

as follows: Class "A." 3 cents; class "B." 3½ cents; class "C." 4 cents, and for children 12 years of age or under, one-half the rate above prescribed; a charge of ten cents may be added to the fare of any passenger, when the same is paid upon the cars, if a ticket might have been purchased within a reasonable time before the departure of the train.

SEC. 2078. The executive council shall at its regular meeting on the second Monday in July in each year classify the different railways, as provided by section two thousand and seventy-six (2076) of the code, from information as to gross earnings obtained from the annual reports of railways made to the executive council for assessment and taxation, if it shall be satisfied of the correctness of same, or from information obtained by said executive council from any other source, and, when there shall be any change in classification, shall issue a certificate to any corporation or corporations affected by such change, certifying the class to which they are respectively assigned; any change of rates by any corporation pursuant to any change of classification shall take effect and be in force from and after the date of such certificate.

TWELFTH REPORT

OF THE

Bureau of Labor Statistics

FOR THE

STATE OF IOWA

Under Act of the Thirty-first General Assembly

FOR THE YEAR 1905

EDWARD D. BRIGHAM, COMMISSIONER



DES MOINES
EMORY H. ENGLISH, STATE PRINTER
1907

LETTER OF TRANSMITTAL.

STATE OF IOWA,
OFFICE OF COMMISSIONER OF LABOR STATISTICS, }
October 1, 1906. }

HON. ALBERT B. CUMMINS, *Governor of Iowa:*

SIR,—In compliance with Section 2, Chapter 102, acts of the
Thirty-first General Assembly, I have the honor to present for
your consideration the twelfth report of this department.

Very respectfully,

EDWARD D. BRIGHAM, *Commissioner.*

DEPARTMENT OFFICIALS AND ASSISTANTS.

1906.

EDWARD D. BRIGHAM	<i>Commissioner</i>
* ALFRED SHEPHERD	<i>Deputy Commissioner</i>
FRANK BRADLEY	<i>Factory Inspector</i>
ARTHUR R. COREY	<i>Clerk</i>

ACKNOWLEDGMENTS.

The continued co-operation and good will of the various monthly, weekly and daily publications sent this department is gratefully acknowledged.

FACTORY INSPECTION.

During the year which has elapsed since the compilation of the eleventh report, factory inspection work has been carried on as outlined, and shown in tables of report mentioned, but with a broadening of scope and a reaching out after things not before included.

Factory inspection work to be successful must be progressive and it has been and is still my policy to gradually bring up to a desirable standard the conditions surrounding the employment of labor in this State. To this end we occasionally meet or communicate with inspectors of other states, whose laws are similar to our own, and by comparison of methods used and success attained, we can adopt and carry out a policy which will bring the greatest amount of good with the means at our disposal.

I again call attention to the need of a provision of law fixing a penalty for the removal of any safeguard to dangerous machinery by unauthorized persons, after machinery has been thus equipped. This practice has become so general that it seriously interferes with the work of this department and causes unnecessary expense to both employers and the State.

The child labor law which went into effect July 4, 1906, has added new duties to those already required of the limited field force of the department, nevertheless, the work has been undertaken, and as many establishments as could be reached within the limited time have been visited; the result is a material reduction in the number of children of school age that are employed in factories and stores. Numerous inquiries have been made as to the operation of the new law, and while this report covers in a general way the work of the department for the year 1905 only, I have deemed it advisable to show the results of the work done up to and including the four months which have elapsed since the law went into effect. Quite a number of employers who were employing children under four-

teen, dismissed them as soon as the law went into effect; thus far the law was self-enforcing, but others had failed to comply, pleading ignorance of the law's requirements, even though thousands of copies had been sent out from this office. So far no prosecutions have been necessary because every employer found in any manner operating in violation of the law, in the matter of posted lists, or actually employing children who were within the prohibited age, gave every evidence of their desire to obey the law and immediately made full compliance.

During the period covered by this report 1,029 establishments, in which 48,444 persons were employed, were inspected in sixty-one counties of the State, in addition to which 176 establishments have received a second visit for the purpose of securing compliance with orders previously issued and in the enforcement of the child labor law. Eight hundred and thirty-seven orders and recommendations were issued during the period, among which were orders for the discharge of sixty-three children under fourteen years of age and for the posting in sixty-five establishments, of lists of children under sixteen years of age. The latter requirement was being complied with in very few establishments, or when checked over was found to be incorrect.

It will be necessary to visit the factories and stores frequently if the law is to be rigidly enforced. Many parents are insistent that their children be given employment and are not required by law to furnish any proofs of age. This burden is placed on the inspector, and as city birth records are in many instances incomplete and many of the children were not born in the cities in which they are employed, proof is difficult and a great deal of time is consumed in investigation. The work of inspection would be greatly facilitated and the law could be more effectively enforced if positive proof of age of children employed was required of parents or guardian.

Table No. 1 gives a list by counties of the 837 orders and recommendations made by inspectors during the period covered by this report, nearly all of which have been complied with. On a few of the orders recently issued the time limit had not yet expired at the date this report was submitted.

All orders for dismissal of children under fourteen, and posting of lists of children under sixteen years of age were complied with immediately and in presence of inspector.

Table No. 2 gives a summary by counties of establishments visited and classification and number of orders and recommendations made in each county, and shows at a glance the varied features of inspection work where undesirable conditions were found and where improvements were made.

CHILD LABOR LAW.

A BILL FOR AN ACT TO REGULATE THE EMPLOYMENT OF CHILD LABOR AND TO PROVIDE FOR THE ENFORCEMENT THEREOF. (ADDITIONAL TO CHAPTER 8, TITLE XII, OF THE CODE.)

Be it Enacted by the General Assembly of the State of Iowa:

SECTION 1. No person under fourteen years of age shall be employed with or without wages or compensation in any mine, manufacturing establishment, factory, mill, shop, laundry, slaughter house or packing house, or in any store or mercantile establishment where more than eight persons are employed, or in the operation of any freight or passenger elevator.

SEC. 2. No person under sixteen years of age shall be employed at any work or occupation by which, by reason of its nature or the place of employment, the health of such person may be injured, or his morals depraved, or at any work in which the handling or use of gunpowder, dynamite or other like explosive is required, and no female under sixteen years of age shall be employed in any capacity where the duties of such employment compel her to remain constantly standing.

SEC. 3. No person under sixteen years of age shall be employed at any of the places or in any of the occupations recited in section 1 hereof before the hour of six o'clock in the morning or after the hour of nine o'clock in the evening, and if such person is employed exceeding five hours of each day, a noon intermission of not less than thirty minutes shall be given between the hours of eleven and one o'clock, and such person shall not be employed more than ten hours in any one day, exclusive of the noon intermission, but the provisions of this section shall not apply to persons employed in husking sheds or other places connected with canning factories where vegetables or grain are prepared for canning, and in which no machinery is operated.

SEC. 4. Every person, firm, or corporation having in its employ, at any of the places or in any of the occupations recited in section one (1) of this act, any persons under sixteen years of age, shall cause to be posted at some conspicuous location at the place of such employment, and where same shall

be accessible to inspection at all times during business hours, a list of the names of such persons, giving after each name, the date of the birth of such person and the date when employed.

SEC. 5. Any parent, guardian or other person, who, having under his control any person under sixteen years of age causes or permits said person to work or be employed in violation of the provisions of this act, or any person making, certifying to, or causing to be made or certified to, any statement, certificate or other paper for the purpose of procuring the employment of any person in violation of the provisions of this act, or who makes, files, executes or delivers any such statement, certificate or other paper containing any false statement for the purpose of procuring the employment of any person in violation of this act, or for the purpose of concealing the violation of this act in such employment, and every person, firm or corporation, or the agent, manager, superintendent or officer of any person, firm or corporation, whether for himself or such person, firm or corporation, either by himself or acting through any agent, foreman, superintendent or manager, who knowingly employs any person or permits any person to be employed in violation of the provisions of this act, or who shall refuse to allow any authorized officer or person to inspect any place of business under the provisions of this act, if demand is made therefor at any time during business hours, or who shall willfully obstruct such officer or person while making such inspection, or who shall fail to keep posted the lists containing the names of persons employed under sixteen years of age, and other information as required by this act, or who shall knowingly insert any false statement in such list, or who violates any other provision of this act, shall be deemed guilty of a misdemeanor, and upon being found guilty thereof, shall be fined not to exceed one hundred dollars or be imprisoned in the county jail not to exceed thirty days.

SEC. 6. It shall be the duty of the Commissioner of the Bureau of Labor Statistics to enforce the provisions of this act, and such commissioner and his deputies, factory inspectors, assistants and other persons authorized by him in writing, state mine inspectors, and county attorneys, mayors, chiefs of police and police officers, acting under their written directions, city and town marshals, sheriffs and their deputies within the territories where they exercise their official functions, and any person having authority therefor in writing from the judge of a court of record within the territory over which such judge has jurisdiction, shall have authority to visit any of the places enumerated in section 1 of this act, and make an inspection thereof to ascertain if any of the provisions of this act are violated or any person unlawfully employed thereat, and such persons shall not be interfered with or prevented from asking questions of any person found at the place being inspected by them with reference to the provisions of this act.

It shall be the duty of the county attorney to investigate all complaints made to him of the violation of this act, and to attend and prosecute at the trial of all cases for its violation upon any information that may be filed within his county.

SEC. 7. All acts and parts of acts in conflict with the provisions of this act are hereby repealed.

FACTORY INSPECTION.

ORDERS AND RECOMMENDATIONS TO EMPLOYERS.

Following is a list, by Counties, of 837 orders and recommendations issued to employers by Factory Inspectors during the period since compilation of the Eleventh Report:

Recommendations Made.

ADAMS COUNTY.

Provide separate water closet for female help.

ALLAMAKEE COUNTY.

Provide suitable water closets for help in office, separate closet for females. Place guard rail on outside of fly wheels of engine.

APPANOOSE COUNTY.

Provide suitable water closet for help at plant.
Guard clutch on south end of main shaft.
Provide separate water closets for male and female help in factory, and properly screen same.

BLACK HAWK COUNTY.

Place guard over one pair of gears on small drill press.
Protect three exposed set screws on shafting.
Place guards on two pairs of gears on punching presses.
Protect one pair of gears on small drill press.
Place shield over projecting end of engine shaft.
Protect one pair of gears on small drill press.
Protect three pairs of gears on small drill presses, guard two exposed set screws.
Protect exposed set screws and one pair of bevel gears in feed mill.
Provide additional hand rails to stairways.
Protect three set screws and one pair of bevel gears in barley mill.
Place red lights at approaches to fire escape.
Place shield on exposed end of shaft on air compressor.
Make repairs on exhaust fan and maintain full speed on same.
Protect one set screw on line shafting and keep closet clean.
Protect one pair of gears on punching machine and one pair on drill press.
Make necessary repairs to water closets and connect same to sewer.
Place guard over knife on hurl-cutting machine.
Guard two pairs of gears on sewing machine.
Place guard to stairway on second floor.
Remove or protect all projecting set screws; protect one pair of gears on fertilizer dryer.
Repair platform to fire escape.
Extend guard railing to engine fly wheel.
Provide hoods and dust blowers to one pair of emery wheels.
Provide guard to one pair of bevel gears on small drill press.
Maintain free access to fire escape on fourth floor.
Remove two projecting set screws on shafting.
Arrange for use of emery wheel in tool room by competent persons only.

Recommendations Made.

BLACK HAWK COUNTY—Continued.

Place guard on jointer; also on one rip saw.
 Repair gates to elevator and maintain same in good condition.
 Provide rubber mat to switchboard; place wooden fence to transformers.
 Protect one set screw on shafting; provide separate closet for use of female employees.
 Place guard on jointer in pattern room; protect all projecting set screws.
 Guard gears on lathe as directed; guard gears on all low drill presses.
 Equip three sets of emery wheels with hoods and dust blowers.
 Protect all projecting set screws in basement.
 Provide suitable and convenient water closet for help in mill.
 Protect all projecting set screws.
 Guard bevel gears on two drill presses.
 Place guard on rip saw in pattern room.
 Guard bevel gears on small drill press.
 Place guard railing around pulley and belt of shearing machine.
 Guard bevel gears on two drill presses.
 Box main driving belt on first floor.
 Place hand rail to stairway and platform near elevator.
 Provide separate water closet for use of female help.
 Protect projecting set screws; place hand rail on stairway to basement.
 Place red lights in halls to designate location of fire escapes.
 Place red lights and signs in halls to designate location of fire escapes.
 Provide separate water closet for female help in bindery department.
 Protect projecting set screws.
 Provide suitable and separate water closet for female help.
 Place red lights in halls to designate location of fire escapes.
 Provide guard to rolling machine.
 Place guard over rip saw; also on jointer.
 Protect projecting set screws or provide safety collars on shafting.
 Post list of children under 16 years of age.
 Place guard over bevel gears on small drill press.
 Post list of children under 16 years of age.
 Post list of children under 16 years of age.
 Discharge one boy under 14 years of age.
 Post list of children under 16 years of age.

BOONE COUNTY.

Place guard railing to engine fly wheel.
 Place railings at stairways to upper floors.
 Provide suitable water closet for use of employees at plant.
 Straighten shaft of large Westinghouse engine.
 Provide rubber mat to floor in front of switchboard.
 Protect or remove all projecting set screws.
 Protect or remove projecting set screws.
 Place guard over saw in woodworking department.
 Place guard around fly wheels of air compressor.

BUCHANAN COUNTY.

Place guard railings between belts of both engines.
 Place railing around pit of condenser pump.
 Reinforce guard railing along main driving belt.

CARROLL COUNTY.

Provide suitable water closets for use of employees, including separate closet for females.
 Place guard railing around engine fly wheel.
 Guard exposed gearing.
 Place red lights to indicate location of fire escape.

Recommendations Made.

CERRO GORDO COUNTY.

Provide new rubber mat to switchboard.
 Place additional guard railings to fly wheels on two Corliss engines.
 Protect four sets of exposed gears.
 Protect two sets of exposed gears and three set screws.
 Provide guard railings to two engine fly wheels.
 Protect one set of gears and three exposed set screws.
 Protect two pairs of exposed gears and one set screw.
 Make necessary repairs to closet in yard and keep same in clean condition.
 Place guard on jointer and on one rip saw.
 Place guard on jointer and on one rip saw.
 Place guard on hand saw and over gears on two small drill presses.
 Provide guard railings to elevator shaft.
 Repair back stairway and put same in safe condition.
 Repair floor at east end of building.
 Place hand bars to elevator on each floor.
 Protect all projecting set screws throughout the buildings.
 Protect two pairs of exposed gears.
 Place red lights at approaches to fire escapes on each floor.
 Provide ladder at west end of building as means of egress in case of fire.

CHICKASAW COUNTY.

Place feed guard on mangle to protect operator.
 Place guard rail on north side of belt and pulley of south dynamo.
 Place guard rail on exposed portions of engine fly wheel.
 Provide red lights to indicate location of fire escapes.

CLAYTON COUNTY.

Place guard railing around engine fly wheel.
 Place guard railing around engine belt pulley and fly wheel.
 Protect exposed set screws on shafting in basement.
 Place red lights to indicate location of fire escapes.

CLINTON COUNTY.

Provide efficient drainage to cellar in hotel building; present condition unhealthy.
 Protect or remove all projecting set screws.
 Place guards on two cross-cut saws.
 Comply with law governing employment of children under 16 on dangerous machinery.
 Place guard railings around exposed pulleys running feeders.
 Protect exposed pulleys on Jordan machine.
 Place guard on jointer.
 Provide guard railing to new engine fly wheel.
 Protect gearing on large lathe.
 Protect gear on rotary shears.
 Place hood and smoke pipe over forge in blacksmith shop.
 Protect all projecting set screws.
 Protect or remove all projecting set screws.
 Provide separate water closet for use of female help.
 Place hand railings to stairway to second floor; also to basement.
 Protect or remove all projecting set screws.
 Place guard railings along side of engine fly wheel.
 Place additional stairway fire escape on north end of east wing of hotel.
 Discharge three boys under 14; post list of children under 16.

DALLAS COUNTY.

Remove or cover all projecting set screws.
 Protect by guard rail exposed gearing in the mill.

Recommendations Made.

DELAWARE COUNTY.

Replace feed guard on mangle and keep in constant use.
Place red lights in halls to indicate location of fire escapes.

DES MOINES COUNTY.

Remove or cover all projecting set screws.
Place hand railings to stairway leading to basement.
Remove or cover all projecting set screws.
Place guard over gearing on steam kettle.
Place guard railing to engine fly wheel.
Provide guard over one rip saw.
Provide loose pulley and belt shifter to one rip saw.
Protect all projecting set screws on shafting.
Provide additional guard railing to engine fly wheel.
Arrange hand rails to elevator to work automatically.
Put guard rail on fly wheel of engine.
Guard elevator opening in basement.
Provide guard railing to engine fly wheel.
Protect one pair of gears on engine; protect all projecting set screws.
Protect all projecting set screws in factory.
Place guards on two jointers and on three rip saws.
Provide additional guard railing to engine fly wheel.
Provide safety collars on line shafting.
Provide hand rails to elevator on second and third floors and fence up unused sides.
Protect all projecting set screws on shafting.
Keep gates to elevator in working order.
Remove or cover all projecting set screws.
Protect two projecting set screws on shafting.
Protect all projecting set screws and projecting bolts on shafting.
Cover projecting set screws on engine shaft.
Provide water closet for female help with separate approach.
Abolish open sewer connection in basement.
Remove or cover all projecting set screws.
Provide automatic gate to elevator on third floor.
Provide separate water closet for use of female help.
Place hand railing on stairway to basement.
Provide dasher guard to crank of engine.
Provide separate water closet for female help.
Remove or cover all projecting set screws.

DUBUQUE COUNTY.

Provide guard railing to engine fly wheel; protect projecting set screws.
Discharge one boy under 14; post list of children under 16.
Provide automatic gates to elevator at third floor.
Repair hand bars to elevator, second floor.
Provide separate water closets for both male and female help.
Protect two projecting set screws on line shafting.
Post list of boys under 18.
Discharge two boys under 14.
Provide guards to gears on small drill presses.
Connect emery wheels and buffers to suction fan system where not already connected.
Provide guard to jointer.
Discharge two girls under 14; post list of children under 16.
Post list of children under 16.
Discharge one boy under 14; post list of children under 16.
Post list of children under 16.
Post list of children under 16.
Repair plumbing work in men's toilet room on second floor.
Post list of children under 16.

Recommendations Made.

DUBUQUE COUNTY—Continued.

Protect all projecting set screws on line shafting.
Provide belt shifters to two machines not thus equipped.
Post list of children under 16.
Post list of children under 16.
Post list of children under 16.
Dismiss one girl under 14.
Post list of children under 16.
Post list of children under 16.
Guard unprotected end of engine fly wheel; clean out men's water closet.
Post list of children under 16.
Guard bevel gears on two small drill presses.
Post list of children under 16.
Post list of children under 16.
Guard bevel gears on small drill presses.
Place automatic gates on elevator, top floor.
Guard pulley on cut-off saw; protect all projecting set screws.
Discharge one boy under 14 years of age.
Post list of children under 16.
Discharge two boys under 14; post list of twenty-nine boys under 16.

FAYETTE COUNTY.

Place red lights in halls to indicate location of fire escapes.
Provide guard railings at exposed portions of engine fly wheel.
Place red lights to show location of fire escapes.

FLOYD COUNTY.

Place guard railing on south side pulley on large dynamo.
Provide suitable water closet for use of employees at plant.

FREMONT COUNTY.

Place guard railing around fly wheel of engine.
Place guard rail on stairway and around openings.
Place guard rail to exposed portions of engine fly wheel.

GREENE COUNTY.

Protect sprocket gearing; also several set screws.
Place guard railing around engine fly wheel.
Place red lights in halls to indicate location of fire escapes.

GUTHRIE COUNTY.

Place guard rail around crank end of engine.

HAMILTON COUNTY.

Place guard over bevel gears on the two small drill presses.
Place guard on exposed side of main driving belt; protect projecting set screws.
Protect or remove set screws on line shafting.
Provide suitable water closet for use of employees.
Place guard railing along both sides of main driving belt.
Place red lights in halls to designate location of fire escapes.

HARRISON COUNTY.

Place new step in stairway to second floor.
Provide railing to two rope drives on trolley floor.
Clean out and repair closet in yard.
Protect one pair of exposed gears on punching machine in boiler shop.
Place guard railing along exposed side of engine fly wheel and belt.
Provide rubber mat in front of switchboard.

Recommendations Made.

HENRY COUNTY.

Protect all projecting set screws on shafting.

HUMBOLDT COUNTY.

Place guard railing around engine fly wheel.
Place guard over clutch pulley on main line shaft.
Protect all projecting set screws.
Protect shafts, belts and gearing on water wheel drive, making safe passage over same.

JACKSON COUNTY.

Place additional rail to guard railing now around engine fly wheel.
Protect all exposed set screws on line shafting.
Place guard railing on exposed end of ice machine.
Protect all exposed set screws.

JEFFERSON COUNTY.

Place guard railing around fly wheels on both engines.
Place additional guard railing on exposed side of engine fly wheel.

JOHNSON COUNTY.

Provide water closet for male help.
Place guard rail on exposed portion of engine fly wheel.
Place guards on two jointers.
Maintain gates or bars on elevator shafts.
Protect all projecting set screws and coupling bolts.
Place guard railing around fly wheel of ice machine.
Place guard rail around rice pit.
Complete water closet for use of men and put same in service.
Protect or remove all projecting set screws on line shaft in basement.
Provide separate water closet for female help.
Provide separate water closet for the use of female employees.
Discharge two boys under 14 years of age; post list of children under 16.
Place additional railing on exposed side of engine fly wheel.

JONES COUNTY.

Place guards on two jointers.
Protect or remove projecting set screws.
Place hand railings on two stairways not thus equipped.
Place guard railing or casing on fly wheel of punching machine.
Equip one emery wheel with hood and dust blower.
Place guard to belt on elevator engine.
Provide hand railing to stairway leading to basement.
Provide suitable water closets for both male and female help.
Place red lights in halls to indicate location of fire escapes.

KOSSUTH COUNTY.

Provide belt shifters to machines in east room; protect four projecting set screws.
Place red lights at approaches to fire escapes on second and third floors.
Place red lights at approaches to fire escapes on second and third floors.
Place additional guard railing to fly wheel of Corliss engine.
Place rubber mat full length of switchboard.
Discontinue use of door near switchboard.

LEE COUNTY.

Protect exposed bolts on shaft couplings and projecting set screws.
Place screen in front of water closet.
Place guard railing around fly wheel of compound engine; also around crank.
Provide safety feed guard to mangle.

Recommendations Made.

LEE COUNTY—Continued.

Furnish convenient water closets for help in laundry.
Guard one set of overhead gearing; place hand rail on stairway.
Remove or cover all projecting set screws.
Place additional guard rails around fly wheel of engines.
Provide cover for hole in upper floor.
Guard gearing to drying rolls.
Remove or protect projecting set screws.
Construct proper fire escape and maintain same on hotel building.
Remove or cover all projecting set screws in different departments.
Keep elevator in working order.
Guard exposed portion of engine fly wheel; protect all set screws.
Protect all projecting set screws.
Place feed guard on large mangle.
Remove or cover projecting set screws.
Place feed guard on large mangle.
Provide guard for jointer in repair shop.
Place guard railing around fly wheel of engine; protect projecting set screws.
Provide bars to protect elevator shaft; protect projecting set screws.
Post list of children under 16 years of age.
Post list of children under 16 years of age.
Discharge four boys under 14 years of age.
Discharge one boy under 14 years of age.
Post list of children under 16 years of age.
Post list of children under 16 years of age.
Post list of children under 16 years of age.
Replace guard taken off mangle and keep same in constant use.

LINN COUNTY

Provide insulating mat full length of switchboard.
Provide guard railing to fly wheel of pumping engine.
Provide water closet for use of employees.
Provide guard to crank of engine.
Box in exposed end of engine shaft; protect four projecting set screws.
Place automatic guard to jointer.
Place guard over gears on small drill press.
Provide hand railing to elevator on second floor of bottling department.
Provide automatic gate to elevator in cupola room.
Clear out closet and remove obstruction in same.
Box in tumbling barrels to collect dust; protect four projecting set screws.
Provide more satisfactory springs to guards on jointers.
Provide belt shifter to emery wheels.
Guard gears on one drill press.
Place shield over lower wheel on hand saw.
Provide hoods and dust blowers to buffing wheels in polishing room.
Place guard railing to fly wheel of air compressor.
Protect one pair of gears on bolt-cutter.
Guard two exposed fly wheels in boiler shop.
Place guards on cross-cut saw and jointer.
Provide light in men's water closet.
Provide ventilator to water closet in bakery.
Protect one pair of bevel gears on drill press.
Provide guard to jointer and to one rip saw.
Provide hoods and dust blowers to sanding machines.
Protect rollers under drying machines; place guard over rip saw.
Protect all projecting set screws.
Place additional guard railing around engine fly wheel; protect set screws.
Replace and maintain guard on collar and cuff mangle.
Keep guards in constant use on saws and jointers.
Place guard railing at exposed end of engine fly wheel.
Put gates to elevator in good working order.
Provide water closet for male help.

Recommendations Made.

LINN COUNTY—Continued.

Keep closet for females separate.
 Place guard rail around engine fly wheel; protect projecting set screws.
 Provide guard rail for collar mangle.
 Set apart water closet for use of females only.
 Place guard railing around fly wheel of large engine.
 Provide suitable water closet for use of men in killing department.
 Comply with law governing employment of children under 14 years of age.
 Place red lights in halls designating location of fire escapes.
 Place red lights in halls designating location of fire escapes.

LUCAS COUNTY.

Place guard around pulley of electric motor; protect set screws.
 Place guard around engine fly wheel; guard pulley on main shaft.
 Protect couplings on main shaft.
 Place hand railing to stairway; remove or cover projecting set screws.
 Provide automatic gate to elevator.
 Guard fly wheels of gasoline engine.

LYON COUNTY.

Place feed guard on large mangle.
 Remove or cover projecting set screws on line shaft.

MAHASKA COUNTY.

Provide separate water closet for use of female help.
 Protect all projecting bolts and set screws on main shaft.
 Place feed guard on mangle; also protect pulley on same.
 Place guard railing around engine fly wheel.

MARION COUNTY.

Place bars on elevator opening at second floor.
 Place guard railing on stairway.
 Protect couplings and set screws on line shafting.
 Place guards over gears on two drill presses; also guard on jointer.

MARSHALL COUNTY.

Place guard railing around engine fly wheel; protect all projecting set screws.
 Box in end of bench shaft; repair hole in first floor.
 Repair machinery to elevator and provide new cable to same.
 Protect one pair of gears in boiler shop; protect three projecting set screws.
 Repair hood to tumbling barrel in foundry.
 Provide guard railing to engine fly wheel.
 Repair dust blowing outfit to emery wheels; protect projecting set screws.
 Protect all exposed gears and set screws in boiler shop.
 Protect all exposed set screws in machine shop.
 Place guard railing to engine fly wheel in woodworking shop.
 Provide new closet for machinery department, and obviate necessity of crossing tracks to reach same.
 Provide automatic gates to elevator.
 Provide closet for use of employees and maintain same in good condition.
 Place red lights at ends of halls indicating location of fire escapes.
 Replace guards taken off woodworking machines.
 Protect all projecting set screws and coupling bolts.
 Equip three sets of emery wheels with hoods and dust blowers.
 Guard gearing on two punching machines.
 Guard fly wheels of stamping machines.
 Place hand rail to stairway to second floor; protect all projecting set screws.
 Equip emery wheel in north room with hood and dust blower.
 Provide exhaust fan equipment to carry off dust from emery belts.
 Place hand railing to stairway, second floor; protect all projecting set screws.

Recommendations Made.

MARSHALL COUNTY—Continued.

Provide hoods and dust blowers for emery wheels in grinding room.
 Box in tumbling barrels and apply suction fan to carry off dust.
 Place guard on gearing of large lathe in machine shop.
 Guard gearing of punching machine in blacksmith shop.
 Protect couplings on line shaft; also exposed set screws on same.
 Place guard around engine fly wheel; protect projecting set screws.
 Place guard around crank end of small engine.
 Protect with guard railings exposed portions of two engine fly wheels.
 Set out from wall two fire ladders on main building as directed.
 Protect all projecting set screws.
 Place red lights in halls to indicate location of fire escapes.
 Provide guard railing to engine fly wheel.
 Place hand railing around opening in floor.
 Box in tumbling barrels and apply suction fan to carry off dust.
 Equip emery wheels with hoods and dust blowers.
 Post list of children under 16 years of age.

MILLS COUNTY.

Place guard railing around engine fly wheel; also at crank end of engine.
 Construct platform over main belt for passage over same.
 Place guard around belt end of dynamo.
 Erect fire escape on hotel.

MITCHELL COUNTY.

Place red lights in halls to designate location of fire escapes.

MONROE COUNTY.

Place guard railing along exposed sides of large belt wheel on engine.
 Lower the feed guard on mangle.
 Cover projecting key on engine shaft.

MONTGOMERY COUNTY.

Remove idler to large belt and place platform or floor to protect belt.
 Provide pipe railing along side of belt of large generator.
 Place guard railing on exposed side of engine rod.
 Protect all projecting set screws.
 Place guard to protect belt in wash room.
 Place hand railing to stairway leading to basement.
 Place hand railing to stairway, second floor.
 Provide hand bars to guard elevator shaft.
 Place hand rails on stairways to basement and upper floors.
 Protect bevel gears in basement of mill; also in basement of elevator.
 Guard gears on plate rolling machine.
 Guard bevel gears on drilling machine.

MUSCATINE COUNTY.

Provide loose pulley and belt shifter to rip saw on second floor.
 Box in counter-shaft to rip saw.
 Dismiss one boy under 14 years of age.
 Provide separate water closet for use of female employees.
 Keep gates to elevator closed when elevator is not in use, or provide automatic gates to same.
 Protect one coupling on line shafting, and all projecting set screws on same.
 Make improved connection from suction fan to emery wheels; protect projecting set screws.
 Set apart water closet for use of female employees.
 Place guard rail on east end of engine fly wheel.

Recommendations Made.

MUSCATINE COUNTY—Continued.

Comply with law governing employment of children under 16 years of age.
Provide safety collars on shafting throughout mill and elevator where not thus equipped.

Remove or cover projecting ends of bolts in couplings.

Provide suitable water closets for use of men at mill.

Provide separate water closet for use of female help and screen same.

Place hand railing to stairway leading to basement.

Protect exposed coupling in engine room; also exposed set screws in main room.

Place safety gates on elevator.

Discharge ten boys under 14 years of age; post list of boys under 16.

Discharge two boys under 14 years of age; post list of boys under 16.

Post list of children under 16.

Discharge three boys under 14 years of age; post list of boys under 16.

Post list of children under 16.

Post list of children under 16.

Repair seat in men's water closet; protect all projecting set screws.

Discharge one girl under 14; post list of children under 16.

Comply with law regarding employment of children on dangerous machinery.

Discharge two boys under 14 years of age; post list of children under 16.

Protect one set of gears on tomato washing machine.

Discharge one boy under 14 years of age; post list of children under 16.

O'BRIEN COUNTY.

Provide separate water closets for use of female help.

Cover one coupling on line shaft.

Make proper drainage connection from hotel to sewer and maintain same.

PAGE COUNTY.

Place guard railing around fly wheel of direct connected engine and dynamo.

Box in small gears in basement of mill.

Protect elevator in north building with safety gates.

Place guard railing around engine fly wheel and extend it to protect connecting rod.

Place safety gates to elevator and fence up unused sides.

Place red lights in halls to indicate location of fire escapes.

Provide hoods and dust blowers to two sets of emery wheels.

Guard bevel gears on drill press in woodworking department.

Guard bevel gears on small drill press in blacksmith shop.

PLYMOUTH COUNTY.

Place bars to protect elevator shaft on second floor.

Provide separate water closet for use of female help.

POLK COUNTY.

Protect one pair of gears on fertilizer dryer.

Place hand rail to west side of elevator.

Repair guard to trimming saw.

Place hand rail to north stairway; protect two projecting set screws.

Place guards over exposed end of main driving shaft.

Place guards over bevel gears on two small drill presses.

Place guard over gears on tumbling mill.

Place belt on suction fan and keep in constant use.

Provide loose pulley and belt shifter on dry mill; protect three projecting set screws.

Provide loose pulley and belt shifter to emery wheels in machine shop.

Protect two pairs of gears on small drill presses.

Recommendations Made.

POLK COUNTY—Continued.

Place guard railing around fly wheel of gas engine.

Make repairs to closet in yard.

Protect one pair of gears on small drill press.

Provide clean and efficient water closet for use of employees.

Provide additional guard railing to power engine fly wheel.

Change throttle and starting ratchet to operate from outside on air compressor.

Place guard railing to fly wheels of air compressor.

Provide new bowl to men's water closet.

Post list of children under 16 years of age.

Place hoods on emery wheels, connect same to suction fan and maintain equipment.

Post list of children under 16 years of age.

Protect two projecting set screws on shafting; place hand railing to stairway, second floor.

Post list of children under 16; protect all projecting set screws on shafting.

Post list of children under 16.

Discharge three boys under 14; post list of children under 16; protect set screws.

Provide water connections to closets in blacksmith shop so they will flush properly.

Provide loose pulley to emery wheel in blacksmith shop; provide belt shifter to sanding machine.

Place guard over bevel gears on small drill press.

Make necessary repairs to tank in men's water closet.

Discharge one boy under 14; post list of children under 16.

Post list of children under 16.

Discharge one girl under 14; maintain complete list of children under 16.

Discharge three children under 14; post list of children under 16.

Provide guard railing or fence to protect pulley and key on shaft of air compressor.

Provide guard to gears on power shafts.

Place guard on gears of punching machine.

Protect fly wheel and pulley of engine.

Provide water closet for male help in main building of laundry.

Provide water closet for men in department across street.

Keep water closets provided for females for their exclusive use.

Guard floor pulley and belt of large machine.

Remove or protect all projecting set screws.

Equip elevator with automatic gates; post list of children under 16.

Post list of children under 16.

Discharge one boy under 14; post list of children under 16.

Post list of children under 16.

Post list of children under 16.

Discharge one boy under 14; post list of children under 16.

Discharge two children under 14; post list of children under 16.

Place guard railing between belts on large press in basement.

Post list of children under 16.

Post list of children under 16.

Post list of children under 16.

Post list of children under 16.

POTTAWATTAMIE COUNTY.

Place guard over bevel gears on small drill press.

Protect or remove all projecting set screws.

Guard bevel gears on three small drilling machines.

Protect all projecting set screws.

Put elevator gates in good working condition.

Place guard on roller of sizing machine.

Recommendations Made.

POTTAWATTAMIE COUNTY—Continued.

Guard gears of revolving coating pan.
Place red lights in halls to designate location of fire escapes.
Place red lights in halls to designate location of fire escapes.
Place red lights in halls to designate location of fire escapes.
Place red lights in halls to designate location of fire escapes.
Provide separate water closet for use of female help; protect projecting set screws.

POWESIEK COUNTY.

Protect or remove all projecting set screws on main shaft and in tumbling barrel room.
Place hand rails to stairway to second floor.
Place hand rails around opening and along stairway to second floor.
Place guard on rip saw.
Provide hand rails to stairway leading to second floor.
Place guard rail between engine fly wheel and vat.
Protect or remove all projecting set screws.
Keep water closet provided for females for their exclusive use.
Provide separate water closet for use of female employees.

SCOTT COUNTY.

Protect all projecting set screws and five shaft couplings in basement.
Provide belt shifters to machines in repair shop.
Cover keyway on shafting, top floor.
Place guard over gears on third floor.
Place hand railing to stairway, third floor.
Guard gears on punching machine and fence in fly wheel to same.
Provide separate water closet for female employees with separate approach.
Clean out and properly drain water closet and urinal.
Protect one pair of gears on power punching machine.
Provide guard railing to fly wheel of engine.
Protect several set screws yet unguarded.
Provide additional hand rails to stairways.
Box in exposed end of shaft in basement.
Protect bevel gears on two drill presses.
Place guard to fly wheel of punching machine; remove one projecting set screw.
Place spring to guard on jointer.
Provide guards to bevel gears on two drill presses.
Guard gears on bulldozing machine.
Place guard railing to fly wheel on large Corliss engine.
Provide automatic guard to jointer.
Provide hoods to tumbling barrels in foundry.
Repair connection from water closet to sewer.
Protect all bevel gears to drill presses; also gears on power punching machines.
Repair seat to men's water closet.
Repair bar to elevator on third floor.
Provide and maintain red lamps at each approach to fire escapes.
Repair leaky drainage from sink in kitchen.
Provide automatic gates to elevator.
Provide red lights at each approach to fire escapes.
Place additional guard railing to fly wheel of engine.
Place guard on jointer and on rip saw.
Provide room for passage between dynamo and engine.
Provide guard railing to connecting rod of engine.
Remove projecting set screws on counter shaft to dynamo.
Equip all machines with loose pulleys and belt shifters or clutches.
Protect exposed portions of line shaft as regards open keyways.

Recommendations Made.

SCOTT COUNTY—Continued.

Make repairs to elevator gates; provide fire ladder from fourth floor.
Set apart water closet for use of female help.
Protect or remove all projecting set screws.
Place safety guards on two jointers, also on two rip saws.
Enlarge passage way by engine crank.
Protect exposed side of engine fly wheel.
Place additional guard railing on exposed side of engine fly wheel.
Place safety guards on two jointers and on two rip saws.
Guard drive belt on first floor; keep men's closet clean.
Make connection with sewer for sanitary drainage.
Place safety guards on one shaper and on one rip saw.
Protect double cross cut saws as directed.
Provide emery wheels with hoods and dust blowers.
Place automatic gates on elevator.
Place additional guard railings on exposed fly wheel of engine.
Place guard railing on fly wheels of dynamo engine.
Place red lights in halls to indicate location of fire escapes.
Provide guard railing around fly wheel of engine in planing mill.
Place guard railing on exposed ends of fly wheels on ice machine.
Remove or protect all projecting set screws on shafting.
Protect exposed sides of engine fly wheel.
Protect two set screws and one coupling in west room; also set screws on second floor.
Place hand railings on stairway leading to third floor.
Arrange doors to upper floors to swing outward.
Keep red lights burning at night at approaches to fire escapes.
Provide separate water closet for use of female employees.
Place handrail at stairway entrance.
Place hand railing on south side of engine fly wheel.
Discharge two children under 14 years of age.
Post list of children under 16 years of age.
Discharge one girl under 14 years of age.
Post list of children under 16 years of age.
Post list of children under 16 years of age.

SHELBY COUNTY.

Provide guards to gears on small drilling machines.
Provide suitable water closets, including separate water closets for females.
Guard gears on small drill presses.

SIOUX COUNTY.

Repair urinal to gents' closet in yard.
Place guard on mangle in laundry.
Provide stairway fire escape from third floor to ground.
Provide ladder fire escape from fourth floor to ground.
Guard one pair of gears on fourth floor; protect all projecting set screws.

TAMA COUNTY.

Protect set screws and bolts in couplings in laundry.
Protect large belt pulley near ground.

UNION COUNTY.

Guard exposed places on engine fly wheel.
Place guard in front of rollers on mangle.
Provide separate water closet for female help; protect projecting set screws.
Place red lights in halls to indicate location of fire escapes.
Place additional guard railing on exposed side of engine fly wheel.

Recommendations Made.
VAN BUREN COUNTY.

Guard exposed ends of engine fly wheel.
Place hand railing on stairway to garment factory; protect projecting set screws.
Place hand rail on sides of stairway leading to tailor shop.

WAPELLO COUNTY.

Box in tumbling barrels for purpose of collecting dust.
Guard fly wheel of gasoline engine; protect projecting set screws.
Provide separate water closet for use of female help, keep same in good condition.
Remove or cover all projecting set screws.
Place guard railing on exposed sides of engine fly wheel.
Box in shafting and pulleys in basement; cover projecting set screws.
Discharge boys under 14 years of age; remove or cover projecting set screws.
Replace railing guarding belt which was found removed.
Discharge boys under 14 years of age; protect projecting set screws.

WEBSTER COUNTY.

Provide loose pulley and belt shifter to one shaving machine.
Place guard railing to engine fly wheel.
Provide new closet for use of employees.
Provide safety collars in place of exposed set screw collars.
Protect one pair of gears on hoisting drum.
Protect main driving belt, also belt on brick machine.
Place hand railing to stairway to second floor; protect all projecting set screws.
Repair closet in yard and put same in good condition.
Place guard over one pair of gears on small drill press.
Clean out closet in yard.
Place safety collars on shafting in place of projecting set screw collars.
Place guard on jointer; clean out closet in yard.
Place guard over gears on small drill press.
Set apart water closet for exclusive use of female employees.
Provide safety collars in place of exposed set screw collars on shafting.
Provide automatic gates to elevator.
Place guard railing to engine fly wheel.
Place signs and red lights at approaches to fire escapes.
Place guard on mangle in laundry if same is operated.
Place signs and red lights at each approach to fire escapes.

WINNESHIEK COUNTY.

Protect crank end of engine connecting rod.
Protect clamp on shaft of same.
Protect all projecting set screws.
Place guard railing between belts of two dynamos from pulleys to engines.
Provide separate water closet for use of female help in laundry.
Place red lights in halls to designate location of fire escapes.

WOODBURY COUNTY.

Protect one pair of gears on punching machine.
Protect one exposed coupling on line shaft.
Provide guard railing to fly wheel of engine.
Place guards on three jointers and on two rip saws.
Provide separate closet for use of female employees.
Extend guard railing to engine fly wheel.
Post list of children under 16 years of age.
Provide loose pulley and belt shifter to counter shaft in glue room.
Provide automatic gates to elevator where not thus equipped.

Recommendations Made.
WOODBURY COUNTY—Continued.

Discharge one boy under 14 years of age; post list of children under 16.
Provide guard railing to engine fly wheel.
Provide improved runways to clay screen.
Remove or cover projecting set screws.
Protect one pair of gears on brick machine, also one set screw.
Clean out closet in yard; protect two set screws on brick machine.
Provide separate water closet for female help.
Place hand rail to stairway to second floor; protect projecting set screws.
Protect one pair of gears on brick machine.
Provide guard rail to engine fly wheel.
Repair smoke jacks to round house so they will carry off smoke.
Place guard on jointer.
Connect urinal in blacksmith shop to sewer or abolish same.
Make doors to engine house tight as possible so as to exclude cold.
Remove or cover all projecting set screws.
Place extra bars on elevator opening on fourth floor.
Place additional guard railing to engine fly wheel.
Provide support to oil dasher to engine crank.
Provide hand railing to stairway on first floor.
Protect all projecting set screws and bolts on line shafting.
Repair flooring in woodworking shop and put same in safe condition.
Place guard on jointer; provide splitter on rip saw.
Provide guard to band saw; protect projecting set screws on shafting.
Discharge one boy under 14; post list of children under 16.
Place guard on jointer, also on rip saw.
Discharge one girl under 14; post list of children under 16.
Provide guard railing to fly wheel on ice machine engine.
Provide cap to hub of fly wheel on power engine.
Protect all projecting set screws and bolts on line shafting.
Place guard on jointer and on gro rip saw.
Place guard on jointer and on one rip saw.
Provide automatic gates to elevator.
Comply with law governing employment of children under 14 years of age.
Comply with law governing employment of children under 14 years of age.
Repair water closet so it will flush properly.
Comply with law governing employment of children under 14 years of age.
Provide closet for use of employees; protect set screws.
Provide guard rails to elevator openings.
Clean out and screen closet provided for female help.
Provide guard railings to fly wheels of two engines.
Place guard on dough brake.
Place guard on dough brake; place guard to gears on mixer.
Discharge one boy and one girl under 14; post list of children under 16.
Discharge two girls under 14; post list of children under 16.

WRIGHT COUNTY.

Provide water closet for use of employees in plant.

classification of recommendations made to employers.

Number and Classification of Recommendations

County	No of es- tab- lish- ment in- spec- ted	Dust blow- ers on em- ery whis-	Dust col- lectors on tumb- ler bars	Elev- ators safe- ty for	Fire es- cape no- tices to erect	Grds on saws	Grds on join- ters	Insu- lat- ing mats for switch- blbs.	Lo'se pul- leys and belt shift- ers	Ma- chinery oper- at'd by child- ren pro- hib- ited	Ma- chinery oper- at'd by child- ren pro- hib- ited
Adams	2										1
Allamakee	1										1
Appanoose	1										1
Benton	1										1
Black Hawk	7				1	1	3	1			27
Boone	10										2
Buchanan	4										1
Carroll	1										1
Cass	3										1
Cerro Gordo	19			2	1	2	2	1			5
Dickinson	6										3
Clayton	6										3
Clinton	45				1	1	1			1	6
Crawford	1										1
Dallas	1										2
Delaware	3										1
Des Moines	54			5		2	1			1	9
Dubuque	5										1
Payette	7										1
Floyd	10										1
Fremont	3										1
Greene	5										1
Guilford	1							1			2
Hamilton	11										1
Harrison	6										2
Henry	1										1
Humboldt	3										1
Jackson	23										1
Jefferson	8										1
Johnson	21			1			1				1
Jones	7						1				1
Kossuth	1						1				1
Lee	43			1			1				1
Linn	50	2	1	2		4	6	1	1		17
Lucas	2										1
Lyon	2										1
Mahaska	24										4
Mason	1										1
Marshall	31	5	2	2		1	1				18
Mills	1				1						3
Mitchell	1										1
Monroe	3										1
Montgomery	10			1							8
Muscatine	40										8
O'Brien	4								1	2	5
Page	12	1		2							5
Plymouth	1										1
Polk	90	1	2	2		1			4		17
Pottawattamie	33			1							4
Poweshiek	32										3
Scott	83	1	1	4	1	6	5		1		40
Shelby	4										2
Sioux	2					2					2
Tama	9										2
Union	9										2
Van Buren	4										1
Wapello	33		1								4
Wasson	18						1				7
Winnebuck	10										2
Woodbury	81			4		2			1		18

Number and Classification of Recommendations.													
Re- pair and clea- n floors	Set acre was pro- tect or re- move	Sew- ers, ne- ces- sary con- nec- tions	Stair ways addi- tional	Stair ways hand rail- ings to	Un- san- itary ap- pli- ance also ab- olished	Water clo- sets addi- tional	Water- clo- se- sepa- rate for fe- male	Water clo- sets, ele- ven re- pair and va- lu- able	Pla- ce red light in halls of hotels	Dis- charge children under 14 yrs. of age	Post lists of children under 16	Total	Mari- nals of num- bers
..	1	..	..	..	..	1	1
..	1	..	..	..	..	3	3
..	1	..	..	..	..	4	4
..	1	..	..	..	..	3	3
..	1	..	..	..	..	5	5
..	1	..	..	..	..	6	6
..	1	..	..	..	..	7	7
..	1	..	..	..	..	7	8
..	1	..	..	..	..	9	9
..	1	..	..	..	..	10	10
..	1	..	..	..	..	11	11
..	1	..	..	..	..	12	12
..	1	..	..	..	..	13	13
..	1	..	..	..	..	14	14
..	1	..	..	..	..	15	15
..	1	..	..	..	..	16	16
..	1	..	..	..	..	17	17
..	1	..	..	..	..	18	18
..	1	..	..	..	..	19	19
..	1	..	..	..	..	20	20
..	1	..	..	..	..	21	21
..	1	..	..	..	..	22	22
..	1	..	..	..	..	23	23
..	1	..	..	..	..	24	24
..	1	..	..	..	..	25	25
..	1	..	..	..	..	26	26
..	1	..	..	..	..	27	27
..	1	..	..	..	..	28	28
..	1	..	..	..	..	29	29
..	1	..	..	..	..	30	30
..	1	..	..	..	..	31	31
..	1	..	..	..	..	32	32
..	1	..	..	..	..	33	33
..	1	..	..	..	..	34	34
..	1	..	..	..	..	35	35
..	1	..	..	..	..	36	36
..	1	..	..	..	..	37	37
..	1	..	..	..	..	38	38
..	1	..	..	..	..	39	39
..	1	..	..	..	..	40	40
..	1	..	..	..	..	41	41
..	1	..	..	..	..	42	42
..	1	..	..	..	..	43	43
..	1	..	..	..	..	44	44
..	1	..	..	..	..	45	45
..	1	..	..	..	..	46	46
..	1	..	..	..	..	47	47
..	1	..	..	..	..	48	48
..	1	..	..	..	..	49	49
..	1	..	..	..	..	50	50
..	1	..	..	..	..	51	51
..	1	..	..	..	..	52	52
..	1	..	..	..	..	53	53
..	1	..	..	..	..	54	54
..	1	..	..	..	..	55	55
..	1	..	..	..	..	56	56
..	1	..	..	..	..	57	57
..	1	..	..	..	..	58	58
..	1	..	..	..	..	59	59
..	1	..	..	..	..	60	60
..	1	..	..	..	..	61	61
7	122	6	1	35	1	26	40	28	30	39	65	837	

ACCIDENTS.

Following is a list of 11 fatal and 1,384 non-fatal accidents which occurred in Iowa during the year 1905, for which detailed reports were received. The increased number of accidents reported in this over preceding periods is the result of a determined effort to secure reports of accidents occurring in the State. Heretofore only a small portion of accidents actually occurring have been reported to this department, and in maintaining this policy of requiring employers to report accidents occurring in their establishments the number so reported will doubtless increase, and this is necessary if preventive measures are to be devised and carried out.

It may be readily seen that if the law required a report of all fatal and serious non-fatal accidents immediately after their occurrence, it would afford this department opportunity to investigate their cause and provide against their recurrence.

Employers' statistical reports disclosed 278 additional accidents to those enumerated above, to whom we mailed the accident blank requesting detailed reports, but no response was received, and as there was some doubt as to whether the second report was obligatory, no further effort was made in that direction.

FACTORY INSPECTION—FATAL ACCIDENTS.

The following 11 fatal accidents occurred in Iowa during the year 1905:

CLAYTON COUNTY.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
November 5	Laborer	M	Killed by boiler explosion.
November 14	Laborer	M	Killed by boiler explosion.

DES MOINES COUNTY.

August	5	Laborer	M	Jack lever struck him on jaw, killed instantly.
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JEFFERSON COUNTY.

May	1	Laborer	M	While operating power press slipped into gearing and was killed.
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JOHNSON COUNTY.

June	6	Carpenter	M	Fell from scaffold and broke neck.
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LEE COUNTY.

August	28	Laborer	M	Fell from scaffold and was struck by heavy cement block, died from injuries.
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LINN COUNTY.

November 18	Laborer	M	While cleaning coach, engine backed over him and he was killed.
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MARSHALL COUNTY.

January	16	Laborer	M	Fell while carrying casting hanger and same struck him on head, died.
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POTTAWATTAMIE COUNTY.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
May 31	Laborer	M	Overcome by naphtha fumes while drawing naphtha from barrel, died at hospital.

SCOTT COUNTY.

January 18	Shipping clerk	M	Fell down freight elevator shaft and was killed instantly.
October 23	Foreman	M	In trying to replace belt while machinery was in full operation was caught and badly mangled, died.

FACTORY INSPECTION—NON-FATAL ACCIDENTS.

The following 1,384 non-fatal accidents occurred in Iowa during the year 1905:

BLACK HAWK COUNTY.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
May 24	Laborer	M	Fell off a flat car, laid up one week.
August 29	Foreman	M	Pushed into tank of hot water by hoist; both legs scalded.
September 2	Laborer	M	Broke arm dumping basket of corn.
.....	Sewing girl	F	Twenty-two accidents reported to girls running sewing machines, all of a minor character, such as needle passed thru thumb, needle passed thru finger, needle passed thru side of hand, etc.
August 11	Sewing girl	F	Spool standard came down on hand cutting gash in same.
Oct. 13	Sewing girl	F	Fell down stairs, bruised body quite badly.
Oct. 27	Sewing girl	F	Clothing caught in power machinery, muscles badly strained.
Nov. 15	Machine man	M	Finger cut off in circular saw.
Oct. 16	Machine man	M	Two fingers cut off in circular saw.
July 15	Machine man	M	Fell from ladder, laid up six weeks.
.....	Machinist	M	Lost little finger in machine.
December 2	Fireman	M	In opening a clogged hot water pipe was badly scalded about arms.
December 14	Machine hand	M	Lost two middle fingers in a press which he was operating.
.....	Helper	M	Caught in engine wheel, laid off one day.
.....	Machine man	M	Hand caught in shaper, lost three fingers.
.....	Helper	M	Truck run over foot, laid up one week.
.....	Roaster	M	Caught foot in elevator, bruised heel.
.....	Porter	M	On leaving elevator while in motion, had ear cut by contact with gate.
.....	Porter	M	Load of boxes slipped off truck, injuring foot slightly.

BOONE COUNTY.

November 9	Machinist helper ..	M	Caught finger between bar and rail, finger broken.
December 18	Machinist	M	Repairing engine, caught finger, and was obliged to have same amputated.
.....	Shopmen	M	Sixteen minor accidents were reported to have taken place in shops, such as bruises, cuts, sprains, etc. None of a very serious character.

FACTORY INSPECTION—CONTINUED.

BREMER COUNTY.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
.....	Preserver	M	While putting on a belt was thrown about seven feet to the floor, broke bones in forearm.
.....	Foreman	M	Struck by belt thrown from pulley, fell seven feet to floor, laid off one day.

BUCHANAN COUNTY.

September—	Laborer	M	Caught finger in gearing while wiping oil from same.
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CLAYTON COUNTY.

.....	Manager	M	Lever slipped out of hand, striking him in the face, bruised and blackened eye.
.....	Cutter	M	Lever slipped out of hand causing bad bruise and loss of one eye.
.....	Sawyer	M	Hand came in contact with saw, flesh wound, no bones injured.

CLINTON COUNTY.

January 21	Grinder	M	Operating emery wheel, lacerated back of hand.
May 21	Press operator	M	Lost part of finger in press.
July 1	Press operator	M	Lost one joint of finger in press.
August 1	Press operator	M	Bruised thumb of left hand in press.
September 11	Press operator	M	Finger on right hand pierced.
December 15	Press operator	M	Finger on right hand mashed.
January 4	Sawyer	M	Fingers lacerated in saw, no loss or deformity.
January 18	Matcher	M	Finger lacerated, lost nail.
April 6	Sawyer	M	Fingers cut in saw, no loss or deformity.
June 22	Planer	M	Hand cut, no loss of fingers.
August 11	Helper	M	Flesh wound on hand.
October 20	Lumber piler	M	Fell from lumber pile, received scalp wound.
December 3	Matcher	M	Leg lacerated by coming in contact with cog wheels.
.....	Shipping clerk	M	In opening bundle of sheet iron, piece of steel struck him in eye, slight injury.
May 6	Laborer	M	In taking lumber from planer finger was caught between board and wall, idle about two weeks.
March 28	Laborer	M	Attempted to light fire in furnace with naphtha, received slight burns.
May 2	Tacker	M	Cut hand on glass.
July 6	Block sander	M	Injured hand on sander.
July 24	Machine man	M	Caught finger between roller and short panel, slight injury.
.....	.....	M	Injured hand while putting paper on sander.
August 8	Elevator boy	M	In adjusting machine with wrench, slipped and cut gash in hand.
August 12	Door sticker	M	Cut finger in rip saw.
August 15	Sawyer	M	Injured while trying to put on belt.
August 22	Sash sticker	M	Cut finger in jointer, slight injury.
September 9	Jointer	M	Cut finger in tenon machine.
September 12	Door tenoner	M	Cut hand with chisel.
September 16	Carpenter	M	Cut finger off in rip saw.
September 23	Sawyer	M	Lost two fingers in spur feed of moulder.
October 3	Moulder	M	

BUREAU OF LABOR STATISTICS

FACTORY INSPECTION—CONTINUED.

CLINTON COUNTY—Continued.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
December 26	Carting doors	M	Run silver in hand, slight injury.
December 28	Door sander	M	Got silver in hand from door.
December 9	Door sander	M	Door dropped on foot, broke two toes.
.....	Shopmen	M	Eighty-one accidents reported to men in shops, all of a minor character, such as bruises, cuts, sprains, burns, etc. None causing a great loss of time.
April 6	Mangle girl	F	Hand caught in mangle and badly mutilated.
June 5	Lineman	M	Fell from telephone pole, head bruised and wrist sprained.
December 24	Carpenter	M	Fell from scaffold, badly bruised and sprained.

DALLAS COUNTY.

March 29	Foreman	M	While adjusting pressed brick machine that was in motion hand was crushed, fully recovered without loss of fingers.
December 12	Box maker	M	Lost one finger in saw.

DES MOINES COUNTY.

May 12	Blacksmith	M	Sledge hammer bounded back, striking him in face and breaking nose.
May 13	Machinist	M	Hand caught between extension and rod, third finger right hand amputated.
May 15	Machinist's helper..	M	Bronze plate fell on thumb, causing same to be amputated.
June 1	Boilermaker	M	Pipe fell on finger, amputated same.
June 1	Blacksmith	M	Beam fell on finger, amputated index finger.
June 20	Boilermaker helper	M	Struck hand on iron sheet, middle finger left hand, amputated.
October —	Pressman	M	Lost balance and fell into press, arm amputated.
June 6	Boilermaker helper	M	Thumb mashed, amputated same.
September 9	Apprentice	M	Cut hand on piece of brass, thumb of right hand amputated.
September 1	Woodworker	M	Board struck him on hand, thumb left hand amputated.
October 30	Boilermaker helper	M	Bar of iron dropped on head, severe scalp wound.
October 28	Machinist helper...	M	Brake beam fell on finger, first finger left hand broken.
November 11	Apprentice	M	Piece of steel struck foot, second toe of right foot broken.
.....	Shophands	M	Three hundred and thirty minor accidents were reported in shops of the following character: finger bruised, hand bruised, foot bruised, leg cut, eye injured by steel from emery wheel, and numerous accidents of this sort of which some caused a loss of time while others caused a loss of from one to ten days.

FACTORY INSPECTION—CONTINUED.

DUBUQUE COUNTY.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
February 2	Shaper	M	In working on a piece of bent timber hand slipped into shaper lacerating same.
March 3	Mortiser	M	Did not have proper clamp on machine, lacerated finger on right hand.
April 21	Helper	M	Came in contact with key on spindle, slight flesh wound.
March 8	Machine man	M	Came in contact with cutter on gaining machine, flesh wound on second finger.
June 30	Sticker	M	Struck elbow against cutters on sticker receiving flesh wound.
February 15	Cilgarmaker	F	Explosion of coffee pot on stove caused severe burns about the face.
August 2	Trimmer	M	Short circuit on line, hand burned, finger amputated, incapacitated six months, fully recovered.
April 16	Electrical worker..	M	Shocked and burned by live wire, fully recovered.
	Cutter	M	Hand came in contact with knives, slight cut, laid off three days.
November 7	Carpenter	M	While chiseling off nail on decking piece entered eye, lost one eye.
	Shopmen	M	Ninety-four minor accidents were reported to have taken place in shops in Dubuque, of which all were of a minor character, such as bruises, sprains, eyes injured by pieces of metal flying from emery wheels, feet bruised and mashed by castings falling on same and other similar accidents that usually occur around large shops, none of which were serious and caused no great loss of time.

HAMILTON COUNTY.

.....	Die pressman	M	In trying to remove slat from press one finger was caught, badly bruised.
August 15	Carpenter	M	Scaffolding fell, slight injury.
February 10	Carpenter	M	Stepped back and fell thru hole in floor, slight injury.

HENRY COUNTY.

March 22	Woodworker	M	Lost little finger in rip saw.
July —	Moulder	M	Burned by hot iron, slight injury.
July —	Moulder	M	Slight burn from molten iron.

JASPER COUNTY.

July —	Moulder	M	Burned by hot iron, slight injury.
July —	Moulder	M	Slight burn from molten iron.

JOHNSON COUNTY.

July 15	Moulder	M	Spilled iron on one foot, lost three days' time.
September —	Press worker	M	One finger mashed in automatic press.
December —	Laborer	M	Fell off of flat car, sprained wrist.
December —	Machinist	M	Dropped casting on foot, mashed toe.

FACTORY INSPECTION—CONTINUED.

HARRISON COUNTY.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
.....	Pressman	M	In rolling wheels one fell on leg, fractured badly.
August 19	Flus setter	M	Piece flew from steel mallet, right eye put out.
.....	Shopmen	M	Twenty-five minor accidents were reported to have taken place in shops such as bruises, cuts, sprains, etc. None very serious.
April 28	Laborer	M	Slipped on stairs, fractured rib.
December —	Laborer	M	Cut in the head from falling shackle.
June —	Laborer	M	Cow kicked door open striking him in face, lost three teeth.
May 9	Machine man	M	Lumber fell from trestle bruising foot, laid up several days.
July 5	Carpenter	M	Lost middle finger at third joint in jointer.
August 19	Laborer	M	Board thrown from circular saw, chest badly bruised, laid off one day.
September 10	Carpenter	M	Fell six feet, injured spine, laid up six weeks.
October 19	Laborer	M	Pike pole slipped from cake of ice and punctured foot.
.....	Laborer	M	While skimming soap off of water in kettle slipped off box scalding both feet, laid up six weeks.
November 12	Sawyer	M	Cut tip of thumb in rip saw.
December 18	Sawyer	M	Knot jumped out of board while sawing, slight scalp wound.
December 6	Operator	M	While adjusting belt under table, clothing was caught breaking arm.

FLOYD COUNTY.

July 14	Helper	M	Tried to clean out cogs while machine was in operation, flesh wound in hand.
January —	Laundry girl	F	Hand pinched in cuff and collar machine, laid off five weeks.

FREMONT COUNTY.

.....	Laborer	M	Caught in belt, arm broken.
.....	Laborer	M	Scalded while handling hot corn.
.....	Laborer	M	Struck by car door, ribs broken.

JONES COUNTY.

May 23	Feeder	F	Got hand in gearing while cover was off and lost tip of thumb.
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TWELFTH REPORT OF THE
FACTORY INSPECTION—CONTINUED.
LEE COUNTY.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
July 8	Polisher	M	Hand caught on shafting, badly sprained.
January 2	Laborer	M	Slipped and fell, away from work six days.
April 18	Laborer	M	Kicked by delivery horse, lost three days.
April 27	Laborer	M	Fell from roof while repairing same, lost seven days.
June 23	Kegmaker	M	Hand slightly mashed in keg machine.
October 5	Kegmaker	M	Hand cut by keg machine.
October 8	Kegmaker	M	Finger cut by keg machine.
June 1	Laborer	M	Caught finger in mandrel, lost middle finger at second joint.
.....	Helper	M	Hand came in contact with rip saw, lost tips of two fingers.
.....	Helper	M	Removing tailings from rip saw, lost tip of one finger.
July 19	Lathmaker	M	Lath flew back from machine, struck in abdomen, laid up three days.
August 5	Laborer	M	Thrown from saw carriage, laid off one week.
July 10	Laborer	M	Caught sleeve in cog wheels, wound in fleshy part of arm.
September 6	Laborer	M	Caught on set screw while adjusting belt from ladder, lost a few days.
.....	Foreman	M	Came in contact with lighting current, severe shock, recovered completely.
.....	Helper	M	Large casting dropped on foot, toes badly bruised.
.....	Helper	M	Lost all four fingers on rip saw at second joints.
August 7	Porter	M	Assisting with large timbers on jointer in moving guard back finger came in contact with knives, lost tip of middle finger.

LINN COUNTY.

April 28	Ice peddler	M	While moving large stone which was in the way, bar slipped and stone fell on him causing fracture of leg, later it became necessary to amputate same about four inches below the knee.
April 4	Machine man	M	Injured on machine he was operating, not serious.
February 13	Machine man	M	Injured on woodworking machine, slight.
June 23	Machine man	M	Slight injury on woodworking machine.
July 11	Foreman	M	Accidentally injured, slight.
October 19	Machine man	M	Received a slight injury from machine he was operating.
November 1	Blacksmith	M	In pounding some iron piece flew and struck him in fleshy part of thumb.
November 1	Machinist	M	Finger caught while removing some old steam pipes, lost tip of same.
.....	Moulders	M	Five moulders received slight burns from sparks from cupola, no time lost.
December 17	Coremaker	M	Foot burned by spark getting into his shoe, lost eight days.
.....	Cupola man	M	Stood with foot over edge of elevator, foot and ankle bruised and sprained.
.....	Patternmaker	M	Fell from platform at second story, sprained ankle, lost one week.
May 20	Woodworker	M	Lost part of finger in jointer.
June 10	Woodworker	M	Got piece of saw ring in eye.
.....	Miscellaneous	M	One hundred and two minor accidents occurred in shops at Cedar Rapids of the following character: finger smashed, thumb smashed, toe bruised, foot bruised, head bruised, steel dust in eye and other cuts and bruises and sprains that usually occur in large shops. None of which caused a great loss of time.

BUREAU OF LABOR STATISTICS.

FACTORY INSPECTION—CONTINUED.
MADISON COUNTY.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
August 5	Engineer	M	While oiling bevel gears that were in motion jacket was caught, drawing arm in to shoulder, amputated at shoulder.

MAHASKA COUNTY.

.....	Blacksmith	M	Babbitt metal blew up, badly burning face and breast.
.....	Blacksmith	M	Received severe burns from babbitt explosion.
.....	Machinist	M	Arm cut by band saw.
.....	Machinist	M	Finger cut by tool, nearly severed from hand.
.....	Machinist	M	Coal car fell on him, injured slightly internally.
.....	Machinist	M	Hit in the eye by flying metal.
.....	Machinist	M	Cut in arm by band saw.

MARION COUNTY.

June 20	Puncher	M	Got finger under power punch, smashed tip of finger.
July 30	Woodworker	M	Got finger too close to rip saw, lost one finger.

MARSHALL COUNTY.

January 1	Machinist helper ..	M	Working lathe, bar slipped through hands and caught in gearing, arm and hand badly bruised and sprained.
June 12	Machinist helper ..	M	While holding chisel, sledge glanced and hit him on side of head, badly bruised.
August 14	Blacksmith	M	While cleaning out hopper with water received severe scald.
September 6	Blacksmith	M	While loading engine frame caught fleshy part of finger under same.
January 1	Machinist	M	While putting nut on spindle of wheel, arm caught, severely bruised arm and hand.
March 11	Machinist helper ..	M	While disconnecting air hose, hose jerked from hand inflicting severe cut on forehead.
March 20	Rollermaker	M	Foot slipped and fell from engine, side and head bruised.
July 19	Piper	M	Heavy block of iron fell on foot crushing toes.
August 7	Machinist	M	Slipped from block of wood on which he was standing and fell, cut and bruised.
August 28	Car repairer	M	While removing trucks, heavy casting fell on hand badly bruising same.
March 3	Laborer	M	While driving a tack same flew from hammer, lacerated eye.
April —	Laborer	M	Caught on smooth shaft, lost one arm and one finger of other hand.

TWELFTH REPORT OF THE
FACTORY INSPECTION—CONTINUED.
MUSCATINE COUNTY.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
December 27	Clerk	M	In operating freight elevator arm came in contact with floor and gulch rod, wrist badly sprained.
August 10	Lineman	M	Fell from pole, came in contact with bare wire, badly burned.
October 31	Motorman	M	Squeezed between cars while making coupling, badly bruised, no bones broken.
September—	Button cutter	M	Finger caught between tool and emery wheel, gash cut in finger.
August 9	Helper	M	While cleaning off journal with long stick hand was jerked into rip saw from behind, badly lacerated, laid off two months.
November 3	Finisher	M	Caught in button cutting machine, finger lacerated.
.....	Carpenter	M	Caught hand on saw, lost little finger.
.....	Foreman	M	Caught finger in wood working machine, lost middle finger at first joint.
.....	Machinist	M	Lost first finger in rip saw while trying to remove piece of wood from same.
.....	Carpenter	M	Lost index finger on rip saw.
March 24	Drifter	F	Had finger pierced by button drill.
April 27	Grinder	F	Caught hand in grinder, disabled one week.
January 21	Foreman	M	Hand caught in fly wheel of engine, disabled three weeks.
June 22	Driller	F	Drill pierced thumb, laid off one week.
February 2	Tenon operator	M	Grinding knife on emery wheel, slipped out of hands and cut leg.
February 15	Helper	M	While oiling hand came in contact with moving machinery, finger bruised.
March 1	Helper	M	Carelessly got fingers caught in planer, lost flesh from tips of same.
April 12	Helper	M	Finger came in contact with revolving knives, lost end of third finger.
February 2	Machine man	M	In throwing off belt was caught between belt and pulley, bruised arm.
August 15	Machine man	M	Slipped and fell on sander, scratched his arm badly.
September 9	Shaper	M	Fingers caught in shaper, two fingers on left hand badly cut.
September 21	Laborer	M	Pile of lumber fell on him in warehouse, leg badly bruised.
October 5	Laborer	M	Fell through opening on second floor, ribs fractured.
November 7	Glazer	M	Carrying glass, fellow ran into him breaking the glass, arm was badly cut.
November 11	Woodworker	M	While grinding knives on emery wheel piece of emery flew in eye, not serious.
November 7	Woodworker	M	Hand came in contact with saw, lost tips of two fingers.
December 2	Woodworker	M	Loaded truck of door rails fell over on him, mashed foot and cut forehead.
December 26	Sashmaker	M	Hand came in contact with saw, lost first finger of right hand.
August 27	Laborer	M	While making repairs to steam pipe threads were stripped allowing steam to escape and scalded him badly about lower part of body.

FACTORY INSPECTION—CONTINUED.
POLK COUNTY.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
August —	Laborer	M	Came in contact with clay cutting machine, arm cut, lost five days.
August —	Clay Land	M	Fell off car, bruised about chest.
February 26	Baker	M	Caught finger in ratchet wheel, laid up five days.
March 1	Packer	M	Hand caught between iron door and frame, laid up about two weeks.
June 5	Baker	M	Foot caught in elevator, lost three days.
October —	Bricklayer	M	Scaffold fell, leg broken.
November —	Mason tender	M	Sprained ankle while helping to load an engine.
November 28	Factory hand	M	In pulling off belt fly wheel came off with it and dropped on foot, mashed big toe.
May 28	Foreman	M	While moving separator wheel passed over foot, broke two small bones in foot.
February 15	Machine man	M	Fingers injured in woodworking machine.
February 28	Gluer	M	Started machine without instructions, cut off tip of one finger.
April 25	Sawyer	M	Lost half of first and second fingers on rip saw.
September 4	Machine man	M	Caught in rotary cutter, left arm broken just above wrist.
November 23	Driver	M	Fell under car and dislocated knee.
March 1	Helper	M	Got finger in candy creaming machine, finger cut.
January 12	Foreman	M	Slipped on stairway, leg bruised and cut.
February 12	Teamster	M	Collided with workman carrying gas pipe, left eye bruised.
March 12	Laborer	M	Jumped from runway to street, struck on nail and same pierced foot.
April 20	Pipettier	M	While making connection on service pipe, partially overcame wip gas.
June 8	Laborer	M	Lamp post fell on foot while moving same, instep crushed or sprained.
July 21	Gasmaker	M	In operating apparatus left arm was slightly burned.
July 7	Laborer	M	While unloading carload of coke received bruise on left leg.
November 6	Gasfitter	M	While setting gas meter under pressure was overcome with gas, recovered.
December 11	Engineer	M	Stepped off bench in wash room on lead pencil, head penetrated by same.
May 15	Pressman	M	Fingers caught between dies of machine, two fingers crushed.
.....	Mangle girl	F	Arm caught and crushed while padding mangle, arm amputated.
.....	Collar ironer	F	Hair caught on shaft of washing machine, not seriously injured.
.....	Ironer	F	Finger caught under roller of shirt machine, not injured seriously.
July —	Pit boss	M	Slide of shale, dislocated shoulder, off duty ten days.
March 14	Machinist	M	Hand caught between crank and tool rest on lathe, broke bones of two fingers.
August 23	Hostler	M	Jumped off moving engine and struck neck, head bruised.
September 12	Fireman	M	Weight of smoke jack fell on foot, toe bruised.
June 18	Wagonmaker	M	Lost thumb in planer.
May 18	Laborer	M	Fell from top smokestack, injured about back and internally.
May 12	Laborer	M	Stone fell on him while working in a ditch, scalp wound, not serious.
November 24	Switchboard man	M	While working on switch board received shock, not serious.
November 2	Laborer	M	Caught finger in small engine, lost finger on left hand.
.....	.....	M	In assisting to replace belt was caught

FACTORY INSPECTION—CONTINUED.

POLK COUNTY—Continued.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
February 7	Helper	M	In shaft and badly sprained, laid off two weeks.
January 21	Motorman	M	Slipped on step of car and bruised leg.
June 17	Conductor	M	Sprained hand in fight with passenger.
June 16	Conductor	M	Knocked from running board by weeds along track, shin bruised.
October 15	Motorman	M	Ran into open switch and collided with work train, back wrenched and bruised.
September 15	Engineer	M	Lightning came in on switch board, flash impaired eyesight, recovered.

SCOTT COUNTY.

March	—	Laborer	.....	M	Caught finger under stamping press, lost flesh on end of finger.
June	9	Machine hand	.....	M	While operating planer hand was caught and slightly cut.
June	12	Machine man	.....	M	Hand caught in jointer and slightly injured.
July	25	Machine man	.....	M	Lost tips of first and second fingers in woodworking machine.
October	14	Machine man	.....	M	Lost one-half of first and second fingers on grooving machine.
November	8	Laborer	.....	M	Lost first finger and thumb on rip saw.
February	9	Laborer	.....	M	Lost tips of two fingers on saw.
September	8	Laborer	.....	F	Tip of finger caught in paper machine, laid off two weeks.
September	19	Laborer	.....	F	Finger caught in paper machine and mashed, laid off six weeks.
October	6	Laborer	.....	M	In operating elevator was jerked from same breaking arm between elbow and wrist.
December	11	Cupola tender	.....	M	Explosion of sand in cupola caused severe burns about arms and head.
August	16	Laborer	.....	M	Slipped on hand-power elevator, slight injury.
February	7	Oiler	.....	M	Hand caught in gearing, back of hand cut.
February	16	Engineer	.....	M	Caught on revolving shafting, left side and shoulder badly bruised.
June	16	Laborer	.....	M	Tendons of thumb cut in circular saw.
June	1	Laborer	.....	M	Cut in thigh by coming in contact with machinery.
October	30	Laborer	.....	M	Lost part of first three fingers in rip saw.
October	10	Carpenter	.....	M	Fell from ladder, broke wrist and bruised leg and head.
November	20	Carpenter	.....	M	Door fell against him, and cut and bruised arm.
May	19	Helper	.....	M	Leaned over edge of elevator while going from one floor to the other and was caught, neck sprained and head bruised.
April	6	Laborer	.....	M	Lost three fingers under chain belt.
June	15	Foreman	.....	M	Got small piece of steel in eye, lost no time.
November	12	Laborer	.....	M	Finger cut on saw, lost two days.
January	—	Laborer	.....	M	Struck on head by hog hook, laid off three days.
May	—	Driver	.....	M	Scratched finger on nail in box, laid off two days.
		Butcher	.....	M	Cut finger with skinning knife, lost no time.
June	—	Laborer	.....	M	Scratched hand on nail, blood poison, laid off three days.
October	13	Helper	.....	M	Thumb pinched between two beams, slight injury.
November	29	Helper	.....	M	Handle of swinging ladle struck him over eye cutting gash.
		Glass workers	.....	M	Eight accidents to glass workers, all of minor character, such as sliver of glass in eye while cutting, glass broke in hands cutting same, etc.

FACTORY INSPECTION—CONTINUED.

SCOTT COUNTY—Continued.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
September 13	Carpenter	M	Fly wheel broke on band saw, broken leg.
November 2	Carpenter	M	Lost tip of finger in jointer.
November 11	Helper	M	Finger cut while putting up doors.
December 6	Machine man	M	Lost tip of finger in jointer.
December 3	Cutter	M	Two fingers cut in cross cut saw.
December 13	Helper	M	Hand caught in feed roller of sticker, slight injury.
August 15	Helper	M	Four fingers cut off on cross cut saw.
April 18	Sticker	M	Splinter in arm while holding mold-ings.
February 29	Carpenter	M	Knuckles of right hand caught on rip saw, slight injury.
.....	Shopmen	M	Twelve accidents reported to shop men, all of minor character, such as bruises, cuts, sprains, etc., none of them causing a loss of more than a week's time.
.....	Shopmen	M	Thirty-nine accidents reported to employees, can work, such as hand cut or bruised, cut on tin can, piece of emery in eye, caught in machinery, etc., none very serious.

SIOUX COUNTY.

December 1	Engineer	M	Finger caught between plunger and plate on pump, finger crushed, lost two weeks.
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UNION COUNTY.

.....	Laundry girl	F	Hand caught in mangle and badly bruised, lost one week's time.
.....	Shopmen	M	One hundred and sixty-five accidents reported to employees in shops, all of a minor character, some losing no time and some losing a week or ten days. Most of the accidents consist of cuts, bruises, sprains, eyes injured from particles from emery wheel, scalds, etc.

VAN BUREN COUNTY.

October 19	Laborer	M	Fell from second story of store, dislocated ankle.
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WAPELO COUNTY.

December 11	Porter	M	Pile of canned goods fell on him, injured slightly, laid up one week.
April —	Driver	M	Team ran away and he was thrown out, broke thigh bone, laid up three months.
.....	Machine man	M	Lost three fingers in buzz planer.
June 4	Laborer	M	Struck by steel beam, broke leg below knee.
September 15	Laborer	M	Struck on head by falling windlass, received scalp wound.
September 15	Laborer	M	Foot caught under falling windlass, slightly bruised.
October 30	Laborer	M	Pile of frozen meat fell on him, broke

TWELFTH REPORT OF THE
FACTORY INSPECTION—CONTINUED.
WAPELLO COUNTY—Continued.

Date.	Occupation.	Sex.	Cause of Accident; Extent of Injury.
September 23	Carpenter	M	leg, laid off several weeks. Engine bumped into car on which he was making repairs, received broken ankle.
May 5	Assembler	M	Splinter in fleshy part of thumb, not serious.
May 23	Helper	M	Piece of iron fell on foot, bruised and sprained ankle.
May 31	Assembler	M	Piece of iron fell on head, cut gash about two inches long.
August 24	Woodworker	M	Stick kicked back from saw striking him in abdomen, not serious.
August 21	Driller	M	Hand caught in drill press, badly cut across back of same.
November 2	Laborer	M	In unloading barrel of pitch from car hand was caught under same and bruised.
July 12	Laborer	M	Piece of shafting fell on foot from truck and badly bruised same.
December 12	Assembler	M	Piece of machinery fell on foot and small tooth on machine pierced foot.

WEBSTER COUNTY.

February 20	Laborer	M	Clay slipped on to him from side of bank, received broken ankle.
October —	One of firm.....	M	Lost three fingers in rolls of machine while attempting to clean same while in motion.
August 15	Helper	M	While working on wagon, wagon-head fell on him, bruised back.
June 16	Boilermaker	M	Removed hand hole before boiler had cooled off, left hand and arm scalded.
August 2	Car repairer	M	Bruised hand while removing ice from ice house, not serious.
November 3	Blacksmith	M	Finger mashed while making repairs to engine trucks.

WINNESHIEK COUNTY.

.....	Compositor	M	Hands burnt in several places while casting line on linotype machine.
June 20	Cabinet maker	M	Lost thumb and index finger on right hand in jointer.
September 30	Machine man	M	Lost tip of finger on rip saw.

WOODBURY COUNTY.

March 14	Baker	M	While cleaning machine while in motion hand was caught and badly bruised.
October 9	Laborer	M	Clay bank slid in on him and wrenched body badly.
February 15	Laborer	M	Fell out of wagon and broke shoulder blade.
October —	Candy maker	M	Attempted to remove piece of candy from cog wheels while in motion, lost part of finger.
April —	Machinist	M	Jumped from shipping door sill to pavement, slipped and fell breaking shoulder blade.
June —	Laborer	M	Overloaded shelf broke and goods fell on him, lost ten days.
.....	Laborer	M	Pulley fell on foot and fractured ankle.
.....	Farmer	M	Team started up and caught knee between hub of wagon wheel and corner of building, dislocated knee cap.
.....	Helper	M	Lost two fingers in rip saw.

FACTORY INSPECTION—CONTINUED.
WOODBURY COUNTY—Continued.

Date	Occupation	Sex	Cause of Accident; Extent of Injury
.....	Machine operator..	M	Hand caught between saw and feed roll, lost part of three fingers.
.....	Machine operator..	M	Piece of wood kicked back from pony planer, struck in abdomen.
February —	Engineer	M	Repairing roof, slipped and fell, sprained ankle.
November 11	Laborer	M	Got finger under wheel of clay car, smashed tip of same.
May —	Brick wheelers	M	Brick arch caved in on him badly bruising hand and legs.
July 13	Laborer	M	Turpentine he was using in paint caught fire from forge and burned him badly from knees down.
.....	.....	M	Track tie fell on finger, bruised severely.
January 23	Laborer	M	Hit by spike while driving same, finger cut.
May 1	Laborer	M	Piece of rattan run in finger while repairing sweeper brooms.
February 14	Mechanic	M	Caught in wheel while polishing piece of metal, thumb badly cut.
March 15	Mechanic	M	Piece of metal from trolley struck eye.
April 1	Conductor	M	Bar thrown by rail turning, struck side of head and split ear.
April 12	Laborer	M	Tie fell on hand, bruised forefinger.
April 14	Laborer	M	Caught foot between handcar wheel and rail, bruised foot.
April 14	Laborer	M	Dropped end of rail he was carrying, bruised foot.
April 15	Laborer	M	In moving car wheel finger was pinched and badly bruised.
April 25	Teamster	M	While repairing stalls was kicked by mule, right thigh hurt, but not serious.
August 26	Laborer	M	Was lifting rail and it fell on ankle, ankle bruised, not serious.
.....	Packing-house men	M	One hundred thirty-seven minor accidents were reported to have taken place in the packing houses at Sioux City. These accidents consist of bruises, sprains, cuts, scalds, blood poison from scratches from bones and cuts from knives, etc., none of which caused a great loss of time.

GRADED WAGES AND SALARIES.

In the compilation of the following table an endeavor has been made to secure and present information collected from widespread sources, which will tend to meet the increasing demand for information of this character.

This information is furnished by employers in 405 establishments, in forty-two counties of the State, and represents 104 different branches of industry.

The table is designed to show the nature of industry, division of occupation, sex of workers, rate basis, by hour, day, week, month, or year, actual rate of wages paid, including highest, medium and lowest rates, number of hours worked per day, and increase or decrease in wages paid during 1905.

GRADED WAGES AND SALARIES WITH HOURS
WORKED PER DAY AND WEEK, AND VARI-
TION IN RATE FOR 1905.

COLLECTED FROM THE EMPLOYERS IN IOWA.
APPANOOSE COUNTY.

Kind of Business and Division of Occu- pation	Male (M) or Fe- male (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905.		
			High- est Rate	Me- dium Rate	Low- est Rate	Hrs. per Day	Hrs. per Wk	In- crease	De- crease	
<i>Brick and Tile Mfg.—</i>										
Common laborers	M	h	.20	.....	.18	9	54	n	n
<i>Gas, Light & St. Ry.—</i>										
Carmen.....	M	m	40.00	.....	50.00	10	70	n	n
Engineers.....	M	m	50.00	.....	35.00	12	84	n	n
Firemen.....	M	m	50.00	40.00	35.00	10	60	n	n	
Wiremen.....	M	m	50.00	40.00	35.00	10	60	n	n	
<i>R. R. Repair Shop—</i>										
Boiler maker.....	M	h	.30	.....	.27	10	70	n	n
Boiler maker helper	M	h	.17½	.....	.16½	10	70	n	n
Caller.....	M	h	.15	.....	.16	10	70	n	n
Car inspector.....	M	h	.20	.....	.16	10	70	n	n
Coach cleaner.....	M	m	40.00	.....	35.00	10	70	n	n
Freight repairer.....	M	h	.20	.....	.17½	9	54	n	n
Hostler.....	M	h	.16	.....	.17½	10	70	n	n
Machinist.....	M	h	.30	.20	.17½	10	70	n	n	
Machinist and in- spector.....	M	h	.20	.....	.....	10	70	n	n
Sawdustman.....	M	h	.15	.....	.....	10	70	n	n
Stationary engineer	M	h	.15	.....	.....	11	77	n	n
Watchman.....	M	h	.15	.....	.....	10	70	n	n
Wiper.....	M	h	.15	.....	.....	10	70	n	n
Wreck foreman.....	M	h	.25	.....	.....	9	54	n	n
Woodworker.....	M	h	.25	.....	.....	10	70	n	n

BLACK HAWK COUNTY.

<i>Acetylene Generators Mfg.—</i>									
Crating department.	M	d	\$ 1.50	.....	1.50	10	60	n	n
Sheet iron workers..	M	d	3.00	2.00	1.50	10	60	n	n
Pipe fitters.....	M	d	2.50	2.00	1.00	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

BLACK HAWK COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905.		
			Highest Rate	Medium Rate	Lowest Rate	Hrs. per Day	Hrs. per Wk	Increase	Decrease	
<i>Agricultural Imp. Mfg.</i>										
Assemblers.....	M	h	.25	.20	.15	10	60	n	n	
Bench hands.....	M	h	.25	.....	.20	10	60	n	n
Bookkeepers.....	M	m	75.00	50.00	40.00	10	60	n	n	
Laborers.....	M	h	.175	.15	.135	10	60	n	n	
Machinists.....	M	h	.325	.25	.20	10	60	n	n	
Machine operators.....	M	h	.225	.175	.075	10	60	n	n	
Moulders.....	M	h	.25	.20	.10	10	60	n	n	
Painters.....	M	h	.25	.20	.125	10	60	n	n	
Stenographers.....	F	w	15.00	10.00	7.00	10	60	n	n	
<i>Beef and Pork Packing—</i>										
Butchers.....	M	d	2.50	1.75	1.00	10	60	54		
Coopers.....	M	d	2.00	1.75	1.50	10	60	n	n	
Engineers.....	M	d	2.50	2.25	2.00	10	60	n	n	
Meat trimmers.....	F	d	1.00	.....	.50	10	60	n	n
Laborers.....	M	d	1.75	1.66	1.50	10	60	56		
Order department.....	M	d	2.50	2.00	1.50	10	60	n	n	
Teamster.....	M	d	1.66	.....	.....	10	60	n	n
<i>Carriages and Wagons Mfg.—</i>										
Blacksmiths.....	M	h	.33	.225	.15	10	59	105		
Painting dept.....	M	h	.33	.225	.15	10	59	95		
Shipping dept.....	M	h	.275	.175	.15	10	59	n	n	
Trimming dept.....	M	h	.30	.225	.125	10	59	85		
<i>Confectionery Mfg.—</i>										
Dipping dept.....	F	w	9.00	5.00	3.00	10	60	n	n	
Factory.....	F	w	18.00	9.00	4.00	10	60	n	n	
Shipping dept.....	M	w	15.00	8.00	5.00	10	60	n	n	
<i>Cooling Rooms and Butchers' Supplies Mfg.—</i>										
Carpenters.....	M	d	4.00	2.50	1.75	10	60	104		
Common laborers.....	M	d	2.00	1.75	1.65	10	60	104		
Painters.....	M	d	2.50	2.25	2.00	10	60	104		
Trimmers.....	M	d	2.50	2.25	2.00	10	60	104		
<i>Cream Separators Mfg.—</i>										
Bookkeeper.....	M	w	15.00	.....	.....	10	60	n	n
Clerk.....	F	w	6.00	.....	.....	8	48	n	n
Machinists.....	M	h	.30	.25	.125	10	60	n	n	
Machine hands.....	M	h	.175	.15	.125	10	60	n	n	
Packing dept.....	M	h	.20	.....	.15	10	60	n	n
Painter.....	M	h	.275	.....	.....	10	60	n	n
Painters' help.....	M	h	.125	.....	.....	10	60	n	n
Stenographer.....	F	w	8.00	.....	.....	8	48	n	n
<i>Electric Railway—</i>										
Blacksmith.....	M	m	45.00	.....	.....	10	60	n	n
Brakeman.....	M	m	45.00	30.00	.....	10	60	n	n
Carpenter.....	M	m	50.00	.....	.....	10	60	n	n
Conductors.....	M	m	55.00	40.00	30.00	12	84	n	n	
Engineers.....	M	m	60.00	.....	.....	12	84	n	n
Firemen.....	M	m	45.00	.....	.....	12	84	n	n
Motormen.....	M	m	45.00	.....	.....	12	84	n	n
Laborers.....	M	m	45.00	37.50	.....	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

BLACK HAWK—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905.		
			Highest Rate	Medium Rate	Lowest Rate	Hrs. per Day	Hrs. per Wk.	Increase	Decrease	
Garment Factory—										
Cutting department.....	M	m	62.50	50.00	40.00	10	60	n	n	
Folding and examining dept.....	F	w	7.00	4.00	3.00	10	60	n	n	
Sewing dept.....	F	w	12.00		2.00	10	60	n	n	
Gates Mfg.—										
Cleaning work.....	M	d	1.00		.80	10	60	n	n	
Drillers.....	M	d	1.50		1.00	10	60	204		
Gate makers.....	M	d	2.00		1.50	10	60	154		
Painting department.....	M	d	2.00		1.50	10	60	155		
Hardware Specialties Mfg.—										
Blacksmiths.....	M	d	2.00		1.75	10	59	104		
Machinists.....	M	d	2.00		1.75	10	60	105		
Riveters.....	M	d	1.50	1.25	1.00			154		
Laundry—										
Assorters.....	F	w	12.00		5.00	10	58	n	n	
Bookkeeper.....	F	w	8.00			9	54	n	n	
Fireman.....	M	w	10.00			11	66	n	n	
Presser.....	F	w	8.00		5.00	10	58	154		
Ironers.....	F	w	9.00		5.00	10	58	154		
Starchers.....	F	w	7.00		5.00	10	58	154		
Washers.....	M	w	14.00		10.00	10	57	154		
Publishing and Printing—										
Clerks.....	M	w	13.00	10.00		8	48	n	n	
Clerks.....	F	w	9.00		6.00	9	54	n	n	
Pressfeeder.....	M	w	15.00		12.00	9	54	n	n	
Pressmen.....	M	w	21.00	14.00	10.00	9	54	n	n	
Printers.....	F	w	10.00			9	54	n	n	
Railway Repair Shops—										
Blacksmiths.....	M	h	.34		.30	8	48	none	none	
Blacksmiths' helpers.....	M	h	.194		.184	8	48	none	none	
Blacksmiths' appren.....	M	h	.194	.125	.104	8	48	none	none	
Boilermakers.....	M	h	.35	.34	.29	8	48	none	none	
Boilermakers' helps.....	M	h	.194		.184	8	48	none	none	
Boilermakers' appren.....	M	h	.194	.125	.104	8	48	none	none	
Car cleaners.....	M	h	.154		.144	8	48	none	none	
Carpenters.....	M	h	.294	.254	.154	8	48	none	none	
Carpenters' helpers.....	M	h	.17		.164	8	48	none	none	
Car repairers.....	M	h	.154		.144	8	48	none	none	
Engine cleaners.....	M	h	.294		.154	8	48	none	none	
Laborers.....	M	h	.154		.144	8	48	none	none	
Machinists.....	M	h	.24		.174	8	48	none	none	
Machinists' helpers.....	M	h	.194	.125	.104	8	48	none	none	
Machinists' appren.....	M	h	.25		.224	8	48	none	none	
Painters.....	M	h	.17		.154	8	48	none	none	
Painters' helpers.....	M	h	.16		.144	8	48	none	none	
Pipe fitters.....	M	h	.284		.274	8	48	none	none	
Pipeters' helpers.....	M	h	.16			8	48	none	none	
Timers.....	M	h	.28		.27	8	48	none	none	
Timers' helpers.....	M	h	.184	.125	.104	8	48	none	none	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

BLACK HAWK COUNTY—Continued.

Kind of Business and Division of Occu- pation	Male (M) or Fe- male (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High- est Rate	Me- dium Rate	Low- est Rate	Hrs. per Day	Hrs. per W'k	In- crease	De- crease	
<i>Sash and Doors Mfg.—</i>										
Cabinet makers	M	h	.30	.25	.20	8	48	none	none	
Carpenters	M	h	.27½	.25	.20	8	48	none	none	
Finishers	M	h	.30	.25	.15	8	48	none	none	
Helpers	M	h	.17½	.15	.10	8	48	none	none	
Machine men	M	h	.27½	.25	.15	8	48	none	none	
<i>Water Supply—</i>										
Bookkeeper	M	w	12.50	.....	.....	10	60	n	n
Clerks	F	w	10.00	.....	.....	10	60	n	n
Chief engineer	M	m	70.00	.....	55.00	10	60	n	n
Collector	M	m	45.00	.....	.....	10	60	n	n
Fireman	M	m	50.00	.....	.....	10	60	n	n
Foreman	M	m	50.00	.....	.....	10	60	n	n
Helper	M	m	40.00	.....	.....	10	60	n	n
Superintendent	M	m	125.00	.....	.....	10	60	n	n
Teamster	M	m	45.00	.....	.....	10	60	n	n
<i>Wholesale Grocery—</i>										
Bookkeepers	M	m	100.00	65.00	50.00	10	59	n	n	
Clerks	M	m	90.00	.....	70.00	10	59	n	n
Clerks	F	w	10.00	.....	8.00	10	53	n	n
Draymen	M	w	10.00	.....	9.00	10	59	n	n
Engineer	M	w	11.50	.....	.....	10	59	n	n
Floormen	M	w	14.00	10.00	9.00	10	59	n	n	
Fruit packer	M	w	12.00	.....	.....	10	59	n	n
Salesmen	M	m	125.00	91.67	65.00	n	n	n	n	
Shipping clerk	M	w	12.00	.....	.....	10	59	n	n

BOONE COUNTY.

Blacksmithing and Repairing—									
Blacksmiths	M	h	.31	.30	.25	10	60	n	n
Blacksmith helpers	M	h	.25	.20	.17½	10	60	n	n
Boy	M	h	.05			10	60	n	n
Bookkeeper	M	h	.13			10	60	n	n
Machine salesman	M	h	.35			10	60	n	n
Teamster	M	h	.15			10	60	n	n
Blank Books Mfg.—									
Book binders	M	w	15.50	5.00	3.00	9	54	n	n
Book binders	F	w	10.00			9	54	n	n
Printers	M	w	16.00	7.00	3.00	9	54	n	n
Bottling Works—									
Bottlers	M	m	75.00			10	60	n	n
Bottle washers	M	w	8.00	5.00		10	60	n	n
Teamster	M	m	50.00			10	60	n	n
Flour and Cereal Milling—									
Coopers	M	d	2.50			10	60	n	n
Engineers	M	d	2.50			10	60	n	n
Millers	M	d	3.15	2.50	2.00	10	60	n	n
Millwrights	M	d	5.00	3.50	3.00	10	60	n	n
Laborers	M	h	.15			10	60	n	n
Packing Dept.	M	w	12.00	5.00	3.00	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

BOONE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
Hotel*—										
Chambermaid	F	w	3.50			10	70	n	n	
Cooks	F	w	7.00		4.00	14	98	n	n	
Clerk, day	M	w	7.00			12	84	n	n	
Clerk, night	F	w	5.00			12	84	n	n	
Dish washer	F	w	3.50			13	91	n	n	
Dining room girls	F	w	3.50			12	84	n	n	
Laundry girls	F	w	3.00			12	84	n	n	
Porter	F	w	4.00			12	84	n	n	
Porter	F	w	3.00			12	84	n	n	
Yardmen	M	w	3.00			12	84	n	n	
Railway Repair Shops—										
Asb-pan cleaners	M	h	.17	.15	.15	8	48	none	none	
Blacksmiths	M	h	.25	.25	.25	8	48	none	none	
Blacksmith helpers	M	h	.20			8	48	none	none	
Boiler makers	M	h	.34			8	48	none	none	
Boiler maker help's	M	h	.21	.19	.16	8	48	none	none	
Boiler washers	M	h	.18½	.16	.15	10	70	none	none	
Callers	M	h	.16	.15	.15	10	70	none	none	
Carpenters	M	h	.26		.23	8	48	none	none	
Engine inspectors	M	h	.18	.16	.10	10	70	none	none	
Firemen, round-house	M	h	.18	.15½	.15	10	70	none	none	
Flue cleaners	M	h	.17			10	70	none	none	
Foremen	M	m	140.00	100.00	80.00	n	n	none	none	
Laborers	M	h	.15			10	70	none	none	
Machinists	M	h	.34			8	48	none	none	
Machinists' helpers	M	h	.17½	.15½	.15	8	48	none	none	
Machinists' apprentices	M	h	.16			8	48	none	none	
Others	M	h	.17		.15	8	48	none	none	
Painters	M	h	.22			8	48	none	none	
Sandman	M	h	.15		.10	70	none	none	none	
Stationary firemen	M	h	.18½	.16	.15	10	70	none	none	
Stenographers	M	m	.75		.60	9	54	none	none	
Timers	M	h	.27			8	48	none	none	
Truck repairers	M	h	.22	.19	.15	8	48	none	none	
Turn-tablemen	M	h	.17½	.16½	.15½	10	70	none	none	
Wipers	M	h	.16	.15½	.15	10	70	none	none	

BREMER COUNTY.

Planing & Sawmill—									
Factory hands	M	d	\$ 2.00			10	60	none	none
Fireman	M	d	1.50			10	60	none	none
Foreman	M	d	2.50			10	60	none	none
Office girl	F	m	15.00			8	48	none	none
Teamster	M	m	35.00			11	66	none	none
Printing and Publishing—									
Compositors	M	w	7.00	\$ 6.00		10	60	none	none
Job printers	M	w	9.00			10	60	none	none

n Not reported.

*In addition to wages paid all employees are allowed room and board.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

BUCHANAN COUNTY.

Kind of Business and Division of Occu- pation	Male (M) or Fe- male (F)	Rate Basis	Rate of Wages.			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High- est Rate	Me- di- um Rate	Low- est Rate	Hrs. per Day	Hrs. per W'k	In- crease	De- crease	
<i>Butter and Egg Pack- ing—</i>										
Butter department....	M	d	\$ 1.75	.....	\$ 1.00	10	60	none	none
Egg department.....	M	d	1.75	.....	1.00	10	60	none	none
Manager.....	M	m	70.00	.....		10	60	none	none
<i>Wholesale Garden Seeds—</i>										
Attendants.....	F	h	.10	.....		10	60	n	n
Bill clerk.....	M	m	60.00	.....		10	60	n	n
Bookkeeper.....	F	m	60.00	.....		10	60	n	n
Box finisher.....	M	d	1.75	.....		10	60	n	n
Managers.....	M	m	100.00	.....		10	60	n	n
Packing department	F	h	.15	\$.125	.10	10	60	n	n	
Sealing department.	F	h	.10	.08		10	60	n	n	
Shipping clerk.....	M	m	50.00	.....		10	60	n	n
Typewriters.....	F	m	40.00	.....		10	60	n	n

CERRO GORDO COUNTY.

<i>Bottling Works—</i>									
Bottler.....	M	w	12.00	.....	.....	10	60	n	n
Helper.....	M	w	9.00	.....	.....	10	60	n	n
Manager.....	M	w	20.00	.....	.....	10	60	n	n
<i>Brick and Tile Mfg.—</i>									
Burners.....	M	d	2.40	.....	2.30	12	84	4%	.....
Common laborers...	M	d	1.50	.....	1.75	10	60	10%	.....
Firemen.....	M	d	2.10	.....	1.90	10	60	10%	.....
<i>Electric Light, Heat and Gas—</i>									
Bookkeeper.....	F	m	75.00	.....	.....	10	60	n	n
Bookkeeper.....	M	m	60.00	.....	40.00	10	60	n	n
Electricians.....	M	m	60.00	.....	50.00	10	60	n	n
Engineers.....	M	m	90.00	.....	70.00	10	60	n	n
Firemen.....	M	m	55.00	.....	40.00	12	84	n	n
Stenographer.....	F	m	40.00	.....	.....	10	60	n	n
Storekeeper.....	M	m	80.00	.....	.....	10	60	n	n
<i>Dundry—</i>									
Bookkeeper.....	M	w	13.00	.....	.....	10	59	.....	.....
Body ironers.....	F	w	5.50	.....	.....	10	59	.....	.....
Bundler.....	F	w	6.00	.....	.....	10	59	n	n
Collar finisher.....	F	w	7.00	.....	.....	10	59	n	n
Engineer.....	M	w	12.00	.....	.....	10	59	n	n
Foreman.....	M	w	30.00	.....	.....	10	59	n	n
Mangle girls.....	F	w	6.50	.....	2.50	10	59	n	n
Marker.....	F	w	6.00	.....	.....	10	59	n	n
Polisher.....	M	w	10.00	.....	.....	10	59	n	n
Starcher.....	F	w	6.50	.....	.....	10	59	n	n
Wagon men.....	F	w	10.00	.....	.....	10	59	n	n
Washer.....	M	w	10.00	.....	.....	10	59	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

CERRO GORDO COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
Telephone Exchange—										
Clerks.....	M	m	50.00	35.00	25.00	9	54	n	n	
Foremen.....	M	m	85.00	80.00	50.00	10	60	n	n	
Groundmen.....	M	d	2.25		2.00	10	60	n	n	
Linemen.....	M	d	2.65	2.50	2.25	10	60	n	n	
Managers.....	M	m	70.00		50.00	10	60	n	n	
Messenger boy.....	M	m	10.00			10	60	n	n	
Operators.....	M	m	200.00	125.00	70.00	9	54	n	n	
Teamster.....	M	m	100.00			10	60	n	n	
Teamster.....	M	d	3.50		3.00	10	60	n	n	
Wholesale Fruit and Produce—										
Bookkeeper.....	M	m	60.00			10	60	n	n	
Driver.....	M	m	45.00			10	60	n	n	
Manager.....	M	m	150.00			10	60	20%		
Packers.....	M	m	45.00			10	60	n	n	
Stenographer.....	F	m	35.00			10	60	n	n	
Salesman.....	M	m	85.00		60.00	10	60	12½%		

CHEROKEE COUNTY.

<i>Farm Machinery Mfg.—</i>									
Laborers.....	M	d	1.50	1.35	1.05	10	60	n	n
Machinists.....	M	d	1.75	.....	1.50	10	60	n	n
Molders.....	M	d	4.00	.....	.....	10	60	10%	.....
Office help.....	M	m	35.00	30.00	25.00	10	60	n	n
<i>Hardware (Retail)—</i>									
Clerks.....	M	m	65.00	.....	60.00	11	66	.....	8%
Fitters.....	M	m	20	18	.....	10	60	8%	.....

CLINTON COUNTY.

<i>Button Factory—</i>									
Common laborers...	M	d	1.50	.....	.....	10	60	n	n
Engineer.....	M	d	2.00	.....	.....	10	60	n	n
Manager.....	M	w	15.00	.....	.....	10	60	n	n
Shell sorters.....	M	d	1.50	.....	.....	10	60	n	n
<i>Dry Goods (Retail)</i>									
Bookkeeper.....	F	w	8.00	.....	.....	10	56	n	n
Boys, bundle.....	M	w	4.00	.....	.....	10	60	n	n
Clerks.....	F	w	12.00	.....	5.00	10	62	n	n
Clerks.....	M	w	20.00	.....	12.00	10	62	n	n
Drivers.....	M	m	40.00	.....	.....	10	62	n	n
Porters.....	M	w	5.00	.....	.....	10	62	n	n
Window dresser.....	M	w	7.00	.....	.....	10	62	n	n
<i>Dry Goods, Millinery—</i>									
Clerks.....	M	w	25.00	10.00	3.00	10	63	none	none
Clerks.....	F	w	22.00	6.00	3.00	10	60	none	none

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

CLINTON COUNTY—Continued.

Kind of Business and Division of Occu- pation	Male (M) or Fe- male (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			Highest Rate	Med- ium Rate	Low- est Rate	Hrs. per Day	Hrs. per W'k	In- crease	De- crease	
<i>Crackers and Cookies, Mfg.—</i>										
Icing	F	w	6.00	3.50	2.50	10	60	none	none	
Oven hands	M	w	13.50	3.00	6.00	10	60	none	none	
Packers	F	w	6.00	4.00	2.50	10	60	none	none	
<i>Builders' Hardware, Mfg.—</i>										
Assembling	M	h	.25	.30	.12½	10	50	none	none	
Die making	M	h	.32½	.30	.30	10	50	none	none	
Machine operators ..	M	h	.22½	.15	.07½	10	50	none	none	
Moulding	M	h	.30	.27½	.25	10	50	none	none	
Plating	M	h	.30	.17½	.06	10	50	none	none	
Polishing room	M	h	.30	.27½	.25	10	50	none	none	
Wiping	F	h	.08½	.07½	.06	10	50	none	none	
Wrapping and pack ..	F	h	.15	.12½	.06	10	50	none	none	
<i>Bridge and Iron Works</i>										
Blacksmiths	M	d	3.00	2.00	1.00	10	60	none	none	
Bridge builders	M	d	4.00	2.50	1.50	10	60	10½	n	
Engineers	M	m	1.50	1.25	.50	10	60	n	n	
Laborers	M	d	1.75	1.60	1.50	10	60	n	n	
Machinists	M	d	3.00	2.50	2.00	10	60	n	n	
Officers	M	m	466.00	.....	233.00	10	60	n	n
Stenographers	F	w	10.00	.....	8.00	9	54	n	n
<i>Brewery—</i>										
Bottling dept.	M	w	12.00	.....	.....	10	60	20%	n
Brewing dept.	M	w	12.50	.....	.....	10	60	n	n
Drivers	M	w	16.50	.....	14.00	10	60	n	n
Engineers	M	w	17.00	.....	15.00	10	60	n	n
Firemen	M	w	12.50	.....	.....	10	60	n	n
Maltting dept.	M	w	12.50	.....	.....	10	60	n	n
Wash house	M	w	12.50	.....	.....	10	60	n	n
<i>Boxes, Shooks and Crates, Mfg.—</i>										
Cut off sawyers	M	d	1.00	.....	.....	9	54	none	none
General laborers	M	d	1.75	.....	1.50	9	54	none	none
Rip sawyer	M	d	1.75	.....	.....	9	54	none	none
<i>Bottling Works—</i>										
Bottling dept.	M	w	11.00	.....	.....	10	60	none	none
Bottle washers	M	w	8.50	.....	.....	10	60	none	none
<i>Hardware (Wholesale and Retail)—</i>										
Clerks	M	w	18.00	15.00	13.50	10	60	n	n	
Office help	M	m	75.00	.....	50.00	10	60	n	n
Plumbers	M	d	3.00	2.50	1.00	9	54	n	n	
Tinners	M	d	3.00	2.75	2.50	9	54	20%	n	
<i>Lumber and Planing Mill—</i>										
Yardmen	M	d	1.60	1.55	.50	10	50	5s	n	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

CLINTON COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			Highest Rate	Medium Rate	Lowest Rate	Hrs. per Day	Hrs. per W'k	Increase	Decrease	
<i>Packing House Products—</i>										
Drivers.....	M	w	12.00			10	70	none	none	
Manager.....	M	w	30.00			10	70	none	none	
Office help.....	M	w	15.00			10	70	none	none	
Salesmen.....	M	w	17.00	14.00	12.00	10	70	none	none	
Shipping clerk.....	M	w	15.00			10	70	none	none	
<i>Printing (Job)—</i>										
Folger.....	F	w	3.00			9	54	none	none	
Manager.....	M	w	20.00			9	54	none	none	
Pressman.....	M	w	6.50	6.00		9	54	none	none	
Printer.....	M	w	13.50			9	54	none	none	
<i>Paper Mache Mfg.—</i>										
Mould maker.....	M	h	.25			9	54	none	none	
Painter.....	M	w	20.00		7.00	9	54	none	none	
Paper maker.....	M	m	50.00			9	54	none	none	
Sculptor.....	M	h	.47			9	54	none	none	
<i>Railway Repair Shops—</i>										
Blacksmiths, Blacksmiths' helpers.....	M	h	.34			8	48	none	none	
Boilermakers, Boilermakers' helpers.....	M	h	.21 .34	.20 .18		8	48	none	none	
Boilermakers' apprentices.....	M	h	.23½	.20 .16½		8	48	none	none	
Boiler washers.....	M	h	.17½			8	48	none	none	
Call boys.....	M	h	.15 .17½	.15 .16½		10	70	none	none	
Carpenters.....	M	h	.23½	.22 .22		8	48	none	none	
Drillers.....	M	h	.27½	.21½ .17½		10	70	none	none	
Firemen, round-house.....	M	h	.18		.17	10	70	none	none	
Flue cleaners.....	M	h	.17½		.16½	10	70	none	none	
Foreman.....	M	m	100.00		68.00	n	n	none	none	
Laborers.....	M	h	.17	.16		10	70	none	none	
Machinists.....	M	h	.34			8	48	none	none	
Machinists' helpers.....	M	h	.22	.17½ .15		8	48	none	none	
Machinists' apprentices.....	M	h	.16	.12 .08		8	48	none	none	
Master mechanic.....	M	m	200.00			n	n	none	none	
Packers.....	M	h	.17			10	70	none	none	
Painters.....	M	h	.20		.16	8	48	none	none	
Pipe fitters.....	M	h	.21½ .28½	.16½		8	48	none	none	
Pitman.....	M	h	.16½	.16	.15½	10	70	none	none	
Sandman.....	M	h	.17½	.16½ .15½		10	70	none	none	
Stationary firemen.....	M	h	.15	.17 .16		10	70	none	none	
Stenographers.....	M	m	100.00	50.00 40.00		9	54	none	none	
Teamsters.....	M	m	61.00			10	70	none	none	
Track repairers.....	M	h	.21	.18		10	70	none	none	
Wipers.....	M	h	.16½		.15½	10	70	none	none	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

CLINTON COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Sash and Door Mfg.—</i>										
Carpenters.....	M	d	2.65	.....	2.00	10	59	none	none
Carpenters' helpers.....	M	d	1.25	.....	.....	10	59	none	none
Glaziers.....	M	d	2.10	.....	1.85	10	59	none	none
Joining.....	M	d	2.10	.....	1.75	10	59	none	none
Mortising.....	M	d	1.90	.....	1.65	10	59	none	none
Moulders.....	M	d	2.50	.....	1.45	10	59	none	none
Planers.....	M	d	1.90	.....	1.75	10	59	none	none
Sawyers.....	M	d	2.60	.....	2.25	10	59	none	none
Shapers.....	M	d	2.70	.....	2.25	10	59	none	none
Sash builders.....	M	d	2.35	.....	2.40	10	59	none	none
Stickers.....	M	d	2.25	.....	1.75	10	59	none	none
Tenoning.....	M	d	2.50	.....	2.29	10	59	none	none
Turners.....	M	d	3.00	.....	2.25	10	59	none	none
<i>Spring Beds Mfg.—</i>										
Assembling.....	M	d	30.00	1.75	1.25	10	60	n	n
Clerk.....	M	m	30.00	10	60	n	n
Common laborers.....	M	h	.17415	.061	10	60	n	n
<i>Telephone Exchange—</i>										
Bookkeeper.....	F	m	40.00	.....	.....	8	48	none	none
Inspectors.....	M	m	65.00	40.00	10	60	none	none
Managers.....	M	m	125.00	100.00	10	60	none	none
Operators.....	F	h	.1106	.07	8	52	none	none
<i>Upholstered Furniture, Mfg.—</i>										
Finisher.....	M	h	.30	.....	.....	10	60	none	none
Mattress maker.....	M	h	.184	.....	.....	10	60	none	none
Packers.....	M	h	.15	.....	.....	10	60	none	none
Springers.....	M	h	.14	.....	.....	10	60	none	none
Tick maker.....	F	h	.10	.....	.....	10	60	none	none
Upholsterers.....	M	h	.25	.....	.....	10	60	none	none

CRAWFORD COUNTY.

Flour Mill—									
Engineer.....	M	m	40.00	.....	.....	10	60	n	n
Millers.....	M	m	50.00	.....	40.00	10	60	n	n

DES MOINES COUNTY.

Bakery—									
Bakers.....	M	w	12.00	.....	10.00	10	60	none	none
Delivery boy.....	M	w	4.50	.....	.....	10	60	none	none
Foreman.....	M	w	16.00	.....	.....	10	60	none	none
Salesmen.....	M	w	14.00	12.00	10.00	10	60	none	none
Saleslady.....	F	w	5.00	.....	.....	10	60	none	none
Butter, Eggs and Cold Storage—									
Butter makers.....	M	w	15.00	12.00	9.00	10	60	none	none
Egg candlers.....	F	w	8.00	.....	.....	10	60	none	none
Egg candlers.....	M	w	18.00	10.00	7.50	10	60	none	none
Helpers.....	M	w	9.00	.....	.....	10	60	none	none

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

DES MOINES—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Cigar Factory—</i>										
Cigarmakers.....	M	w	25.00	15.00	10.00	8	48	none	none	
Strippers.....	F	w	8.00		3.00	8	48	none	none	
<i>Dry Goods (Retail)</i>										
Bookkeeper.....	M	w	19.00			10	63	n	n	
Buyers.....	M	w	48.00			10	60	n	n	
Cashier.....	M	w	35.00			10	63	n	n	
Delivery boys.....	M	w	3.50			10	60	n	n	
Elevator boys.....	M	w	2.50			10	60	n	n	
Janitor.....	M	w	10.00			10	60	n	n	
Managers.....	M	w	48.00			10	60	n	n	
Salesmen.....	M	w	50.00	12.50	9.00	10	63	n	n	
Saleslady.....	F	w	10.50	7.00	5.00	10	62	n	n	
Sewing women.....	F	w	7.50	6.00	5.00	10	60	n	n	
Wrappers.....	M	w	9.00		7.50	10	60	n	n	
<i>Foundry and Machine Shop—</i>										
Boilermakers.....	M	d	3.50	3.00	2.50	10	59	n	n	
Boilermaker helpers.....	M	d	2.50	2.00	1.65	10	59	n	n	
Laborers.....	M	d	2.10	1.75	1.50	10	59	n	n	
Machinists.....	M	d	3.25	2.75	2.50	10	59	n	n	
Machinist helpers.....	M	d	2.00	1.75	1.65	10	59	n	n	
Moulders.....	M	d	3.25	2.85	2.75	10	59	n	n	
<i>Furniture Mfg.—</i>										
Bookkeeper.....	M	m	75.00			10	60	n	n	
Cabinet maker.....	M	w	14.00	12.00	10.50	10	60	n	n	
Clerks.....	M	m	100.00	50.00	30.00	10	60	n	n	
Engineer.....	M	w	15.00			10	60	n	n	
Foreman.....	M	m	25.00	25.00	50.00	10	60	n	n	
Laborers.....	M	w	10.50	9.00	8.40	10	60	n	n	
Mattress makers.....	M	w	25.00	15.00	7.00	10	60	n	n	
Salesmen.....	M	w	9.00			10	60	n	n	
Salesmen, traveling.....	M	m	100.00	75.00	50.00	10	60	n	n	
Sewing girls.....	F	w	9.00	5.00	4.00	10	60	n	n	
Stenographers.....	F	w	12.50	10.00	9.00	10	60	n	n	
Superintendent.....	M	m	65.00			10	60	n	n	
Teamsters.....	M	w	11.00			10	60	n	n	
Truckeeper.....	M	m	75.00	40.00	9.00	10	60	n	n	
Upholsterers.....	M	w	20.00	15.00	9.00	10	60	n	n	
Varnishers.....	M	w	11.00	9.00	8.40	10	60	n	n	
<i>Gas Light Mfg.—</i>										
Firemen.....	M	m	56.50	55.00	45.00	12	84	n	n	
Fitters.....	M	m	65.74	50.00	45.00	10	60	n	n	
Foreman.....	M	m	65.74	55.00		10	60	n	n	
Gas makers.....	M	m	75.00	40.00		12	84	n	n	
Laborers.....	M	d	1.75	1.00	1.00	10	60	n	n	
Yardman.....	M	h	.174	.154		10	60	n	n	
<i>Lumber Mfg.—</i>										
Filers.....	M	d	4.00	3.00		10	60	none	none	
Laborers.....	M	d	2.00	1.75	1.50	10	59	none	none	
Millwright.....	M	d	2.00			10	60	none	none	
Sawyers.....	M	d	2.50	4.50		10	60	none	none	
Setters.....	M	d	2.25			10	60	none	none	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

DES MOINES COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Office Desks Mfg.—</i>										
Cabinet makers	M	d	5.00		2.00	10	50	n	n	
Finishers	M	h	19	15	10	50	15%			
Lumber handlers	M		18	16	10	50	20%			
Machine men	M	h	25	17	10	50	20%			
Packers	M	h	18	14	10	50	10%			
Rubbers	M	h	20	11	10	50	20%			
<i>Opera House—</i>										
Bill posters	M	m	50.00			n	n	n	n	
Business manager	M	m	80.00			n	n	n	n	
Carpenter	M	m	50.00			n	n	n	n	
Electrician	M	m	50.00			n	n	n	n	
Janitor	M	m	50.00			n	n	n	n	
Manager	M	m	150.00			n	n	n	n	
Secretary	F	m	75.00			n	n	n	n	
Stenographer	F	m	65.00			n	n	n	n	
<i>Plumbing and Heat-ing—</i>										
Apprentices	M	d	1.25		1.00	9	54	n	n	
Laborers and help-ers	M	d	2.00		1.75	9	54	n	n	
Plumbers and fitters	M	d	4.00	3.15	2.50	9	53	n	n	
<i>Printing and Binding—</i>										
Apprentices	M	w	6.00	4.00	3.00	10	50	n	n	
Compositors	M	w	17.00		14.00	9	54	10%		
Feeders	M	w	6.00		3.00	10	50	n	n	
Finishers	M	w	15.00		10	50	n	n	n	
Forwarders	M	w	11.00		6.00	10	50	n	n	
Pressmen	M	w	14.00		10	50	n	n	n	
Rulers	M	w	15.00		12.00	10	50	n	n	
Sewers and folders	F	w	7.00	6.00	5.00	10	50	n	n	
Shipping room	M	w	12.00			10	50	n	n	
<i>Printing and Publish-ing—</i>										
Advertising mgr.	M	w	22.00			9	54	10%		
Apprentice	M	w	10.00		8.00	8	48	10%		
Assistant	M	d	1.50		2	12	n	n		
Business manager	M	w	28.85			9	54	n	n	
Cashier	M	w	18.80			9	54	10%		
Clerks	F	w	8.50		7.50	9	54	12%		
Collector	M	w	8.00			9	54	n	n	
Editors	M	w	25.00	18.00	10.00	8	48	5%		
Editors	M	d	5.00			8	48	n	n	
Foremen	M	w	20.00		10.00	8	48	5%		
Janitor	M	w	7.00			8	48	10%		
Mailing clerk	M	w	15.00			8	48	10%		
Machinist	M	w	16.50			8	48	n	n	
Messenger	M	w	3.00			8	48	n	n	
Pressman	M	w	20.00			8	48	n	n	
Printers	M	w	19.00			8	48	n	n	
Stenographer	F	w	8.00			9	54	15%		
Stenographers	M	w	9.00		6.00	8	48	n	n	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

DES MOINES COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Railway Repair Shops—</i>										
Boilermakers	M	d	3.00	2.50	2.00	10	60	17%		
Boilermakers' app.	M	d	1.50	1.00	.75	10	60	23%		
Boilermakers' help.	M	d	2.00	1.75	1.50	10	60	10%		
Blacksmiths	M	d	3.20	2.60	2.25	10	60	12%		
Blacksmiths' helpers	M	d	1.75		1.65	10	60	6%		
Freight car carpenters	M	d	3.00	2.00	1.75	10	60	12%		
Freight car trucksmiths	M	d	1.75	1.60	1.50	10	60	6%		
Janitor	F	d	.50			10	60	n	n	
Laborers	M	d	1.60	1.50	.75	10	60	12%		
Machinists	M	d	3.00	2.50	2.00	10	60	11%		
Machinists' appren.	M	d	1.75	1.25	.75	10	60	20%		
Machinists' helpers	M	d	1.85	1.60	1.40	10	60	10%		
Painters	M	d	2.40	2.00	1.50	10	60	n	n	
Patternmakers	M	d	2.75		2.50	10	60	n	n	
Patternmakers' app.	M	d	1.75			10	60	16%		
Patternmakers' help	M	d	2.00			10	60	n	n	
Stationary engineer	M	d	2.15			10	60	n	n	
Stationary firemen	M	d	1.70		1.60	10	60	6%		
Thsmiths	M	d	5.00	2.75	2.00	10	60	n	n	
Thsmiths' appren.	M	d	1.50			10	60	n	n	
Upholsterer	M	d	2.50			10	60	n	n	
Watchman	M	d	1.60		1.50	10	60	n	n	
Woodworkers	M	d	2.25	2.00	1.50	10	60	n	n	
Woodworkers' help.	M	d	1.60	1.50	1.25	10	60	21%		
<i>Sleigh Bells, Mfg.—</i>										
Finisher	M	d	1.25			9	54	10%		
Grinders	M	d	1.83			9	54	10%		
Moulders	M	d	1.83			9	54	10%		
<i>Soap Mfg.—</i>										
Clerks	M	w	12.00	10.50	9.00	9	54	none	none	
Factory hands	M	d	1.83	1.75	1.50	9	54	none	none	
Factory hands	F	d	.75	.65	.60	9	54	none	none	
Soap makers	M	w	20.00	17.00	14.00	9	54	none	none	
Soap cutters	M	d	1.50			9	54	none	none	
Soap pressers	M	w	12.00			9	54	none	none	
Soap wrappers	F	w	5.00			9	54	none	none	
Soap boxers	F	w	4.00			9	54	none	none	
<i>Telegraph—</i>										
Clerks	M	m	20.00			10	60	none	none	
Manager	M	m	15.00			10	60	none	none	
Messengers	M	m	15.00			10	60	none	none	
Operators	M	m	55.75			9	54	none	none	
DUBUQUE COUNTY.										
<i>Boats and Boilers, Mfg.</i>										
Laborers	M	h	.174	.15	.124	10	60	none	none	
Machinists	M	h	.30	.25	.20	10	60	none	none	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

DUBUQUE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905	
			Highest Rate	Medium Rate	Lowest Rate	Hrs. per Day	Hrs. per Wk	Increase	Decrease
<i>Boats Repaired and Mfg.</i>									
Blacksmiths.....	M	d	2.50			10	60	n	n
Carpenters.....	M	d	2.75	2.50	2.00	10	60	n	n
Caulkers.....	M	d	2.50			10	60	n	n
Laborers.....	M	d	1.75	1.50	1.00	10	60	n	n
Painters.....	M	d	2.25	2.00	1.75	10	60	n	n
<i>Boiler and Metal Wks.</i>									
Boilermakers.....	M	d	3.50	2.50	2.00	10	60	n	n
General help.....	M	d	1.60	1.35	1.00	10	60	n	n
<i>Brewery—</i>									
Bottlers.....	M	d	2.25	1.60	.75	10	60	none	none
Bottlers.....	F	d	1.45	.75	.60	10	60	none	none
Coopers.....	M	w	15.00			10	60	none	none
Drivers, city.....	M	w	13.00			10	60	none	none
Drivers, country.....	M	w	14.00			10	60	none	none
Engineers.....	M	w	18.00			12	84	none	none
Firemen.....	M	w	16.00			12	84	none	none
Wash house.....	M	w	13.00			10	60	none	none
Yardmen.....	M	w	12.00			10	60	none	none
<i>Broom Factory—</i>									
Broommakers.....	M	w	10.00	14.00	10.00	10	60	none	none
Sorters.....	M	w	4.00			10	60	none	none
Sorters.....	F	w	5.00			10	60	none	none
<i>Carriages and Wagons, Mfg.—</i>									
Blacksmiths.....	M	d	3.50	1.75	1.50	10	60	none	none
Painters.....	M	d	2.50	2.25	1.00	10	60	none	none
Trimmers.....	M	d	2.75	2.25	2.00	10	60	none	none
Woodworkers.....	M	d	3.00	2.00	1.75	10	60	none	none
<i>Caskets, Mfg.—</i>									
Casket makers.....	M	w	16.00	13.00	10.00	10	60	n	n
Casket trimmers.....	M	w	16.50	12.00	3.00	10	60	n	n
Machine workers.....	M	w	20.00	12.00	8.00	10	60	n	n
Robe and lining makers.....	F	w	10.00	5.00	3.00	10	60	n	n
<i>Church Furniture Mfg.</i>									
Carpenters.....	M	d	2.90	2.60	1.75	10	60	10%	
Machine men.....	M	d	2.50	2.15	1.75	10	60	10%	
Painters.....	M	d	2.25		2.00	10	60	10%	
Statuary men.....	M	d	3.00		1.25	10	60	10%	
<i>Cigar Factory—</i>									
Bunch makers.....	F	d	1.40	1.00	.60	10	60	n	n
Packers.....	F	d	1.50			10	60	n	n
Rollers.....	F	d	1.75	1.00	.25	10	60	n	n
Strippers.....	F	d	.60	.40	.20	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

DUBUQUE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905	
			Highest Rate	Medium Rate	Lowest Rate	Hrs. per Day	Hrs. per Wk	Increase	Decrease
<i>Electric Light, Street Railway—</i>									
Carpenter.....	M	m	75.00			10	70	n	n
Car repairers.....	M	m	55.00	50.00		10	70	n	n
Conductors.....	M	h	18		15	11	77	n	n
Engineers.....	M	m	125.00	75.00	60.00	8	56	n	n
Fireman.....	M	m	57.50			8	56	n	n
Foremen, barn.....	M	m	75.00	60.00	50.00	10	70	n	n
Foremen, track.....	M	m	75.00			10	60	n	n
Helpers.....	M	d	1.75			8	56	n	n
Linemen.....	M	h	27.5		15	10	60	n	n
Metormen.....	M	h	22.5		20	10	60	n	n
Motor men.....	M	h	18		15	11	77	n	n
Painter.....	M	m	75.00			10	70	n	n
Park tender.....	M	m	40.00			12	84	n	n
Trimmers.....	M	m	55.00			10	60	n	n
Trackmen.....	M	h	17.5		15	10	60	n	n
Wiremen.....	M	h	25		15	10	60	n	n
<i>Excelsior, Mfg.—</i>									
Bookkeeper.....	F	w	10.00		7.00	10	60	n	n
Engineer.....	M	d	3.50			10	60	n	n
Helpers.....	M	d	1.66		1.50	10	60	n	n
Machine men.....	M	d	3.00	1.75		10	60	n	n
Shipping clerk.....	M	d	1.66		1.30	10	60	n	n
Watchman.....	M	w	10.00			10	60	n	n
<i>Freight and Transfer—</i>									
Laborers.....	M	w	9.00			10	60	n	n
Teamsters.....	M	w	11.00			10	60	n	n
<i>Furniture, Mfg.—</i>									
Cabinet makers.....	M	w	13.50			10	60	54	
Engineers.....	M	w	12.00			10	60	n	n
Finishers.....	M	w	11.00			10	60	n	n
Helpers.....	M	w	8.00			10	60	n	n
Planers.....	M	w	11.00			10	60	95	
Sawyers.....	M	w	11.00			10	60	n	n
Teamster.....	M	w	10.00			10	60	n	n
Wood turners.....	M	w	12.00			10	60	n	n
<i>Garment Factory and Wholesale Dry Goods—</i>									
Bill clerk.....	M	w	25.00			10	60	n	n
Bookkeepers.....	M	w	18.00	11.00	8.00	10	60	n	n
Buyer.....	M	w	75.00			10	60	n	n
Calling clerk.....	M	w	17.00			10	60	n	n
Credit man.....	M	m	166.67			10	60	n	n
Cutters.....	M	w	14.00	10.00	6.00	10	60	n	n
Forewomen.....	F	w	10.00			10	60	n	n
Machinists.....	M	w	12.00			10	60	n	n
Order clerks.....	M	w	5.00	10.00	5.00	10	60	n	n
Packers and porters.....	M	w	10.00			10	60	n	n
Presser.....	M	w	12.00	9.00	6.00	10	60	n	n
Receiving clerk.....	M	w	10.00			10	60	n	n
Salesman.....	M	m	83.33			10	60	n	n
Sample clerk.....	M	m	83.33			10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

DUBUQUE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Garment Factory, Con.</i>										
Sewing machine operators.....	F	w	12.16	7.50	6.75	10	55	n	n	
Stenographer.....	M	w	11.00			10	60	n	n	
Supt. factory.....	M	m	265.00			10	60	10½		
Traveling salesmen.....	M	m	400.00	165.00	75.00	n	n	6½		
Trimmers.....	F	w	4.00	2.48	.95	10	35	n	n	
Watchman.....	M	w	12.00			12	84	20½		
<i>Hotel Registers Mfg.—</i>										
Bindery girls.....	F	w	6.00		5.00	8½	51	n	n	
Bookbinders.....	M	w	17.00			8½	51	n	n	
Bookbinders' apprentices.....	M	w	6.00	5.50	5.00	8½	51	20½		
Compositors.....	M	w	15.00	10.00	9.00	8½	51	n	n	
Pressfeeders.....	M	w	9.00	8.75	8.50	8½	51	6½		
Pressfeeders.....	M	w	4.50	4.00	3.50	8½	51	30½		
<i>Ladies' and Gents' Furnishings—</i>										
Clerks.....	M	w	15.00	10.00	3.00	9	57	none	none	
Clerks.....	F	w	7.50	4.50	3.00	9	57	none	none	
<i>Machine Shop and Mfg.—</i>										
Blacksmith.....	M	d	2.50		2.00	10	60	n	n	
Engineer.....	M	d	2.00			10	60	n	n	
Grinders and polishers.....	M	d	1.75	1.25	1.00	10	60	n	n	
Handy man.....	M	d	2.75			10	60	n	n	
Laborers.....	M	d	1.50			10	60	n	n	
Machinists.....	M	d	3.00	2.50	2.00	10	60	n	n	
Moulders.....	M	d	3.00	2.50	2.00	10	60	n	n	
Packers.....	M	d	1.75		1.00	10	60	n	n	
Pattern makers.....	M	d	2.35	2.00	1.25	10	60	n	n	
<i>Mercantile Agency—</i>										
Clerks.....	M	m	134.00	65.00	10.00	9	50	10½		
Clerks.....	F	m	40.00	35.00	20.00	9	50	10½		
<i>Packing House Products—</i>										
Clerks.....	M	w	12.00			10	60	n	n	
Manager.....	M	w	21.00			10	60	n	n	
Teamster.....	M	w	14.00			10	60	n	n	
<i>* Pork Packing House—</i>										
Slaughtering dept....	M	w	14.00	12.00	10.50	10	60	10½		
Sausage dept.....	M	w	15.00	12.00	10.00	10	60	n	n	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

DUBUQUE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Printing and Publish-ing—</i>										
Bookkeeper.....	M	w	22.50	10.00	7.00	10	80	none	none	
Carrier boys.....	M	w	1.25			11	104	none	none	
Compositors.....	M	w	25.00	10.00	6.00	10	60	none	none	
Makeup-men.....	M	w	15.00	10.00	5.00	8½	51	none	none	
Pressfeeders.....	M	w	12.00			8½	51	none	none	
Pressmen.....	F	w	10.00	8.00	7.50	8½	51	none	none	
Stenographers.....	F	w	15.00	10.00	9.00	8½	51	none	none	
Stereotypers.....	M	w	10.00			8½	51	none	none	
Stockman.....	M	w	16.00			8½	51	none	none	
Superintendent.....	M	w	16.00			8½	51	none	none	
<i>Printing and Publish-ing—</i>										
Clerks.....	M	w	17.50			8½	51	n	n	
Clerks.....	F	w				8½	51	none	none	
Mailing dept.....	M	w	14.00		3.00	8	48	n	n	
Pressmen.....	M	w	18.00		5.00	9	54	n	n	
Reporters.....	M	w	16.00		7.00	8	48	n	n	
Solicitors.....	M	w	20.00		7.50	9	54	n	n	
Type machine oper-ator.....	M	w	18.00		16.00	8	48	n	n	
Type setters.....	M	w	16.00			8	48	n	n	
Type setters.....	F	w	5.50			8	48	n	n	
<i>Railway Repair Shops—</i>										
Blacksmiths.....	M	h	.36	.30	.22	10	60	n	n	
Blacksmiths' help-ers.....	M	h	.20	.19	.15	10	60	n	n	
Boilermakers.....	M	h	.37	.35	.27	10	60	n	n	
Boilermakers' help-ers.....	M	h	.21	.18	.16	10	60	n	n	
Clerks.....	M	m	60.00	50.00	40.00	10	60	n	n	
Coppersmith.....	M	h	.21		.18	10	60	n	n	
Carpenter.....	M	h	.27	.21	.18	10	60	n	n	
Carmith.....	M	h	.18	.17	.15	10	60	n	n	
Foreman.....	M	m	140.00	110.00	50.00	10	60	n	n	
Laborers.....	M	h	.16	.15	.12½	10	60	n	n	
Machinists.....	M	h	.36	.34	.25	10	60	n	n	
Machinists' helpers.....	M	h	.22	.19	.16	10	60	n	n	
Machinists' appre-ntice.....	M	h	.20		.08	10	60	n	n	
Machine hands.....	M	h	.25	.21	.18	10	60	n	n	
Machine helpers.....	M	h	.18	.17	.16	10	60	n	n	
Steamfitters.....	M	h	.31		.25	10	60	n	n	
Steamfitters' help-ers.....	M	h	.20	.18	.16	10	60	n	n	
Stenographer.....	F	m	45.00			10	60	n	n	
Stationary engineer.....	M	h	.20		.15	10	60	n	n	
Stationary fireman.....	M	h	.16			10	60	n	n	
Tinsmith.....	M	h	.22	.27	.22	10	60	n	n	
Painters.....	M	h	.25	.22	.18	10	60	n	n	
Painters' helpers.....	M	h	.17	.16	.15	10	60	n	n	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

DUBUQUE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905.		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per Wk	In-crease	De-crease	
<i>Sawmill—</i>										
Blacksmith.....	M	d	2.50			10	60	10%		
Band mill hands.....	M	d	5.00	2.65	1.75	10	60	10%		
Carpenters.....	M	d	3.50			10	60	10%		
Edgerman.....	M	d	2.75		2.65	10	60	10%		
Fliers.....	M	d	3.18	1.45	.85	10	63	10%		
Gang sawyers.....	M	d	2.00		1.75	10	60	10%		
Logmen.....	M	d	2.42	2.15	1.75	10	60	10%		
Planing mill.....	M	d	2.05	1.65	1.00	10	60	10%		
Shingle and lath men.....	M	d	3.50	2.25	1.50	10	60	10%		
Sorting chainmen.....	M	d	1.95	1.75	1.60	10	60	10%		
Sorters.....	M	d	1.75		1.60	10	60	10%		
Teamsters.....	M	w	11.00			10	60	10%		
<i>Soap & Washing Com- punds Mfg.—</i>										
Engineer.....	M	w	13.50			10	60	none	none	
Laborers.....	M	h	175	.15	.14	10	60	n	n	
Teamster.....	M	w	11.00			10	60	n	n	
Wrappers.....	F	d	.75		.65	9	54	n	n	
<i>Spring Beds and Mat- tresses—</i>										
Laborers.....	M	d	1.75	1.35	.75	10	60	n	n	
Mattress makers.....	M	d	2.25	1.50	1.25	10	60	n	n	
Sewing machine op- erators.....	F	d	1.25	1.00	.60	8	48	n	n	
<i>Turbine Roller Mills Mfg.—</i>										
Machinists.....	M	h	.28	.22	.20	10	60	none	none	
Machinists' helpers.....	M	h	.15		.125	10	60	none	none	
Woodworkers.....	M	h	.275	.225	.20	10	60	none	none	
<i>Wholesale Biscuit and Crackers—</i>										
Cashier.....	M	w	14.00			10	60	n	n	
Clerk.....	F	w	4.00			10	60	n	n	
Drivers.....	M	w	7.00			10	60	n	n	
Sales agent.....	M	w	115.00			10	60	n	n	
<i>Wholesale Coffee and Spices—</i>										
Coffee roasters.....	M	w	13.00	10.00	9.00	10	59	none	none	
Packers.....	M	w	10.00	8.00	4.50	10	59	n	n	
Packers.....	F	w	6.00		.50	9	56	n	n	
Shipping clerk.....	M	w	12.00			10	59	n	n	
Teamster.....	M	w	11.00			10	59	n	n	
<i>Wholesale Teas and Cigars—</i>										
Bookkeeper.....	M	w	12.00			n	n	n	n	
Salesmen.....	M	w	100.00		60.00	n	n	n	n	
Shipping clerk.....	M	w	6.50			n	n	n	n	
<i>Wire and Machine Wks.</i>										
Helpers.....	M	d	1.50	.75	.50	10	57	n	n	
Machinists.....	M	d	2.75			10	57	n	n	
Wireworkers.....	M	d	2.50	2.25	2.00	10	57	n	n	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

FAYETTE COUNTY.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per Wk	In-crease	De-crease	
<i>Cigars, Tobacco, Mfg.—</i>										
Bunch makers.....	F	w	6.00	.....	.....	10	60	n	n
Cigar makers.....	M	w	3.00	.....	.....	10	60	n	n
Roller.....	F	w	8.00	.....	.....	10	60	n	n
Stripper.....	F	w	1.00	.....	.....	10	60	n	n
<i>Foundry, Iron and Brass—</i>										
Cupola tender.....	M	d	2.50	.....	.....	10	60	n	n
Furnace tender.....	M	d	2.00	.....	.....	10	60	n	n
Laborers.....	M	d	1.75	.....	.....	10	60	n	n
Moulders.....	M	d	2.00	.....	.....	10	60	n	n
Moulders' appren.....	M	d	2.00	.....	1.00	10	60	n	n
<i>Agricultural Machinery Mfg.—</i>										
Blacksmith.....	M	d	1.75	.....	.....	10	60	n	n
Cone maker.....	M	d	1.25	.....	1.00	10	60	n	n
Foreman.....	M	d	2.00	.....	.....	10	60	n	n
Machinists.....	M	d	1.75	.....	.....	10	60	n	n
Moulders.....	M	d	1.50	.....	.....	10	60	n	n
Laborers.....	M	d	1.50	1.35	1.25	10	60	n	n	
Painters.....	M	d	1.50	.....	.....	10	60	n	n
Woodworkers.....	M	d	1.50	.....	.....	10	60	n	n
<i>Brick and Tile Mfg.—</i>										
Burners.....	M	d	1.25	.....	1.25	12	72	none	none
Common laborers.....	M	d	1.50	.....	1.25	10	60	none	none
Engineers.....	M	d	1.50	.....	.....	10	60	none	none

FLOYD COUNTY.

<i>Gasoline Engines, Mfg.—</i>									
Machinists.....	M	h	.25	.20	.10	10	50	5%	
Moulders.....	M	h	.40	.18	.10	10	50	5%	
Office help.....	M	w	166.67	.....	.....	10	50	n	n
Office help.....	F	w	12.00	.....	7.00	10	50	n	n
Woodworkers.....	M	h	.25	.....	1.15	10	50	5%	

GRUNDY COUNTY.

<i>Brick and Tile Mfg.—</i>									
Brick wheelers.....	M	d	1.75	.....	1.50	10	60	n	n
Burners.....	M	m	60.00	.....	.....	12	84	n	n
Clay haulers.....	M	d	1.75	.....	1.50	10	60	n	n
Elevator boy.....	M	d	1.00	.....	.....	10	60	n	n
Engineer.....	M	d	2.50	.....	.....	10	60	n	n
Kiln Foreman.....	M	d	2.50	.....	.....	10	60	n	n
Mason tenders.....	M	d	1.75	.....	1.65	10	60	n	n
Pressman.....	M	d	1.75	.....	.....	10	60	n	n
Setters.....	M	d	1.75	.....	.....	10	60	n	n
Teamsters.....	M	d	55.00	.....	.....	10	60	n	n
Setters.....	M	d	1.75	.....	1.50	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905-CONTINUED.

HAMILTON COUNTY.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			Highest Rate	Medium Rate	Lowest Rate	Hrs. per Day	Hrs. per W'k	Increase	Decrease	
<i>Brick and Tile Mfg.—</i>										
Engineer and burner	M	d	1.75			10	70	none	none	
Teamster	M	m	40.00			10	60	none	none	
Regular men	M	m	1.50			10	60	none	none	
<i>Contracting—</i>										
Brickmasons	M	h	.75	.70	.60	8	48	5%		
Carpenters	M	h	.45	.40	.30	8	48	5%		
Laborers	M	h	.30	.22½	.17½	9	54	5%		
Painters	M	h	.35	.30	.27½	8	48	5%		
Plasterers	M	h	.62½	.50	.40	8	48	5%		
<i>Felt Shoes Mfg.—</i>										
Bookkeeper	M	m	50.00			10	60	n	n	
Manager	M	m	75.00			10	60	n	n	
Salesmen	M	m	75.00			10	60	n	n	
Superintendent	M	w	20.00			10	60	n	n	
<i>Telephone Exchange—</i>										
Manager	M	m	80.00			10	60	n	n	
Inspectors	M	m	60.00			10	60	n	n	
Operators	F	m	30.00			9	54	n	n	
Superintendent	M	m	60.00			10	60	n	n	
<i>Threshers Screens Mfg.</i>										
Machine dept.	M	h	.25	.23	.20	10	60	n	n	
Metalworkers	M	h	.20	.16	.13	10	60	n	n	
Pressworkers	M	h	.20	.16	.13	10	60	n	n	
Woodworkers	M	h	.30	.20	.15	10	60	n	n	

HARDIN COUNTY.

<i>Railroad Repair Shop—</i>									
Boiler maker	M	h	.34			9	54	3%	
Boiler washer	M	h	.15			10	60	n	n
Car repairers	M	h	.19			10	60	n	n
Coalmen	M	h	.15			12	84	n	n
Handyman	M	h	.22			10	70	n	n
Hostler	M	h	.15	.14	.12	12	84	n	n
Inspector and oiler	M	h	.20			10	60	n	n
<i>Railroad, Transportation—</i>									
Brakemen	M	m	50.00			10	n	n	n
Conductors	M	m	75.00			10	n	n	n
Engineers	M	h	.32			10	n	n	n
Firemen	M	h	.17			10	n	n	n
Laborers	M	h	.15			10	n	n	n
Section foremen	M	m	45.00			10	n	n	n
<i>Stock Remedies Mfg.—</i>									
Collector	M	m	150.00	120.00	100.00	n	n	n	n
Mixer	M	m	45.00			10	60	n	n
Helpers	M	m	40.00	35.00	30.00	10	60	n	n
Helpers	F	w	7.50	6.00	5.00	10	60	n	n
Salesmen	M	h	150.00			n	n	n	n
Stenographer	F	m	50.00			9	54	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905-CONTINUED.

HARRISON COUNTY.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905.		
			Highest Rate	Medium Rate	Lowest Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Electric Light and Milling—</i>										
Bookkeeper.....	F	m	35.00			11	66	n	n	
Engineer.....	M	m	50.00			n	n	n	n	
Fireman.....	M	m	40.00			10	70	n	n	
Miller and manager.....	M	m	55.00			11	66	n	n	
Miller.....	M	m	45.00			11	66	n	n	
Packer.....	M	m	40.00			11	66	n	n	
Teamster.....	M	m	50.00			11	66	n	n	
<i>Railroad Repair Shops—</i>										
Apprentices.....	M	h	.22	.16	.08	10	60	n	n	
Blacksmiths.....	M	h	.34	.23	.10	10	60	n	n	
Boilermakers.....	M	h	.34	.23	.10	10	60	n	n	
Carpenters.....	M	h	.25	.20	.10	10	60	n	n	
Car cleaners.....	M	h	.14			10	60	n	n	
Car repairers.....	M	h	.20			10	60	n	n	
Clerks.....	M	m	75.00	40.00	10.00	10	60	3%		
Foremen.....	M	m	100.00	95.00	55.00	10	60	n	n	
General foremen.....	M	m	125.00	100.00	60.00	10	60	n	n	
Handymen.....	M	h	.24	.19	.18	10	60	5%		
Helpers.....	M	h	.19	.17	.13	10	60	5%		
Laborers.....	M	h	.15	.14	.11	10	60	2%		
Machinists.....	M	h	.34	.33	.28	10	60	n	n	
Master mechanic.....	M	h	25.00			10	60	n	n	
Painters.....	M	h	.29			10	60	n	n	
Roundhouse laborers.....	M	h	.17	.15	.13	10	60	n	n	
Stationary firemen.....	M	m	50.00	40.00	10.00	10	60	n	n	
Storekeeper.....	M	m	110.00	70.00	10.00	10	60	n	n	
Tankmen.....	M	h	.18	.17	.10	10	60	n	n	
Timers.....	M	h	.32	.25	.10	10	60	n	n	
Truckmen.....	M	h	.19			10	60	n	n	
Watchmen.....	M	m	50.00	40.00	10.00	10	60	n	n	

JACKSON COUNTY.

<i>Brewery—</i>									
Barman	M	w	9.00			10	62	none	none
Bookkeeper	M	w	15.00			10	60	none	none
Brewmaster	M	w	25.00			10	60	none	none
Brewers	M	w	15.00			9	54	none	none
Drivers	M	w	10.00			10	60	none	none
Engineers	M	w	12.00			10	60	none	none
Soda-water bottlers	M	w	12.00			10	60	none	none
Superintendent	M	w	25.00	9.00		10	60	none	none
Washhousemen	M	w	10.00			10	60	none	none

JASPER COUNTY.

<i>Agricultural Implement Mfg.—</i>									
Blacksmiths	M	d	2.50	2.00	1.50	10	60	n	n
Machinists	M	d	4.00	2.25	1.50	10	60	n	n
Machine constructors	M	d	2.25	1.75	1.50	10	60	n	n
Mill workers	M	d	4.00	2.25	1.50	10	60	n	n
Miscellaneous help	M	d	1.75	1.63	1.65	10	60	n	n
Moulders	M	d	4.00	2.25	1.50	10	60	n	n
Painting	M	d	3.00	2.25	1.50	10	60	n	n
Patternmakers	M	d	3.50	2.25	1.50	10	60	n	n

n Not reported.

TWELFTH REPORT OF THE

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

JASPER COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dian Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Band Cutters and Self Feeders Mfg.—</i>										
Blacksmiths.....	M	d	2.50	2.00	1.67	10	60	10%	none	none
Common laborers.....	M	d	1.50	.....	.....	10	60	10%	.....	.....
Machinists.....	M	d	2.75	2.00	1.75	10	60	10%	.....	.....
Moulders.....	M	d	3.00	2.00	1.75	10	60	10%	.....	.....
Painters.....	M	d	2.50	2.00	1.50	10	60	10%	.....	.....
Woodworkers.....	M	d	2.50	2.00	1.67	10	60	10%	.....	.....
<i>Machine Shop and Planing Mill—</i>										
Blacksmiths.....	M	d	2.25	.....	2.00	10	59	n	n	n
Engineer.....	M	d	1.50	.....	.....	10	59	n	n	n
Helper.....	M	d	1.25	.....	.....	10	59	n	n	n
Machinists.....	M	d	2.25	.....	2.00	10	59	n	n	n
Moulders.....	M	d	2.50	.....	2.00	10	60	n	n	n
Patternmakers.....	M	d	2.50	.....	.....	10	60	n	n	n
Painters.....	M	d	2.00	.....	.....	10	60	n	n	n
Woodworkers.....	M	d	2.50	2.25	2.00	10	59	n	n	n

JEFFERSON COUNTY.

<i>Brick and Tile Mfg.—</i>									
Laborers.....	M	d	1.50	.....	.....	10	60	none	none
<i>Cotton Mittens and Gloves Mfg.—</i>									
Cutter.....	M	w	14.00	.....	.....	9	54	25%	.....
Printer.....	M	w	8.50	.....	.....	9	54	15%	.....
Sewers.....	M	w	10.00	.....	1.50	9	54	n	n
<i>Rug Factory—</i>									
Cutter.....	M	w	9.00	.....	.....	10	60	none	none
Clipper.....	F	h	10	.....	.....	2	12	none	none
Weavers.....	F	w	7.00	.....	6.00	10	60	none	none

JOHNSON COUNTY.

<i>Brewery—</i>									
Brewery workmen.....	M	w	18.00	.....	.....	10	60	n	n
Bottlers.....	M	w	18.00	.....	.....	10	60	n	n
<i>Foundry, Machine Shop and Planing Mill—</i>									
Machinists.....	M	d	2.50	2.00	1.75	10	60	12½%	.....
Moulders.....	M	d	2.50	2.25	1.75	10	60	12½%	.....
Moulders' appren.....	M	d	1.50	.....	1.00	10	60	none	none
Patternmakers.....	M	d	2.50	.....	.....	10	60	none	none
Woodworkers.....	M	d	2.00	.....	.....	10	60	12½%	.....

n Not reported.

BUREAU OF LABOR STATISTICS

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

JOHNSON COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Gasoline Engines and Feedmill Mfg.—</i>										
Blacksmiths.....	M	w	\$16.50	\$.....	\$ 9.00	9	57	n	n	
Carpenters.....	M	w	17.00	.....	12.00	9	57	n	n
Engineers.....	M	w	19.50	.....	12.00	9	57	n	n
Helpers.....	M	w	11.00	.....	7.50	9	57	n	n
Machinists.....	M	w	18.00	.....	12.00	9	57	n	n
Moulders.....	M	w	18.00	.....	15.00	9	57	n	n
Night watch.....	M	w	12.00	.....	10.00	9	57	n	n
Office men.....	M	m	150.00	87.00	23.00	8	48	n	n	
Traveling salesmen.....	M	m	100.00	77.14	50.00	8	48	n	n	
<i>Gloves and Mittens Mfg.—</i>										
Glove cutters.....	M	w	9.00	8.54	7.50	9	54	none	none	
Laying off gloves.....	M	w	16.27	.....	.....	9	54	none	none
Sewing gloves.....	M	w	12.58	8.90	6.75	9	54	none	none	
<i>Jewelry and Shoeboxes Mfg.—</i>										
Finishers.....	M	h	.25	.20	.15	9	45	12½		
Jewelers.....	M	h	.45	.20	.10	9	45	12½		
Jewelers.....	F	h	.15	.10	.06	9	45	12½		
Woodworkers.....	M	h	.25	.20	.15	9	45	12½		
<i>Printing (Job)</i>										
Factory.....	M	w	12.00	.....	11.00	9	52	9	
Factory.....	F	w	4.25	.....	3.75	9	52	15	
Pressman.....	M	w	11.00	.....	10.00	9	52	11½	
Printers.....	M	w	15.50	.....	14.00	9	52	10½	
<i>Printing and Publishing—</i>										
Linotype operator.....	F	w	18.00	.....	.....	8	48	n	n
Pressman.....	M	w	10.00	.....	7.00	9	54	n	n
Printers.....	M	w	16.00	.....	.....	9	54	n	n
Reporters.....	M	w	15.00	.....	10.00	9	54	n	n

JONES COUNTY.

<i>Feather and Wool Dusters Mfg.—</i>									
Bunchers.....	F	w	\$ 5.50	\$ 4.75	\$ 4.00	10	59	none	none
Sizers.....	F	w	6.50	5.25	4.00	10	59	none	none
Sorters.....	F	w	5.00	4.25	3.50	10	59	none	none
Splitters.....	F	w	7.00	5.50	4.00	10	59	none	none
Trimmers.....	F	w	12.00	10.50	9.00	10	59	none	none
Winders.....	M	w	12.00	9.00	7.00	10	59	none	none
<i>School Supplies Mfg.—</i>									
Foundry dept.....	M	w	12.00	10.00	8.50	9½	57	n	n
Printing dept.....	M	w	28.00	13.00	4.50	9	54	n	n
Printing dept.....	F	w	6.00	5.19	4.50	9	54	n	n
Printing dept.....	F	w	15.00	9.00	5.00	9½	57	n	n
Woodworking dept.....	M	w	.....	.....	.....	.....	.....	.....	.....

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

JONES COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905	
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease
<i>Stone Quarrying—</i>									
Blacksmith.....	M	h	\$.27½	\$.....	\$.....	10	59	n	n
Foreman.....	M	h	.27½	.224	.29	10	59	n	n
Laborers.....	M	h	.21			10	59	n	n
Waterboy.....	M	h	.10						
<i>Stone Quarrying—</i>									
Quarrymen.....	M	d	3.00	2.00	1.25	10	60	none	none

LEE COUNTY.

Beers, Wines and Liquors (Jobbers)

Bookkeeper.....	M	m	60.00			9	54	none	none
Collector.....	M	m	50.00			9	54	none	none
Drivers.....	M	m	45.00			9	54	none	none

Blasting Powder Mfg.—

Laborers.....	M	d	1.65	2.50	2.17	10	60	n	n
Powdermen.....	M	d	3.00			10	60	n	n
Steam engineers.....	M	d	2.50			10	60	h	n

Boxes Mfg.—

Cutters.....	M	d	1.60			10	60	n	n
Engineer.....	M	d	2.50			10	60	n	n
Filer.....	M	d	2.25			10	60	n	n
Nailers.....	M	d	1.50			10	60	n	n
Rippers.....	M	d	1.75			10	60	n	n
Tallers.....	M	d	1.00		.60	10	60	n	n

Buggy Shafts and Poles Mfg.—

Foremen.....	M	h	.25		.224	10	60	54	n
Laborers.....	M	h	.15			10	60	n	n
Machine hands.....	M	h	.24		.174	10	60	54	n

Cigars Mfg.—

Cigar makers.....	M	w	25.00			8	48	n	n
Strippers.....	F	w	2.00			8	48	n	n

Foundry—

Coreroom men.....	M	h	.27½	.15	.07	10	60	n	n
Foundry hands.....	M	h	.15	.14	.134	10	60	n	n
Moulding.....	M	h	.27½	.224	.07	10	60	n	n
Patternmakers.....	M	h	.27½		.15	10	60	n	n

Foundry and Machine Shop—

Helpers.....	M	d	1.50			10	60	n	n
Machinists.....	M	h	.34	.27½	.224	10	60	n	n
Moulders.....	M	d	3.00	2.50	2.00	10	60	n	n
Patternmakers.....	M	d	3.17		3.00	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

LEE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905.		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Gas Heat and Light—</i>										
Firemen.....	M	d	\$ 1.50	\$.....	\$.....	12	84	n	n	
Foreman.....	M	h	.30			10	60	n	n	
Gas fitters.....	M	h	.23	.224	.174	10	60	n	n	
Gas makers.....	M	d	2.16		1.50	12	84	n	n	
Helpers.....	M	h	.15			10	60	n	n	
Laborers.....	M	h	.174		.15	10	60	n	n	
<i>Hardware Specialties Mfg.—</i>										
Bricklayers.....	M	d	5.00			n	n	n	n	
General workmen.....	M	w	10.00			n	n	n	n	
Helpers.....	M	w	5.00			n	n	n	n	
Stenographer.....	F	d	2.00			n	n	n	n	
Timers.....	M	d	2.50	2.25	2.00	n	n	n	n	
<i>Hotel—</i>										
Bookkeeper.....	M	m	50.00			12	72	none	none	
Clerk, day.....	M	m	25.00			12	84	none	none	
Clerk, night.....	M	m	20.00			12	84	none	none	
Chambermaid.....	F	w	3.00			9	60	none	none	
Cook.....	F	w	9.00		3.00	10	70	304	none	
Dishwasher.....	F	w	2.50			10	70	none	none	
Porter.....	M	m	35.00			12	84	none	none	
Waiters.....	F	w	3.50		3.00	12	84	164	none	
<i>Laundry—</i>										
Laundry workers.....	M	w	9.00	7.50	4.00	10	60	n	n	
Laundry workers.....	F	w	5.00	4.00	3.00	9	54	n	n	
<i>Lumber, Sash, Doors and Boxes Mfg.—</i>										
Box dept.....	M	h	.50	.15	.05	10	60	none	none	
Planing mill hands.....	F	h	.64		.05	10	60	none	none	
Sawmill hands.....	M	h	.50	.20	.10	10	60	none	none	
Shingle mill hands.....	M	h	.35	.20	.05	10	60	none	none	
<i>Paper, Wrapping and Building Mfg.—</i>										
Beater tender.....	M	d	1.75		1.60	12	72	none	none	
Bleachman.....	M	d	2.00			10	60	none	none	
Cutter girls.....	F	d	1.00			10	60	none	none	
Engineer.....	M	d	2.60			12	72	none	none	
Firemen.....	M	d	1.60		1.50	10	60	none	none	
Finishers.....	M	d	1.50			10	60	none	none	
Lever boy.....	M	d	1.00			10	60	none	none	
Machine hands.....	M	d	2.50		1.25	10	60	none	none	
Millwright men.....	M	d	2.60			10	60	none	none	
Roundabouts.....	M	d	1.50			10	60	none	none	
Tanner.....	M	d	1.50			10	60	none	none	
Yardmen.....	M	d	1.50			10	60	none	none	
Yard boss.....	M	d	2.00			10	60	none	none	

*In addition to compensation all employees are allowed board and room.
n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

LEE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Sash, Doors, etc., Mfg.—</i>										
Benchmen.....	M	h	\$.25	.....	\$ .20	10	60	n	n
Drivers.....	M	h	.15	.....	.....	10	60	n	n
Finishers.....	M	h	.20	.....	.....	10	60	n	n
Helpers.....	M	h	.10	.....	.....	10	60	n	n
Machine men.....	M	h	.25	.....	.20	10	60	n	n
Teamsters.....	M	h	.35	.....	.....	10	60	n	n
Yardmen.....	M	h	.20	.....	.15	10	60	n	n
<i>Sash, Doors, Etc., Mfg.—</i>										
Box department.....	M	d	1.67	.....	.75	10	60	8%	n
Carving department.....	M	d	2.50	.....	.....	10	60	n	n
Cutting department.....	M	d	3.00	1.25	.75	10	60	n	n	
Engineer.....	M	d	2.50	.....	.....	10	60	n	n
Factory hands.....	M	d	2.75	1.75	.83	10	60	6%	n	
Filers.....	M	d	2.50	2.25	1.50	10	60	1%	n	
Finishers.....	M	d	2.50	.....	.....	10	60	1%	n
Glazing dept.....	M	d	2.00	.....	.83	10	60	1%	n
Planing dept.....	M	d	2.25	1.35	.75	10	60	n	n	
Shipping dept.....	M	d	1.75	.....	1.50	10	60	n	n
Turning dept.....	M	d	3.00	2.75	1.50	10	60	n	n	
Yardmen.....	M	d	1.65	.....	1.50	10	60	n	n
<i>Sawmill—</i>										
Engineers.....	M	d	3.00	.....	.....	10	60	n	n
Filers.....	M	d	7.00	.....	.15	10	60	n	n
Foreman.....	M	w	25.00	.....	.....	10	60	n	n
Laborers.....	M	d	2.50	.....	1.50	10	60	n	n
Sawyers.....	M	d	6.00	.....	.....	10	60	n	n
<i>Starch Mfg.—</i>										
Electrician.....	M	h	.25	.....	.....	10	60	none	none
Foreman.....	M	h	.20	.17	.15	10	60	none	none	
Laborers.....	M	h	.175	.....	.15	10	60	none	none
Machinists.....	M	h	.225	.....	.....	10	60	none	none
Machine operators.....	M	h	.12	.....	.10	10	60	none	none
Milwrights.....	M	h	.20	.275	.25	10	60	none	none	
Packers.....	F	h	.09	.075	.06	10	60	none	none	
Pipetitters.....	M	h	.215	.....	.185	10	60	none	none
<i>Store Fixtures Mfg.—</i>										
Bill clerk.....	F	w	4.50	.....	.....	8	48	12%	n
Foremen.....	M	w	15.00	.....	13.50	10	60	6%	n
Ironworkers.....	M	w	12.75	.....	12.00	10	60	6%	n
Painters.....	M	w	11.25	.....	10.50	10	60	7%	n
Shipping clerk.....	M	w	11.25	.....	10.50	10	60	7%	n
Stenographer.....	F	w	8.50	.....	8.00	8	48	6%	n
Woodworkers.....	M	w	10.50	.....	9.00	10	60	7%	n
Varnishers.....	M	w	11.25	.....	10.50	10	60	7%	n
<i>Wholesale Grocery—</i>										
Porters.....	M	w	10.00	9.00	7.00	10	60	none	none	
Stenographer.....	F	m	25.00	.....	.....	8	48	none	none
Teamsters.....	M	w	9.00	.....	.....	6	36	none	none
Traveling salesmen.....	M	m	110.00	75.00	50.00	n	n	none	none	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

LEE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
Wholesale Grocery—										
Packers	F	w	\$ 6.00	\$ 5.00	\$ 4.00	9½	57	n	n	
Posters	F	w	12.00	9.00	6.00	10	60	n	n	
Salesmen	M	m	225.00	.....	40.00	n	n	n	n
Stenographer	F	w	12.00	8.00	4.50	7	42	n	n	
Teamsters	M	w	10.00	.....	6.00	10	60	n	n

LINN COUNTY.

<i>Bakery—</i>									
Bakers.....	M	d	\$ 2.10	.....	\$1.84	10	60	none	none
<i>Confectionery Mfg.—</i>									
Factory hands.....	M	w	30.00	15.00	4.50	10	59	none	none
Factory hands.....	M	w	9.00	6.00	3.00	10	59	none	none
Office help.....	M	w	10.00	.....	8.00	10	59	none	none
Office help.....	F	w	13.00	10.00	8.00	10	59	none	none
Shipping dept.....	M	w	10.00	8.00	6.00	10	59	none	none
Shipping dept.....	F	w	5.00	4.00	3.50	10	59	none	none
<i>Crackers and Biscuits Mfg.—</i>									
Bakers.....	M	h	.25	.15	.075	10	60	n	n
Office help.....	M	w	15.00	.....	12.00	10	60	n	n
Office help.....	F	w	8.50	.....	6.50	10	60	n	n
Packers.....	F	h	.12	.....	.07	10	60	n	n
Salesmen.....	M	m	102.00	80.00	70.00	n	n	n	n
Shipping dept.....	M	h	.17	.....	.15	10	60	n	n
<i>Electric Light, Power and Steam Heat- ing—</i>									
Coal heavers.....	M	m	40.00	.....	.....	n	n	n	n
Engineer.....	M	m	60.00	.....	.....	n	n	n	n
Firemen.....	M	m	50.00	.....	.....	n	n	n	n
Linemen.....	M	m	50.00	.....	.....	n	n	n	n
<i>Foundry and Machine Shop—</i>									
Boilermakers.....	M	d	2.75	2.50	2.00	10	60	n	n
Helpers.....	M	d	1.00	1.75	1.50	10	60	n	n
Machinists.....	M	d	2.50	2.25	2.00	10	60	n	n
Moulders.....	M	d	2.75	2.25	2.00	9	54	n	n
Pattermakers.....	M	d	2.75	.....	.....	10	60	n	n
<i>Foundry and Machine Shop—</i>									
Machinists.....	M	d	3.00	.....	2.50	10	59	n	n
Moulders.....	M	d	2.00	.....	1.50	9	54	n	n
Pattermakers.....	M	d	2.75	.....	.....	10	59	n	n
<i>Iron Pumps Mfg.—</i>									
Foundrymen.....	M	d	2.00	2.25	1.50	10	59	none	none
Machinists.....	M	d	3.50	2.00	1.50	10	59	none	none
Shipping dept.....	M	d	3.50	2.00	1.75	10	59	none	none

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

LINN COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Oil Pumps and Storage Outfits Mfg.—</i>										
Apprentices.....	M	d	\$.83	.....	\$ .50	n	n	n	n
Assemblers.....	M	d	1.66	.....	1.16	n	n	n	n
Machinists.....	M	d	2.00	.....	.....	n	n	n	n
Tinners.....	M	d	1.75	.....	.....	n	n	n	n
<i>Plumbing and Brass Goods Mfg.—</i>										
Brass finishers.....	M	h	.30	.13	.10	10	59	n	n	
Brass buffers.....	M	h	.25	.15	.10	10	59	n	n	
Brass polishers.....	M	h	.22	.15	.10	10	59	n	n	
Brass moulders.....	M	h	.30	.....	.174	10	59	n	n
Boys.....	M	h	.10	.05	.05	10	59	n	n	
Casemakers.....	F	h	.124	.10	.05	10	59	n	n	
Engineer.....	M	h	.20	.....	.....	10	59	n	n
Laborers.....	M	h	.15	.....	.....	10	59	n	n
Nickleplater.....	M	h	.20	.....	.....	10	59	n	u
<i>Pumps, Tanks and Supplies Mfg.—</i>										
Foundrymen.....	M	d	2.75	1.75	1.25	10	60	n	n	
Machinists.....	M	d	2.75	1.75	1.25	10	60	n	n	
Shipping dept.....	M	d	2.50	1.75	1.50	10	60	n	n	
<i>Packing House Products—</i>										
Bookkeeper.....	M	w	19.00	.....	.....	10	60	n	n
Manager.....	M	w	30.00	.....	19.00	10	60	n	n
Salesman and collector.....	M	w	16.00	.....	.....	10	60	n	n
Salesman.....	M	w	15.00	.....	.....	10	60	n	n
Shipping clerks.....	M	w	12.00	.....	12.00	10	60	n	n
<i>Railroad Repair Shops—</i>										
Blacksmiths.....	M	h	.35	.33	.30	9	54	3%	n	
Blacksmiths' help-ers.....	M	h	.19	.....	.18	9	54	n	n
Boilermakers.....	M	h	.34	.....	.....	9	54	3%	n
Boilermakers' help-ers.....	M	h	.19	.....	.....	9	54	n	n
Boiler shop hands.....	M	h	.31	.....	.....	9	54	n	n
Car repairers.....	M	h	.19	.....	.17	9	54	n	n
Coach cleaners.....	M	h	.18	.....	.164	10	60	n	n
Coal shovelers.....	M	h	.15	.....	.....	12	84	n	n
Car builders.....	M	h	.224	.....	.....	9	54	n	n
Handymen.....	M	h	.25	.....	.20	10	60	n	n
Hostlers.....	M	h	.15	.....	.....	12	84	n	n
Inspector and oiler.....	M	h	.20	.....	.....	10	60	n	n
Laborers.....	M	h	.15	.....	.....	10	60	n	n
Machinists.....	M	h	.34	.....	.25	9	54	3%	n
Machinists' helpers.....	M	h	.164	.....	.....	9	54	n	n
Machine shop hands.....	M	h	.30	.....	.22	9	54	n	n
Passenger car build-ers.....	M	h	.274	.....	.25	9	54	n	n
Planing mill hands.....	M	h	.24	.....	.174	9	54	n	n
Stationary engineer.....	M	m	50.00	.....	.....	12	84	n	n
Stationary firemen.....	M	h	.15	.....	.14	12	84	n	n

n Not reported

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

LINN COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Sash, Doors, Etc., Mfg.—</i>										
Bench carpenters.....	M	h	\$.35	.....	\$ .20	10	59	none	none
Bookkeeper.....	M	h	.25	.....	.....	10	59	none	none
Boys.....	M	h	.05	.....	.....	10	59	none	none
Carpenters.....	M	h	.334	.....	.....	8	48	none	none
Clerks.....	M	h	.30	.....	.....	10	59	none	none
Engineer.....	M	h	.30	.....	.....	10	59	none	none
Foreman.....	M	h	.45	.30	.....	10	59	none	none
Glaizers.....	M	h	.28	.....	.....	10	59	none	none
Laborers.....	M	h	.20	.....	.15	10	59	none	none
Machine men.....	M	h	.334	.15	.10	10	59	none	none	
Salesmen.....	M	m	125.00	.....	75.00	10	59	none	none
Superintendent.....	M	m	150.00	.....	.....	n	n	n	n
Teamsters.....	M	w	10.50	.....	.....	19	59	n	n
<i>Steel Baskets, Etc., Mfg.—</i>										
Shop hands.....	M	d	2.00	1.50	1.00	10	60	none	none	
Office help.....	F	m	50.00	.....	26.00	9	54	n	n
<i>Text-Books Edited and Sold—</i>										
Accountants.....	M	m	100.00	.....	.....	9	52	n	n
Bookkeepers.....	M	m	80.00	.....	40.00	8	48	n	n
Shipping clerk.....	M	w	17.00	1.50	6.00	9	52	.....	10%
Stenographers.....	F	w	13.50	9.00	7.50	8 1/2	50	.....	10%
<i>Upholstered Furniture Mfg.—</i>										
Cutters.....	F	w	6.00	.....	.....	9	54	none	none
Finishers.....	M	w	18.00	12.00	8.00	10	60	none	none	
Upholsterers.....	M	w	18.00	12.00	6.00	10	60	none	none	
<i>Wagons and Buggies Mfg.—</i>										
Blacksmiths.....	M	d	2.30	.....	1.50	10	60	n	n
Body workers.....	M	d	2.50	.....	.75	10	60	n	n
Painters.....	M	d	2.50	.....	.75	10	60	n	n
Tinners.....	M	d	2.50	.....	1.00	10	60	n	n
<i>Water Supply—</i>										
Engineers.....	M	m	85.00	.....	60.00	10	70	n	n
Filterman.....	M	d	1.75	.....	.....	12	84	n	n
Firemen.....	M	d	1.75	.....	.....	8	56	n	n
Foreman.....	M	d	2.25	.....	.....	10	60	n	n
Laborers.....	M	d	1.75	.....	.....	10	60	n	n
Plumbers.....	M	d	2.25	.....	.....	10	60	n	n
<i>Wholesale Coffee, Tea, Etc.—</i>										
Salesmen.....	M	m	150.00	100.00	75.00	n	n	n	n	
Shippers.....	M	w	10.00	.....	9.00	10	60	n	n
Stenographer.....	F	w	7.00	.....	.....	n	n	n	n
Roasters.....	M	w	20.00	.....	12.00	n	n	n	n

n Not reported.

MAHASKA COUNTY.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Boilers and Heaters Mfg.—</i>										
Foundrymen.....	M	h	\$.30	\$.....	\$.15	10	59	none	none	
Pipefitters.....	M	h	.30	.....	.10	10	59	none	none
<i>Cigars and Tobacco Mfg.—</i>										
Cigarmakers.....	M	w	10.00	.....	.....	8	44	n	n
Strippers.....	M	w	6.25	.....	.....	9	50	n	n
<i>Confectionery Mfg.—</i>										
Foreman.....	M	w	15.00	.....	12.00	10	60	n	n
Forewomen.....	F	w	6.00	.....	.....	10	60	n	n
Factory hands.....	M	w	10.00	.....	5.00	10	60	n	n
Factory hands.....	F	w	4.00	.....	2.50	10	60	n	n
<i>Heating, Plumbing and Mining Tools Mfg.—</i>										
Foundrymen.....	M	h	.30	.22½	.13½	10	60	10½		
Machinists.....	M	h	.30	.20	.15	10	60	10½		
Plumbers.....	M	h	.35	.22½	.15	10	60	n	n	
<i>Railway Repair Shops—</i>										
Boilermakers.....	M	h	.34	.....	.32½	10	70	4½	
Car inspectors.....	M	h	.18	.....	.17	10	70	5½	
Car repairers.....	M	h	.17	.....	.16	10	70	5½	
Machinists.....	M	h	.32½	.32½	.32	10	70	4½		
Machinists' helpers.....	M	h	.18	.....	.17	10	70	5½	
<i>Publishing and Music, Etc.—</i>										
Apprentices.....	M	w	3.00	.....	.....	9	54	n	n
Clerk.....	M	m	25.00	.....	.....	9	54	n	n
Clerk.....	M	m	25.00	.....	20.00	8	48	20½	
Engraver.....	M	m	50.00	.....	40.00	9	54	n	n
Manager.....	M	m	75.00	.....	.....	9	54	n	n
<i>Wholesale Grocery—</i>										
Clerks.....	M	m	150.00	75.00	40.00	10	60	n	n	
Manager.....	M	m	250.00	.....	.....	10	60	n	n
Office boy.....	M	w	7.00	.....	3.00	10	60	n	n
Porters.....	M	m	50.00	.....	40.00	10	60	n	n
Stenographers.....	F	w	15.00	11.00	6.00	10	60	n	n	

MARION COUNTY.

<i>Straw Stackers and Self-Feeders Mfg.—</i>									
Blacksmiths.....	M	h	.20	.....	.....	10	60	n	n
Bookkeeper.....	F	d	1.50	.....	1.25	8	51	n	n
Engineer.....	M	h	.12½	.....	.....	10	60	n	n
Machinists.....	M	h	.12½	.....	.....	10	60	n	n
Moulders.....	M	h	.21	.12½	.07½	10	60	n	n
Shippers.....	M	h	.12½	.....	.....	10	60	n	n
Teamsters.....	M	h	.12½	.....	.....	10	60	n	n
Woodworkers.....	M	h	.20	.....	.12½	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

MARION COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Wagons and Carriages Mfg.—</i>										
Blacksmiths.....	M	h	\$.20	\$.17½	\$.12½	10	60	none	none	
Engineers.....	M	h	.15	.....	.....	10	60	none	none
Managers.....	M	m	75.00	.....	.....	10	60	none	none
Moulders.....	M	h	.20	.15	.12½	10	60	none	none	
Painters.....	M	h	.21	.17½	.12½	10	60	none	none	
Stenographer.....	F	w	6.00	.....	.....	8	48	none	none
Teamster.....	M	h	.12½	.15	.12½	10	60	none	none	
Woodworkers.....	M	h	.22½	.15	.12½	10	60	none	none	

MARSHALL COUNTY.

<i>Brick and Tile Mfg.—</i>									
Common laborers.....	M	d	\$ 1.75	\$ 1.50	.....	10	60	none	none
<i>Contracting and Building—</i>									
Bricklayers.....	M	h	.55	.....	.50	9	54	n	n
Carpenters.....	M	h	.40	.38½	.25	9	54	n	n
Laborers.....	M	h	.20	.....	.17½	9	54	n	n
Plasterers.....	M	h	.50	.....	.....	9	54	n	n
Sheetmetal workers.....	M	h	.45	.40	.40	9	54	n	n
Stonemasons.....	M	h	.40	.45	.40	9	54	n	n
Stonemasons.....	M	h	.40	.....	.....	9	54	n	n
<i>Hardware (Retail)</i>									
Bookkeeper.....	F	m	40.00	.....	30.00	12	72	n	n
Clerks.....	M	m	100.00	75.00	50.00	12	72	20½	
Porters.....	M	m	45.00	.....	40.00	12	72	12½	
Teamster.....	M	m	25.00	.....	.....	12	72	n	n
Timer.....	M	d	2.50	.....	.....	10	60	none	none
<i>Hotel*</i>									
Bell boys.....	M	m	10.00	.....	.....	12	84	none	none
Chambermaids.....	F	m	15.00	.....	.....	10	70	none	none
Clerks.....	M	m	50.00	.....	25.00	12	84	none	none
Cooks.....	M	m	70.00	.....	40.00	10	70	none	none
Dishwasher.....	F	m	10.00	.....	.....	12	84	none	none
Elevator boy.....	M	m	10.00	.....	.....	12	84	none	none
Manager.....	M	m	100.00	.....	.....	15	110	none	none
Pastry Cook.....	F	m	40.00	.....	.....	10	70	none	none
Porters.....	M	m	15.00	.....	.....	12	84	none	none
Silver washer and Glass washer.....	F	m	16.00	.....	.....	12	84	none	none
Steward.....	M	m	45.00	.....	.....	15	110	none	none
Waiters.....	F	m	30.00	18.00	15.00	9	63	none	none
<i>Lubricating Oils and Greases Mfg.—</i>									
Bill clerks.....	M	w	12.00	.....	.....	9	54	n	n
Bookkeeper.....	M	w	15.00	.....	.....	9	54	n	n
Coopers.....	M	w	18.00	.....	.....	10	60	10½	
Filers.....	M	w	5.00	.....	.....	10	60	n	n
Fireman.....	M	w	15.50	.....	.....	10	60	n	n
Grease-makers.....	M	w	12.00	.....	.....	10	60	n	n
Laborers.....	M	w	10.50	.....	.....	10	60	n	n
Warehouseman.....	M	w	18.00	.....	.....	10	60	n	n

* All employees are allowed board and room in addition to compensation.
n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

MARSHALL COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Pork and Beef Pack- ing—</i>										
Carpenters.....	M	h	\$.30	.....	\$ .25	10	60	n	n
Cellarmen.....	M	h	.30	.20	.15	10	60	n	n	
Coopers.....	M	h	.22	.....	.10	10	60	n	n
Engineer.....	M	h	.25	.17	.15	10	60	n	n	
Killing dept.....	M	h	.25	.17	.15	8	48	n	n	
Packing dept.....	M	h	.17	.....	.15	8	48	n	n
Pressroom.....	M	h	.25	.17	.15	10	60	n	n	
Sausage room.....	M	h	.30	.22	.15	10	60	n	n	
Sausage room.....	F	h	.10	.....	.17	8	48	n	n
Shipping room.....	M	h	.20	.....	.10	10	60	n	n
Watchmen.....	M	h	.22	.....	.17	10	70	n	n
<i>Printing and Publish- ing—</i>										
Apprentice.....	M	w	4.00	.....	.....	9	54	n	n
Compositor.....	F	w	13.00	.....	6.00	8	51	n	n
Foreman.....	M	w	13.00	.....	8	48	n	n	n
Justifier.....	M	w	5.00	.....	.....	9	54	n	n
Manager.....	M	w	15.00	.....	.....	9	54	n	n
Operator.....	M	w	11.00	10.50	10.00	9	54	n	n	
Reporter.....	F	w	7.00	.....	3.00	5	30	n	n
Solicitor.....	M	w	20.00	19.50	15.00	8	48	n	n	
<i>Railway Repair Shops—</i>										
Blacksmiths.....	M	d	3.30	.....	3.20	9	53	3	4
Blacksmiths' helpers	M	d	1.90	.....	1.80	9	53	5	6
Boilermakers.....	M	d	3.40	.....	3.30	9	53	3	4
Boilermaker helpers.	M	d	1.80	.....	1.70	9	53	54	5
Car carpenters.....	M	d	2.24	.....	2.15	9	53	4	5
Car carpenters' helpers	M	d	1.94	.....	1.85	9	53	44	5
Car repairers.....	M	d	1.78	.....	1.70	9	53	44	5
Car repairers' help-ers	M	d	1.69	.....	1.60	9	53	54	5
Machinists.....	M	d	3.35	3.25	3.20	9	53	44	5	
Machinists' helpers.	M	d	1.80	1.70	1.65	9	53	8	9	
<i>Steam Specialties Mfg.—</i>										
Apprentices.....	M	d	.83	.....	.75	10	60	n	n
Fireman.....	M	d	1.00	.....	1.00	10	60	n	n
Machinists.....	M	d	2.75	.....	2.25	10	60	n	n
Patternmakers.....	M	d	2.50	.....	.....	10	60	n	n
<i>Wholesale Coffee, Tea Etc.—</i>										
Cashier and book-keeper.....	F	m	75.00	.....	.....	n	n	15	4
Clerks.....	M	m	35.00	.....	.....	n	n	n	n
Coffee roasters.....	M	m	65.00	.....	45.00	n	n	13	4
Foreman.....	M	m	60.00	.....	.....	n	n	15	4
Manager.....	M	m	250.00	.....	.....	n	n	n	n
Miller.....	M	m	50.00	.....	.....	n	n	10	4
Packers.....	F	m	30.00	.....	.....	n	n	n	n
Packers.....	M	m	45.00	.....	.....	n	n	10	4
Teamsters.....	M	m	30.00	.....	.....	n	n	10	4

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

MARSHALL COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Wholesale Meats—</i>										
Clerk.....	M	w	\$ 9.00	.....	.....	10	60	none	none
Egg candlers.....	M	h	.16	.....	.15	10	60	none	none
Foreman.....	M	w	14.00	.....	.....	10	60	none	none
Manager.....	M	w	22.50	.....	20.00	10	60	none	none
Miscellaneous help.....	M	h	.16	.....	.....	10	60	none	none
Packer.....	M	h	.16	.....	.15	10	60	none	none
Pickers.....	M	pos.	.31	.24	.2	10	60	none	none	
<i>Wholesale Groceries—</i>										
Bookkeepers.....	M	m	75.00	.....	60.00	10	58	n	n
Clerks.....	M	m	50.00	40.00	15.00	10	58	n	n	
Credit man.....	M	m	166.57	.....	.....	10	58	n	n
Manager.....	M	m	250.00	.....	166.67	10	58	n	n
Night watchman.....	M	m	45.00	.....	45.00	13	90	n	n
Porters.....	M	m	50.00	.....	45.00	10	58	n	n
Salesman.....	M	m	200.00	150.00	75.00	n	n	n	n	
Stenographer.....	F	m	60.00	.....	.....	10	58	n	n
Shipping clerks.....	M	m	70.00	.....	60.00	10	58	n	n
Teamster.....	M	m	45.00	.....	.....	10	58	n	n

MONTGOMERY COUNTY.

Art Calendars Mfg.—

Beveling.....	M	w	11.00	8.00	5.00	10	59	10	4
Composing.....	M	w	24.00	12.00	5.00	10	59	20	14
Cutting.....	M	w	19.00	10.00	8.00	10	59	14	4
Cylinder pressman.....	M	w	32.50	12.00	5.00	10	59	14	4
Dye stamping.....	M	w	15.00	.....	.....	10	59	10	4
Dye stamping.....	F	w	5.00	.....	.....	10	59	10	4
Embossing press- man.....	M	w	12.00	8.50	7.00	10	59	25	4
Finishing.....	F	w	12.00	4.00	3.00	10	59	4	4
Gordon pressman.....	M	w	15.00	6.00	3.50	10	59	17	4
Inspecting.....	M	w	4.00	4.00	3.00	10	59	4	4
Pad gathering.....	F	w	7.00	4.00	.....	10	59	4	4
Shipping dept.....	M	w	15.00	.....	9.00	10	59	6	4
Tinting.....	M	w	9.00	6.00	3.00	10	59	12	4

Brick and Tile Mfg.—

Engineer.....	M	h	.20	.....	.....	12	72	none	none
Fireman.....	M	h	.13	.....	.....	12	72	none	none
Mullman.....	M	h	.13	.....	.....	10	60	none	none
Pitmen.....	M	h	.15	.....	.....	10	60	none	none
Pitchers.....	M	h	.17	.....	.....	8	50	n	n
Setters.....	M	h	.24	.....	.....	8	50	none	none
Teamsters.....	M	h	.14	.....	.....	10	60	none	none
Water boy.....	M	h	.07	.....	.....	8	50	none	none

Bridge and Structural Iron Work—

Foremen.....	M	d	4.00	3.50	2.50	10	60	none	none
Machinists.....	M	d	3.50	2.00	1.75	10	60	none	none
Structural men.....	M	d	2.25	2.00	1.45	10	60	none	none
Yardmen.....	M	d	2.00	1.75	1.45	10	60	none	none

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.
MONTGOMERY COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905	
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per Wk.	In-crease	De-crease
<i>Foundry and Machine Shop—</i>									
Finishers.....	M	d	\$ 2.00	\$.....	\$.....	n	n	n	n
Foundrymen.....	M	d	3.00	.....	2.75	n	n	n	n
Drill pressmen.....	M	d	1.25	.....	.....	n	n	n	n
Grinders.....	M	d	1.50	.....	.....	n	n	n	n
Machinists.....	M	d	2.75	.....	.....	n	n	n	n
Machine moulders.....	M	d	1.75	.....	.....	n	n	n	n
Plumbers.....	M	d	2.25	.....	.....	n	n	n	n
Routers.....	M	d	1.50	.....	.....	n	n	n	n

MUSCATINE COUNTY.

<i>Brick and Tile Mfg.—</i>									
Laborers.....	M	d	\$ 2.25	\$ 2.00	\$ 1.75	10	60	none	none
<i>Button Machinery Mfg.—</i>									
Experimental dept.....	M	d	4.00	2.90	1.25	10	60	n	n
Foundry.....	M	d	2.32	2.00	.83	10	60	n	n
General help.....	M	d	3.50	2.00	1.16	10	60	n	n
Machinists.....	M	d	3.50	2.50	.67	10	60	n	n
Pattern men.....	M	d	3.25	1.75	.67	10	60	n	n
Power house men.....	M	d	2.67	.....	.....	10	60	n	n
Salesmen.....	M	d	2.33	2.75	2.50	10	60	n	n
Sawyers.....	M	d	3.00	2.00	1.00	10	60	n	n
Small tool hands.....	M	d	3.33	2.00	1.00	10	60	n	n
<i>Cigar Mfg.—</i>									
Cigar makers.....	M	w	5.00	.....	.....	10	60	n	n
Cigar packing.....	M	w	7.50	.....	.....	10	60	n	n
Tobacco strippers.....	M	d	1.00	.....	.....	10	60	n	n
<i>Dry Goods (Retail)—</i>									
Bookkeeper.....	F	w	13.00	.....	.....	9	54	n	n
Clerks.....	M	w	12.50	10.00	9.00	9	54	n	n
Clerks.....	M	w	6.00	.....	.....	9	54	n	n
Clerks.....	F	w	14.00	10.00	9.00	10	60	n	n
Clerks.....	F	w	7.00	6.00	4.00	9	54	n	n
Dressmaker.....	F	w	9.00	.....	.....	9	54	n	n
Delivery boy.....	M	w	7.00	.....	.....	9	54	n	n
<i>Gas, Electric Light, and Street Ry.—</i>									
Cashier.....	M	m	75.00	.....	.....	n	n	n	n
Car barn foreman.....	M	m	60.00	50.00	40.00	n	n	10%	n
Conductors.....	M	h	12	.....	11	11	66	10%	n
Electric repairers.....	M	m	50.00	.....	.....	n	n	n	n
Electric assistants.....	M	m	60.00	50.00	35.00	n	n	n	n
General manager.....	M	m	125.00	.....	.....	n	n	n	n
Gas plant assistants.....	M	d	2.00	1.85	1.75	n	n	n	n
Gas repairers.....	M	d	2.00	.....	1.75	10	60	n	n
Line repairers.....	M	m	65.00	.....	55.00	n	n	n	n
Meter readers.....	M	m	35.00	.....	.....	n	n	n	n
Motormen.....	M	h	15	.....	14	n	n	10%	n
Stenographer.....	F	m	35.00	.....	.....	n	n	15%	n
Supt. St. Ry.....	M	m	70.00	.....	.....	n	n	n	n
Supt. electric plant.....	M	m	100.00	.....	.....	n	n	n	n
Supt. gas plant.....	M	m	100.00	.....	.....	n	n	n	n
Track foreman.....	M	d	2.25	.....	.....	10	60	n	n
Track laborers.....	M	d	1.75	.....	.....	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.
MUSCATINE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905	
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per Wk.	In-crease	De-crease
<i>Harness and Saddlery Mfg.—</i>									
Collar makers.....	M	w	\$15.00	\$12.00	\$10.00	10	50	none	none
Harness makers.....	M	w	18.00	11.00	9.00	10	50	none	none
<i>Hotel—</i>									
Bell boys.....	M	m	25.00	.....	.....	10	70	none	none
Chambermaids.....	F	m	32.00	.....	.....	10	70	none	none
Clerks.....	M	m	20.00	.....	.....	10	70	none	none
Cooks.....	F	m	40.00	.....	.....	10	70	none	none
Dish washer.....	M	m	25.00	.....	.....	10	70	none	none
Porters.....	M	m	40.00	.....	.....	10	70	none	none
Waiter.....	F	m	32.00	.....	.....	10	70	none	none
<i>Oat Meal and Cereal Mill—</i>									
Elevator men.....	M	d	1.80	.....	1.65	10	60	n	n
Engineers.....	M	w	18.00	.....	15.00	10	60	n	n
Feed packers.....	M	d	1.75	.....	.....	10	60	n	n
Fireman.....	M	d	1.75	.....	.....	10	60	n	n
Helpers.....	F	d	75	.....	60	10	60	n	n
Labelers.....	F	d	1.25	.90	.75	10	60	n	n
Laborers.....	F	d	1.85	1.35	1.10	10	60	n	n
Mechanics.....	M	d	2.50	.....	2.00	10	60	n	n
<i>Pearl Buttons Mfg.—</i>									
Cutters.....	M	Gr.	25	.10	.054	94	56	n	n
Drillers.....	M	d	75	.67	.58	94	56	n	n
Grinders.....	F	d	50	.....	.....	94	56	n	n
Sorters.....	M	d	75	.67	.58	94	56	n	n
Turners.....	M	d	75	.67	.58	94	56	n	n
<i>Pearl Buttons Mfg.—</i>									
Button cutters.....	M	Gr.	.11	.....	.04	10	50	none	none
Finishing dept.....	F	Gr.	.01	.....	.075	10	50	none	none
Foremen.....	M	w	30.00	.....	12.00	10	50	none	none
Sorting shells.....	M	d	2.00	.....	1.50	10	50	none	none
Sorting dept.....	M	Gr.	.007	.....	.005	10	50	none	none
<i>Pearl Buttons Mfg.—</i>									
Blank cutters.....	M	Gr.	.10	.064	.044	10	60	n	n
Machine hands.....	F	Gr.	.01	.008	.007	10	60	n	n
Sewing.....	M	Gr.	.028	.011	.014	n	n	n	n
Shell sorters.....	M	w	8.50	.....	8.00	10	60	n	n
Sorting.....	F	Gr.	.01	.008	.007	10	60	n	n
<i>Placing Mill Products Mfg.—</i>									
Carpenters.....	M	d	2.75	1.50	.75	10	60	n	n
Lumber pilers.....	M	d	2.00	1.50	1.33	10	60	n	n
Machine hands.....	M	d	2.75	.....	1.50	10	60	n	n
Warehouse men.....	M	d	2.00	1.67	1.00	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

MUSCATINE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905.		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Railway Transportation—</i>										
Engineers.....	M	m	100.00	\$.....	\$65.00	n	n	n	n	
Firemen.....	M	m	65.00	.....	.....	n	n	n	n
Firemen round-house.....	M	m	85.00	.....	.....	n	n	n	n
Laborers.....	M	d	1.40	.....	.....	10	60	n	n
Roundhouse.....	M	m	85.00	.....	.....	n	n	n	n
Round-house man.....	M	m	45.00	.....	.....	10	60	n	n
Section foreman.....	M	m	50.00	.....	45.00	n	n	n	n
Station agents.....	M	m	110.00	55.00	50.00	n	n	n	n	
Stenographers.....	F	m	45.00	.....	.....	8	48	n	n
<i>Sash, Doors, Etc., Mfg.—</i>										
Benchmen.....	M	d	2.75	2.25	2.00	10	60	none	none	
Laborers.....	M	d	1.50	.....	1.33	10	60	n	n
Machinemen.....	M	d	2.75	2.00	1.50	10	60	none	none	
<i>Sawmill and Box Factory—</i>										
Blacksmith.....	M	d	2.25	.....	.....	n	n	n	n
Doggers.....	M	d	1.83	.....	.....	n	n	n	n
Engineers.....	M	m	90.00	.....	.....	n	n	n	n
Filers.....	M	d	2.50	.....	.....	n	n	n	n
Firemen.....	M	d	2.25	.....	.....	n	n	n	n
Logmen.....	M	d	2.50	.....	2.00	n	n	n	n
Offbearers.....	M	d	1.83	.....	.....	n	n	n	n
Oilers.....	M	d	2.00	.....	.....	n	n	n	n
Sawyers.....	M	d	4.00	.....	.....	n	n	n	n
Setters.....	M	d	2.25	.....	.....	n	n	n	n
<i>Wholesale Grocery—</i>										
Bookkeeper.....	M	d	3.40	.....	.....	10	60	n	n
Clerk.....	M	d	1.94	.....	.....	10	60	n	n
Drayman.....	M	d	2.42	.....	.....	10	60	n	n
Porters.....	M	d	1.75	.....	.....	10	60	n	n
Salesmen.....	M	d	4.01	.....	.....	10	60	n	n
Stenographer.....	F	d	1.19	.....	.....	10	60	n	n

O'BRIEN COUNTY.

<i>Wholesale Grocery—</i>									
Office men.....	M	m	107.50	.....	40.00	10	60	n	n
Salesmen.....	M	m	100.00	.....	50.00	n	n	n	n
Shipping dept.....	M	m	55.00	.....	35.00	10	60	n	n
<i>Wholesale Meats—</i>									
Clerk.....	M	w	10.50	.....	.....	10	60	none	none
Egg candlers.....	M	w	12.50	.....	174	10	60	none	none
Manager.....	M	w	17.50	.....	15.00	10	60	none	none
Misc. help.....	M	h	174	.....	15	10	60	none	none
Packer.....	M	h	20	.....	174	15	10	60	none
Picker.....	M	h	30	.....	94	60	none	none	none
Teamster.....	M	w	15.00	.....	.....	10	60	none	none

n Not reported.

PAGE COUNTY.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

Kind of Business and Division of Occu- pation	Male (M) or Fe- male (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High- est Rate	Med- ium Rate	Low- est Rate	Hrs. per Day	Hrs. per W'k	In- crease	De- crease	
<i>Foundry and Machine Shop—</i>										
Foundrymen.....	M	d	\$ 2.50	\$.....	\$ 2.00	10	60	n	n	
Machinists.....	M	d	2.50	.....	2.00	10	60	n	n
Moulders.....	M	d	2.00	.....	1.25	10	60	n	n
<i>Milling and Grain—</i>										
Engineer.....	M	m	40.00	.....	.....	11	66	none	none
Laborers.....	M	m	30.00	.....	.....	11	66	none	none
Miller.....	M	m	50.00	.....	.....	11	66	none	none
<i>Produce (Buyers)—</i>										
Egg candlers.....	M	h	.174	.....	.15	10	60	n	n
Feeders.....	M	h	.174	.....	.15	10	70	n	n
Packers.....	M	h	.174	.....	.15	10	60	n	n
<i>Stock Food and Pow- ders—</i>										
Laborers.....	M	d	1.50	.....	1.25	10	60	n	n
Mixer and grinder.....	M	w	13.40	.....	10.60	10	60	22%	n
<i>Wholesale Meats—</i>										
Clerk.....	M	w	14.00	.....	12.00	10	60	none	none
Egg candlers.....	M	h	.174	.....	.15	10	60	none	none
Feeder.....	M	h	.174	.....	.15	10	60	none	none
Foreman.....	M	h	20	.....	10	60	none	none	none
Manager.....	M	w	25.00	.....	18.50	10	60	none	none
Misc. help.....	M	h	20	.....	17	10	60	none	none
Packers.....	M	h	20	.....	17	10	60	none	none
Pickers.....	M	h	34	.....	604	10	60	none	none
Teamster.....	M	w	15.00	.....	.....	10	60	none	none
<i>Wholesale and Grow- ing Seeds—</i>										
Checkers.....	F	h	.083	.....	.07	9	54	n	n
Foremen.....	M	m	65.00	60.00	52.00	10	60	n	n	
Office girls.....	F	h	.15	.09	.05	9	54	n	n	
Order clerks.....	F	h	.123	.080	.050	9	54	n	n	
Printer.....	M	h	.123	.....	.....	10	60	n	n
Stockmen.....	M	h	.15	.15	.....	10	60	n	n
Warehousemen.....	M	h	.161	.....	.15	10	60	n	n

POLK COUNTY.

<i>Agricultural Imple-ments Mfg.—</i>									
Blacksmith.....	M	d	2.50	.....	.....	10	60	n	n
Carpenters.....	M	d	3.50	.....	2.25	10	60	n	n
Common laborers.....	M	d	2.25	.....	1.50	10	60	n	n
Engineer.....	M	d	2.00	.....	.....	10	60	n	n
Foundrymen.....	M	d	3.50	.....	1.50	10	60	n	n
Machinists.....	M	d	4.00	.....	2.25	10	60	n	n
Painters.....	M	d	2.25	.....	.....	10	60	n	n
Patternmaker.....	M	d	3.75	.....	.....	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.
POLK COUNTY—CONTINUED.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Brick Mfg. and Contracting—</i>										
Bricklayers	M	d	\$ 4.50	\$.....	\$.....	8	48	n	n	
Brickyard hands.....	M	d	2.75	2.00	.75	9	54	n	n	
Carpenters.....	M	d	3.20	3.00	2.80	8	48	n	n	
Laborers.....	M	d	2.25	2.00	1.75	9	54	n	n	
<i>Brick and Tile Mfg.—</i>										
Common laborers...	M	d	2.50	1.75	1.50	9	54	none	none	
<i>Canning Factory—</i>										
General help.....	M	d	1.50	.....	.....	9	53	none	none
Manager.....	M	m	40.00	.....	.....	9	53	none	none
Marking dept.....	F	d	.50	.....	.....	9	53	none	none
Office help.....	F	d	1.33	.....	.....	9	53	n	n
Supt. of marking.....	F	d	1.00	.....	.....	9	53	none	none
<i>Caskets Mfg.—</i>										
Bench hands.....	M	d	2.50	.....	2.00	10	60	none	none
Engineer.....	M	w	17.50	.....	.....	10	60	none	none
Laborers.....	M	d	1.50	.....	1.25	10	60	none	none
Machine hands.....	M	d	3.00	2.50	2.00	10	60	none	none	
Sewing girls.....	F	w	6.00	.....	.....	9	54	none	none
Teamster.....	M	d	1.50	.....	.....	10	60	none	none
Upholsterers.....	M	d	2.50	.....	1.25	10	60	none	none
<i>Cigar Box Mfg.—</i>										
Manager.....	M	w	17.50	.....	.....	8	48	n	n
Nailer.....	F	w	4.50	.....	.....	8	48	n	n
Pasters.....	F	w	4.50	.....	.....	8	48	n	n
Trimmers.....	M	w	5.00	.....	.....	8	48	n	n
<i>Clay Products Mfg.—</i>										
Burners.....	M	h	.18	.....	.....	12	72	none	none
Engineer.....	M	h	.25	.....	.....	10	60	none	none
Laborers.....	M	h	.22	.....	.174	9	54	none	none
<i>Confectionery Mfg.—</i>										
Candy makers.....	M	d	3.00	2.25	1.67	10	60	none	none	
Candy maker help-ers.....	M	d	1.00	.67	.50	10	60	none	none	
Candy makers.....	F	d	1.83	1.00	.67	10	60	none	none	
Candy maker help-ers.....	F	d	.67	.....	.50	10	60	none	none
<i>Crackers, Cakes, Etc., Mfg.—</i>										
Bakers.....	M	w	13.50	12.00	10.00	9½	57	none	none	
Clerks.....	M	w	20.00	15.00	10.00	9½	57	none	none	
Clerks.....	F	w	12.00	10.00	.....	9½	57	none	none
Engineer.....	M	w	15.00	.....	.....	11	66	none	none
Foreman.....	M	w	30.00	.....	.....	9½	57	none	none
Forelady.....	F	w	7.00	6.00	.....	9½	57	none	none
Iceing room help.....	F	w	4.50	.....	3.50	9½	57	none	none
Laborers.....	M	w	10.50	8.00	6.00	10	60	none	none	
Manager.....	M	m	208.33	.....	.....	9½	57	none	none
Packers.....	F	w	8.50	6.00	4.00	9½	57	none	none	
Receiving clerk.....	M	w	12.00	9.00	10.00	10	60	none	none	
Shipping clerk.....	M	w	15.00	10.50	7.50	10	60	none	none	
Watchman.....	M	w	10.50	.....	.....	12	72	none	none

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.
POLK COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Creamery, Butter Mfg.—</i>										
Buttermakers.....	M	w	\$25.00	\$14.00	\$10.00	9	60	none	none	
Buttermakers.....	F	w	9.00			9	54	none	none	
Chemist.....	M	w	15.00			9	54	none	none	
Engineer.....	M	w	11.53			12	84	none	none	
Office help.....	F	w	15.00	10.00	7.50	9	54	none	none	
Office help.....	M	m	75.00	50.00	19.00	9	54	none	none	
Teamsters.....	M	w	15.00			10	60	none	none	
<i>Dry Goods, (Jobbers)—</i>										
Bookkeeper.....	M	m	125.00			9	54	n	n	
House salesman.....	M	w	5.00		6.00	10	60	n	n	
Janitor.....	M	m	20.00			10	60	n	n	
Manager.....	M	m	208.33			9	54	n	n	
President.....	M	m	208.33			10	60	n	n	
Shipping clerk.....	M	m	41.67			10	60	n	n	
Stenographer.....	F	m	41.67			9	54	n	n	
Stock clerks.....	M	m	30.00	41.33	33.33	10	60	n	n	
Traveling salesman.....	M	m	300.00			n	n	n	n	
<i>Embalming Fluids, Mfg.—</i>										
Manager.....	M	m	125.00			n	n	n	n	
Salesman.....	M	m	100.00			n	n	n	n	
Stenographer.....	F	m	45.00			n	n	n	n	
<i>Engraving & Electrotyping—</i>										
Apprentices.....	M	w	10.00	6.00	3.00	9	54	n	n	
Artists.....	M	w	20.00			9	54	n	n	
Clerks.....	M	w	15.00		10.00	9	54	n	n	
Etchers.....	M	w	25.00		20.00	9	54	n	n	
Electrotypers.....	M	w	20.00	21.00	18.00	9	54	n	n	
Finishers.....	M	w	20.00			9	54	n	n	
Photographers.....	M	w	25.00		6.00	9	54	n	n	
Solicitors.....	M	w	25.00			9	54	n	n	
Managers.....	M	w	35.00			9	54	n	n	
<i>Foundry and Machine Shop—</i>										
Machinists.....	M	h	.30			9	54	n	n	
Moulders.....	M	h	.30			9	54	n	n	
<i>Fuel and Building Materials (Sold)—</i>										
Warehouse men.....	M	d	2.00			10	60	n	n	
Teamsters.....	M	d	3.00			9	54	n	n	
<i>Furnaces Installed and Mfg.—</i>										
Boilermakers.....	M	d	2.50	2.00	1.75	9	54	none	none	
Helpers.....	M	d	1.75	1.50	1.00	n	n	n	n	
Tinners.....	M	d	3.00	2.50	2.00	8	48	36		
<i>Furnaces, Mfg.—</i>										
Boilermakers.....	M	d	3.00			9	54	n	n	
Iron moulders.....	M	d	2.75			9	54	n	n	
Sheet metal workers.....	M	d	2.50			9	54	n	n	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

POLK COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Furniture, Mfg.—</i>										
Mattress sewers.....	M	w	\$ 7.00	\$ 6.00	\$ 4.00	10	60	none	none	
Mattress makers.....	M	w	14.00	9.00	4.00	10	60	none	none	
Upholsters.....	M	w	15.00	10.00	4.00	10	60	none	none	
<i>Garments, Mfg.—</i>										
Cutters.....	M	w	15.00			9½	57	n	n	
Pressers.....	M	w	12.00			9½	57	n	n	
Stock clerks.....	M	w	12.00			9½	57	n	n	
Tailors.....	M	w	15.00			9½	57	n	n	
Tailors.....	F	w	10.00	6.00	4.00	9½	57	n	n	
Cutting.....	M	w	13.00			9½	57	n	n	
Piece workers.....	F	w	9.00	6.00	3.00	9½	57	n	n	
<i>Gas Engines, Mfg.—</i>										
Blacksmiths.....	M	h	.30			9	54	none	none	
Common laborers.....	M	h	.22			9	54	none	none	
Machinists.....	M	h	.30	.16½	.11	9	54	none	none	
Moulders.....	M	h	.32	.16½	.09	9	54	none	none	
Pipe fitters.....	M	h	.33½			9	54	none	none	
<i>Gas, Light and Heat, Mfg.—</i>										
Clerks.....	M	m	112.50	60.00	35.00	9	54	n	n	
Clerks.....	F	m	75.00	60.00	50.00	9	54	n	n	
Engineers.....	M	d	2.00		1.35	10	60	n	n	
Firemen.....	M	d	1.75			10	60	n	n	
Foreman.....	M	m	90.00	85.00	65.00	9	54	n	n	
Fitters.....	M	d	2.00	1.87	1.75	9	54	n	n	
Gas makers.....	M	d	2.50		2.00	10	60	n	n	
Helpers.....	M	d	1.85		1.75	10	60	n	n	
Laborers.....	M	d	1.75	1.50	1.10	9	54	n	n	
Service main.....	M	d	2.50	2.00	1.75	9	54	n	n	
<i>Groceries (Retail)—</i>										
Bookkeeper.....	F	w	8.00			12	72	n	n	
Clerk.....	M	w	10.00			12	72	n	n	
Driver.....	M	w	6.00			12	72	n	n	
<i>Hosiery Mfg.—</i>										
Boards.....	M	Doz.	.02			10	60	none	none	
Dyers.....	F	d	1.66		1.50	10	60	none	none	
Knitters.....	F	doz.	.06	.05	.02½	10	60	none	none	
Loopers.....	F	doz.	.08	.05	.03½	10	60	none	none	
Menders.....	F	doz.	.015			10	60	none	none	
Ribbers.....	M	d	1.75	1.50	1.25	10	60	none	none	
Shippers.....	M	d	1.66	1.60	1.50	10	60	none	none	
<i>Incubators and Brood-ers Mfg.—</i>										
Woodworkers.....	M	d	2.00	1.50	1.00	10	60	none	none	
<i>Laundry—</i>										
Assorters.....	F	w	9.00		6.00	9	54	n	n	
Bookkeepers.....	F	w	9.00		7.00	9	54	n	n	
Collar ironers.....	F	w	6.00		5.00	9	54	n	n	
Damper.....	F	w	4.00			9	54	n	n	
Drivers.....	M	w	15.00		6.00	9	54	n	n	
Engineer.....	M	w	15.00			9	54	n	n	
Foreman.....	M	w	15.00			9	54	n	n	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

POLK COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Laundry—Continued—</i>										
Hand ironers.....	F	w	\$10.00	\$.....	\$ 6.00	9	54	n	n	
Laundry girls.....	F	w	14.00	.....	4.00	9	54	n	n
Mangle girls.....	F	w	4.00	.....	.....	9	54	n	n
Neckband ironers.....	F	w	4.00	.....	.....	9	54	n	n
Shirt folder.....	F	w	3.00	.....	.....	9	54	n	n
Shirt ironer.....	F	w	6.00	.....	.....	9	54	n	n
Starchers.....	F	w	4.00	.....	.....	9	54	n	n
Washman.....	M	w	10.00	.....	4.00	9	54	n	n
<i>Lighting Rods, Etc., Mfg.—</i>										
Advertising mgr.	M	m	125.00	.....	.....	10	60	n	n
Bookkeeper.....	M	m	100.00	.....	.....	10	60	n	n
Butler.....	M	w	12.00	.....	9.00	10	60	n	n
Cabinetmaker.....	M	w	16.50	.....	.....	10	60	n	n
Carpenter.....	M	w	9.00	.....	.....	10	60	n	n
Foreman.....	M	w	22.00	.....	9.00	10	60	n	n
Machinists.....	M	w	15.00	.....	.....	10	60	n	n
Mechanic.....	M	w	11.00	.....	.....	10	60	n	n
Machine worker.....	M	w	15.00	.....	.....	10	60	n	n
Moulder.....	M	w	11.00	10.00	9.00	10	60	n	n	
Plater.....	M	w	15.00	.....	.....	10	60	n	n
Shipper.....	M	w	12.00	.....	.....	10	60	n	n
Stenographers.....	M	w	15.00	.....	10.00	10	60	n	n
Wood finishers.....	M	w	12.00	.....	.....	10	60	n	n
<i>Mercantile Agency—</i>										
Clerk.....	M	m	60.00	30.00	12.00	n	n	n	n	
City reporter.....	M	m	40.00	.....	.....	n	n	n	n
Messenger.....	M	m	20.00	.....	.....	n	n	n	n
Typewriters.....	F	m	25.00	.....	20.00	n	n	n	n
<i>Monuments and Statu-ary Mfg.—</i>										
Foremen.....	M	d	3.00	.....	.....	9	54	none	none
Stenographer.....	F	d	1.00	.....	.....	8	48	none	none
Workmen.....	M	d	1.50	.....	1.50	9	54	none	none
<i>Nursery—</i>										
Foremen.....	M	m	\$3.33	43.00	.....	10	60	n	n
Laborers.....	M	d	1.50	.....	.....	10	60	n	n
Waterboys.....	M	d	1.00	.....	.50	10	60	n	n
<i>Pork and Beef Pack-ing—</i>										
Blacksmiths.....	M	h	.20	.....	.....	9	54	n	n
Carpenters.....	M	h	.32½	.....	.....	9	54	n	n
Cattle butchers.....	M	h	.40	.25	.20	9	54	n	n	
Coopers.....	M	h	.20	.....	.....	10	60	n	n
Engineers.....	M	w	19.25	.....	.....	12	84	n	n
Firemen.....	M	d	2.00	.....	.....	10	60	n	n
Hog butchers.....	M	h	.27½	.20	.....	8	56	n	n
Laborers.....	M	h	.20	.17½	.15	10	60	n	n	
Machinists.....	M	d	3.00	.....	.....	9	54	n	n
Sausagemakers.....	M	h	.25	.....	.....	10	60	n	n
Scalers.....	M	w	12.00	.....	.....	10	60	n	n
Steamfitters.....	M	w	18.00	.....	.....	9	54	n	n
Teamsters.....	M	w	10.50	.....	.....	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND
WEEK, AND VARIATION IN RATE FOR 1905—Continued.
POLK COUNTY—Continued.

Kind of Business and Division of Occu- pation	Male (M) or Fe- male (F)	Rate Basis	Rate of Wages			Working Time		Change in Per- cent for Year Ending Dec. 31, 1905		
			High- est Rate	Me- dium Rate	Low- est Rate	Hrs. per Day	Hrs. per W'k	In- crease	De- crease	
<i>Poultry and Produce—</i>										
Clerk.....	F	w	\$12.00	\$.....	\$.....	10	60	none	none	
Egg candlers.....	M	h	.20	.....	.17½	10	60	none	none
Foreman.....	M	h	.20	.....	.17½	10	60	none	none
Manager.....	M	w	22.00	.....	.....	10	60	none	none
Misc. help.....	M	h	.20	.....	.17½	10	60	none	none
Packer.....	M	h	.20	.....	.....	10	60	none	none
Picker.....	M	pcs.	.03	.02½	.02	10	60	none	none	
Receiving clerk.....	M	h	.17½	.....	.....	10	60	none	none
Tenasser.....	M	w	12.00	.....	.....	10	60	none	none
<i>Printing and Pub- lishing—</i>										
Advertising solicitor.....	M	w	55.00	20.00	8.00	9	54	none	none	
Clerks.....	M	w	14.00	10.00	6.00	9	54	none	none	
Collectors.....	M	w	12.00	8.00	6.00	9	54	none	none	
Editors.....	M	w	45.00	25.00	10.00	9	54	none	none	
Janitors.....	M	w	15.00	12.00	10.00	12	72	none	none	
Printers.....	M	w	30.00	.....	20.00	8	48	none	none
Pressmen.....	M	w	26.00	16.00	10.50	8	56	none	none	
Reporters.....	M	w	22.50	18.00	8.00	8	48	none	none	
Stenographers.....	M	w	20.00	16.00	8.00	8	56	none	none	
Stenographers.....	F	w	12.00	10.00	9.00	8	54	none	none	
<i>Printing and Printers Supplies—</i>										
Bookkeeper.....	M	m	75.00	.....	.....	9	54	n	n
Compositors.....	M	w	16.00	.....	.....	9	54	n	n
Compositors.....	F	w	9.50	.....	.....	9	54	n	n
Editor.....	M	w	21.50	.....	.....	9	54	n	n
Errand boys.....	M	w	5.00	4.00	3.00	9	54	n	n	
Folder feeders.....	M	w	9.00	6.00	4.00	9	54	n	n	
Janitor.....	M	w	11.00	.....	9.00	9	54	n	n
Make-up.....	M	w	17.50	.....	15.00	9	54	16%	
Manager.....	M	m	291.66	.....	.....	n	n	n	n
Paper stock clerk.....	M	m	75.00	.....	.....	n	n	21%	
Press feeders.....	M	w	12.00	10.00	6.00	9	54	n	n	
Pressman.....	M	w	20.00	.....	.....	9	54	n	n
Roller maker.....	M	w	12.00	.....	.....	9	54	n	n
Salesman.....	M	w	25.00	.....	20.00	9	54	25%	
Shipping clerk.....	M	w	12.00	.....	.....	9	54	n	n
Stereotypers.....	M	w	16.00	.....	8.00	9	54	n	n
Stenographer.....	F	m	65.00	.....	.....	9	54	n	n
Superintendent.....	M	m	100.00	.....	.....	9	54	n	n
<i>Publishing—</i>										
Advertising manager.....	M	m	366.00	125.00	100.00	9	54	3%		
Business manager.....	M	m	625.00	350.00	60.00	9	54	none	none	
Circulation manager.....	M	m	230.00	.....	40.00	9	54	2%	
Editors.....	M	m	275.00	125.00	25.00	9	54	2%		
Electrotypers.....	M	m	100.00	.....	50.00	9	54	3%	
Job printers.....	M	m	85.00	75.00	35.00	9	54	3%		
Press room.....	M	m	135.00	75.00	35.00	9	54	3%		
<i>Railway Repair Shops—</i>										
Callers.....	M	h	.16	.....	.15	10	70	none	none
Machinists.....	M	h	.26	.....	.24	10	70	none	none
Machinist helpers.....	M	h	.17	.....	.15	10	70	none	none
Sandmen.....	M	h	.16	.....	.....	10	70	none	none
Wipers.....	M	h	.16	.....	.....	10	70	none	none

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND
WEEK, AND VARIATION IN RATE FOR 1905—Continued.

POLK COUNTY—Continued.

Kind of Business and Division of Occu- pation	Male (M) or Fe- male (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High- est Rate	Me- dium Rate	Low- est Rate	Hrs. per Day	Hrs. per W'k	In- crease	De- crease	
Railway Repair Shops—										
Apprentices.....	M	h	\$.18½	\$.15	\$.10	10	60	none	none	
Blacksmiths.....	M	h	.33	.38	.22	10	60	none	none	
Boilermakers.....	M	h	.34	.....	.....	10	60	none	none
Clerks.....	M	m	50.00	.....	.....	10	60	none	none
Carpenters.....	M	m	27½	22½	24½	10	60	none	none	
Foremen.....	M	m	115.00	90.00	70.00	10	60	none	none	
Helpers.....	M	m	.20	.....	.15	10	60	none	none
Hostlers.....	M	m	55.00	.....	.....	11	77	none	none
Laborers.....	M	h	.17½	.16	.15	10	60	none	none	
Master mechanic.....	M	m	290.00	.....	.....	9	54	none	none
Machinists.....	M	h	.34	.....	.....	10	60	none	none
Machine hands.....	M	h	.25	.29	.16	10	60	none	none	
Messenger.....	M	h	25.00	.....	.....	10	60	none	none
Mechanics.....	M	h	.20	.20	.17½	10	60	none	none	
Painters.....	M	h	.25½	.21	.18	10	60	none	none	
Tinners.....	M	h	.20	.....	.25	10	60	none	none
Wreck engineer.....	M	m	70.00	.....	.....	10	70	none	none
Shop watchman.....	M	m	50.00	.....	.....	12	84	none	none
Soap Mfg.—										
Common laborers.....	M	w	8.50	.....	.....	9	54	n	n
Soap wrappers.....	F	w	9.00	.....	.....	9	54	n	n
Soap makers.....	M	w	10.00	.....	.....	9	54	n	n
Store and Bank Fis- tures, Mfg.—										
Cabinet makers.....	M	h	.50	.....	.27½	9	54	none	none
Engineers.....	M	w	12.00	.....	.....	9	54	none	none
Machine hands.....	M	h	.40	.....	.20	9	54	none	none
Millmen.....	M	h	.20	.....	.15	9	54	none	none
Telegraph—										
Clerks.....	F	m	30.00	30.00	25.00	9	54	n	n	
Messengers.....	M	m	30.00	18.00	10.00	9	54	n	n	
Repairmen.....	M	m	70.00	60.00	50.00	9	54	n	n	
Telegraph operators.....	M	m	50.00	45.00	35.00	9	54	n	n	
Telegraph operators.....	F	m	50.00	30.00	25.00	9	54	n	n	
Telephone Exchange—										
Cableman.....	M	d	3.00	.....	.....	9	54	none	none
Groundmen.....	M	d	2.00	1.75	1.50	9	54	none	none	
Linemen.....	M	d	2.75	2.35	2.00	9	54	none	none	
Operators.....	F	m	47.50	27.50	15.00	9	54	none	none	
Telephone Exchange—										
Clerks.....	M	m	60.00	.....	.....	8	48	n	n
Clerks.....	F	m	45.00	.....	35.00	8	48	n	n
Foremen.....	M	m	85.00	.....	75.00	9	54	n	n
Groundmen.....	M	d	1.75	.....	.....	9	54	n	n
Helpers.....	M	m	25.00	.....	.....	9	54	n	n
Operators.....	F	h	.13	.12	.11	9	63	n	n	
Superintendent.....	M	m	125.00	.....	.....	9	54	n	n
Tents and awning, Mfg.										
Awning hangers.....	M	d	1.50	.....	.....	10	60	none	none
Hand workers.....	F	d	.75	.....	.....	10	60	none	none
Machine workers.....	F	w	7.00	.....	.....	10	60	none	none

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

POLK COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Trunks, Bags, Etc., Mfg.</i>										
Case makers.....	M	h	\$.30	.....	.....	9	54	10%	
Clerk.....	M	h	.30	.....	.....	10	60	10%	
Driver.....	M	h	.15	.....	.....	9	54	10%	
Trunk makers.....	M	h	.25	.....	.....	9	54	10%	
<i>Wall Paper and Paint (Retail)—</i>										
Clerks.....	M	w	20.00	15.00	12.50	8	48	none	none	
Painters.....	M	d	3.00	2.50	2.25	8	48	none	none	
Paper hangers.....	M	d	3.00	.....	2.50	8	48	none	none
<i>Wholesale Drugs—</i>										
Bookkeepers.....	M	w	17.00	15.00	12.00	10	60	10%		
Buyers.....	M	m	235.00	225.00	200.00	10	60	10%		
Chemists.....	M	w	25.00	20.00	18.00	10	60	10%		
Creditor.....	M	m	150.00	125.00	100.00	10	60	15%		
Department Mgrs.....	M	w	25.00	20.00	18.00	10	60	none	none	
Filing clerk.....	F	w	6.00	.....	.....	9	54	none	none
Janitor.....	M	w	5.00	.....	.....	5	30	none	none
Labeling clerks.....	F	w	4.00	3.50	3.20	9	54	none	none	
Night watchman.....	M	w	12.00	10.50	.....	12	72	10%	
Order clerk.....	M	w	15.00	13.00	11.55	10	60	none	none	
Salesmen.....	M	m	175.00	150.00	130.00	10	60	none	none	
Secretaries.....	M	m	300.00	275.00	250.00	10	60	none	none	
Stenographer.....	F	w	15.00	12.00	11.55	9	54	10%		
Telephone operator.....	F	w	4.00	.....	.....	9	54	none	none
<i>Wholesale and Retail China, Glass, Etc.—</i>										
Clerks.....	M	w	23.00	18.00	6.00	n	n	n	n	
Clerks.....	F	w	16.00	8.00	5.00	n	n	n	n	
Office help.....	M	w	25.00	.....	11.50	n	n	n	n
Shipping dept.....	M	w	15.00	11.00	8.00	n	n	n	n	
Traveling salesmen.....	M	m	75.00	.....	70.00	n	n	n	n
<i>Wholesale Grocery—</i>										
Bookkeepers.....	F	m	100.00	.....	70.00	9	54	none	none
Cashier.....	F	m	80.00	.....	.....	9	54	none	none
Office boy.....	M	m	8.50	.....	.....	n	n	none	none
Receiving clerk.....	M	w	10.00	.....	.....	10	60	none	none
Salesmen.....	M	m	123.33	75.00	50.00	10	60	none	none	
Shipping clerk.....	M	w	15.00	.....	.....	10	60	none	none
Stenographers.....	F	m	65.00	45.00	40.00	9	54	none	none	
Warehousemen.....	M	w	12.50	10.00	8.00	10	60	none	none	
<i>Wholesale Liquors—</i>										
Batenders.....	M	w	15.00	.....	.....	10	60	none	none
Bottlers.....	M	w	10.50	.....	.....	10	60	none	none
Cashier.....	M	m	166.67	.....	.....	n	n	33%	
Creditor.....	M	m	200.00	.....	.....	n	n	none	none
Drivers.....	M	w	15.50	.....	.....	11	66	none	none
Foreman.....	M	w	15.00	.....	.....	12	72	none	none
Manager.....	M	m	250.00	.....	.....	n	n	20%	
Office clerk.....	M	w	15.00	.....	.....	n	n	none	none
Porters.....	M	w	10.50	.....	.....	10	60	none	none
Salesmen.....	M	m	125.00	.....	.....	n	n	none	none
Warehousemen.....	M	w	12.60	.....	.....	11	66	none	none

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

POLK COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Wholesale Meats—</i>										
Bookkeepers.....	M	w	\$19.00	8.00	\$17.00	n	n	n	n	
Cashiers.....	M	w	10.00	9.00	8.00	n	n	n	n	
City salesmen.....	M	w	15.00	14.00	12.00	n	n	n	n	
City salesman.....	M	w	18.00	.....	.....	n	n	n	n
Manager.....	M	w	35.00	.....	.....	n	n	n	n
Shipping clerk.....	M	w	16.00	.....	15.00	n	n	n	n
Soap salesmen.....	M	w	18.00	.....	15.00	n	n	n	n
Teamster.....	M	w	12.00	.....	.....	n	n	n	n
<i>Wholesale Petroleum—</i>										
Drivers.....	M	m	60.00	50.00	30.00	10	60	n	n	
Office help.....	M	m	135.00	60.00	25.00	9	54	n	n	
Warehousemen.....	M	m	85.00	.....	50.00	10	60	n	n
<i>Wholesale Shoes—</i>										
House salesman.....	M	m	82.32	.....	.....	9	54	none	none
Housemen.....	M	m	35.00	.....	.....	9	54	none	none
Shipping man.....	M	m	60.00	.....	.....	9	54	none	none
Stenographers.....	F	m	50.00	.....	30.00	9	54	none	none
<i>Windmills, Tanks, Etc., Mfg.—</i>										
Blacksmiths.....	M	d	2.25	.....	.....	10	60	n	n
Machinists.....	M	d	2.25	.....	2.50	10	60	n	n
Moulders.....	M	d	2.75	.....	.....	10	60	n	n
Woodworkers.....	M	d	2.25	.....	.....	10	60	n	n
<i>Woolen Cloth Mfg.—</i>										
Carder.....	M	w	18.00	.....	.....	9 1/2	57	n	n
Dyer.....	M	w	21.00	.....	.....	9 1/2	57	n	n
Finisher.....	M	w	18.00	.....	.....	9 1/2	57	n	n
Machinists.....	M	w	18.00	.....	.....	9 1/2	57	n	n
Spinners.....	M	w	18.00	.....	.....	9 1/2	57	n	n
Spoolers.....	M	w	12.50	.....	.....	9 1/2	57	n	n
Weavers.....	F	w	9.00	.....	.....	9 1/2	57	n	n
Wool sorters.....	M	w	15.50	.....	.....	9 1/2	57	n	n

POTTAWATTAMIE COUNTY.

<i>Agricultural Imple-ments (Jobbers)</i>									
Cavassers.....	M	m	60.00	.....	.....	10	60	none	none
Foremen.....	M	m	100.00	75.00	60.00	10	60	none	none
Managers.....	M	m	125.00	100.00	80.00	n	n	n	n
Office help.....	M	m	75.00	65.00	60.00	10	60	none	none
Stenographer.....	F	m	60.00	.....	.....	10	60	none	none
Warehousemen.....	M	d	1.75	.....	.....	10	60	none	none
<i>Agricultural Imple-ments Mfg.—</i>									
Blacksmiths.....	M	d	2.00	.....	1.75	10	60	n	n
Boys.....	M	d	1.00	.75	.50	10	60	n	n
Common laborers.....	M	d	1.75	1.50	1.25	10	60	n	n
Foremen.....	M	d	3.25	2.25	2.00	10	60	n	n
Moulders.....	M	d	2.75	2.50	2.00	10	60	n	n
Moulders' appren.....	M	d	2.00	.....	.....	10	60	n	n
Pattern makers.....	M	d	2.75	.....	.....	10	10	n	n

n Not reported

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

POTTAWATTAMIE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per Wk	In-crease	De-crease	
<i>Cigars Mfg.—</i>										
Cigar makers.....	M	w	\$ 5.00	\$ 4.50		9	54	n	n	
Cigar makers.....	M	w	7.00	4.00		9	54	n	n	
Tobacco strippers.....	M	w	3.50			9	54	n	n	
Tobacco strippers.....	F	w	4.00			9	54	n	n	
<i>Flourmilling and Grain—</i>										
Bookkeeper.....	M	m	85.00			10	60	none	none	
Engineers.....	M	m	65.00	45.00		10	60	none	none	
Laborers.....	M	m	40.00			10	60	none	none	
Manager.....	M	m	100.00			10	60	none	none	
Millers.....	M	m	80.00	50.00		10	60	none	none	
Packer.....	M	m	45.00			10	60	none	none	
Sweeper.....	M	m	25.00			10	60	none	none	
Teamster.....	M	m	40.00			10	60	none	none	
<i>Gas, Electric Light and Power—</i>										
Gasmaker.....	M	m	90.00			12	84	n	n	
Gasfitters.....	M	m	52.00			10	60	n	n	
Gas-house helpers.....	M	m	55.00	50.00	45.00	12	84	n	n	
Linemen.....	M	h	.28	.19	.10	9	54	n	n	
Meterman.....	M	m	86.66			9	54	n	n	
Sub. station man.....	M	m	60.00			12	84	n	n	
<i>Gas for R. R. Companies—</i>										
Car fillers.....	M	m	55.00			10	70	104		
Engineer.....	M	m	67.00			10	70	104		
Gasmakers.....	M	m	60.00			10	70	104		
Superintendent.....	M	m	100.00			10	70	104		
<i>Heating and Plumbing—</i>										
Laborers.....	M	d	1.75			10	50	none	none	
Helpers.....	M	d	1.75			8	44	none	none	
Painters.....	M	d	2.50			10	50	none	none	
Plumbers.....	M	d	4.00			8	44	none	none	
Steamfitters.....	M	d	4.00			8	44	none	none	
<i>House Furnishings (Retail)—</i>										
Bookkeeper.....	F	m	55.00			10	64	none	none	
Cabinetmaker.....	M	m	55.00			10	64	none	none	
Clerk.....	F	m	35.00			10	64	none	none	
Clerks.....	M	m	70.00	60.00	40.00	10	64	none	none	
Collector.....	M	m	50.00			10	64	none	none	
Drivers.....	M	m	50.00	48.00		10	64	none	none	
Laborers.....	M	m	35.00			10	64	none	none	
Managers.....	M	m	150.00	125.00	100.00	10	64	none	none	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

POTTAWATTAMIE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905.		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Laundry—</i>										
Collar ironer.....	F	w	\$ 6.00	\$.....	\$.....	10	60	none	none	
Drivers.....	M	w	10.00	.....	.....	10	60	none	none
Engineers.....	M	w	15.00	.....	.....	10	60	none	none
Finishers.....	F	w	6.00	.....	.....	10	60	none	none
Hand ironers.....	F	w	6.00	.....	.....	10	60	none	none
Mangle girls.....	F	w	5.00	.....	.....	10	60	none	none
Marking.....	F	w	6.00	.....	.....	10	60	none	none
Sorters.....	F	w	6.00	.....	.....	10	60	none	none
Starchers.....	F	w	5.00	.....	.....	10	60	none	none
Washman.....	M	w	10.00	.....	.....	10	60	none	none
<i>Machine Shop—</i>										
Blacksmiths.....	M	d	3.00	2.50	1.88	10	60	none	none	
Helpers.....	M	w	11.25	.....	10.00	10	60	n	n
Machinists.....	M	d	3.50	3.00	2.88	10	60	n	n	
Manager.....	M	m	85.00	.....	.....	10	60	n	n
Painters.....	M	d	3.00	.....	2.00	10	60	n	n
Salesmen.....	M	m	60.00	.....	45.00	10	60	n	n
Woodworkers.....	M	d	2.50	.....	.....	10	60	n	n
<i>Planing-mill—</i>										
Beach men.....	M	h	.30	.....	.....	9	54	n	n
Helpers.....	M	h	.15	.....	.....	9	54	n	n
Moulding men.....	M	h	.30	.....	.....	9	54	n	n
Sash and door man.....	M	h	.30	.....	.....	9	54	n	n
<i>Planing-mill—</i>										
Office men.....	M	m	125.00	82.50	55.00	10	60	n	n	
Shop men.....	M	m	85.00	75.00	65.00	10	60	n	n	
Teamsters.....	M	m	50.00	45.00	40.00	10	60	n	n	
Yardmen.....	M	m	80.00	65.00	48.00	10	60	n	n	
<i>Plumbing and Heat-ing—</i>										
Apprentices.....	M	h	.10	.....	.....	8	48	none	none
Drivers.....	M	h	.17	.....	.....	10	60	none	none
Plumbers.....	M	h	.50	.....	.....	8	44	none	none
Steam fitters.....	M	h	.25	.....	.....	8	44	none	none
Steam fl. helpers.....	M	h	.23	.....	.....	8	48	none	none
<i>Street Railway—</i>										
Bridge men.....	M	h	50.00	.....	.15	10	60	n	n
Car washers.....	M	m	42.50	.....	40.00	10	70	n	n
Car placers.....	M	h	.22	.21	.20	10	70	n	n	
Conductors.....	M	h	.30	.27	.25	10	60	n	n	
Linemen.....	M	h	.22	.21	.20	10	70	n	n	
Motor men.....	M	h	.15	.....	.....	12	84	n	n
Toll takers.....	M	h	.15	.....	.....	10	60	n	n
Trackmen.....	M	h	.17	.....	.....	10	60	n	n
Watchmen.....	M	m	50.00	.....	45.00	n	n	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

POTTAWATTAMIE COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905.		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
Wholesale Drugs—										
Bookkeeper.....	M	m	110.00	\$.....	\$.....	n	n	19%		
Bookkeeper asst.	F	w	10.00	.....	.....	n	n		n
Clerks.....	M	m	60.00	.....	.....	n	n	20%	
Clerks, order.....	M	m	65.00	.....	40.00	n	n	10%	
Clerk, price.....	M	m	105.00	.....	.....	n	n	5%	
Secretary.....	M	m	150.00	.....	.....	n	n	25%	
Stenographer.....	F	w	10.00	.....	.....	n	n	10%	
Wash housemen.....	M	m	50.00	.....	30.00	n	n	5%	
Wholesale Imple-ments—										
Clerks.....	M	m	100.00	.....	35.00	9	54	n	n
Salesmen.....	M	m	125.00	100.00	40.00	9	54	n	n	
Warehousemen.....	M	d	2.50	1.50	1.00	10	60	n	p	

SAC COUNTY.

Cement Blocks Mfg.—									
Laborers.....	M	d	1.75	.....	1.50	10	50	n	n
Drain Pipe and Molds Mfg.—									
Common laborers.....	M	d	2.00	1.75	1.50	10	50	10%	.....
Flour Milling—									
Common Laborers.....	M	d	2.00	1.50	1.25	10	60	20%	.....
Millers.....	M	d	2.25	.....	2.00	10	60	n	n

SCOTT COUNTY.

Bakery—									
Bench hands.....	M	w	13.00	.....	10.00	10	60	n	n
Clerk.....	F	w	5.00	.....	.....	10	60	n	n
Foremen.....	M	w	21.00	18.00	12.00	10	60	n	n
Helper.....	M	w	12.00	.....	8.00	10	60	n	n
Mixer.....	M	w	15.00	.....	13.00	10	60	n	n
Ovenman.....	M	w	17.00	.....	14.00	10	60	n	n
Brewery—									
Bottlers.....	M	w	11.00	.....	5.50	9	54	none	none
Brewers.....	M	w	20.00	.....	16.00	9	54	none	none
Common laborers.....	M	h	17.5	.....	.....	9	54	none	none
Drivers.....	M	w	17.00	.....	.....	9	54	none	none
Elevatormen.....	M	w	12.00	.....	.....	9	54	none	none
Engineers.....	M	w	15.00	.....	.....	9	54	none	none
Firemen.....	M	w	14.00	.....	.....	9	54	none	none
Malsters.....	M	w	16.00	.....	.....	9	54	none	none
Stablemen.....	M	w	12.00	.....	.....	9	54	none	none

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

SCOTT COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per Wk	In-crease	De-crease	
<i>Butter, Eggs and Poultry—</i>										
Buttermaker	M	w	\$23.00	\$.....	\$.....	10	60	n	n	
City salesman.....	M	w	20.00	.....	.....	10	60	n	n
Clerk.....	F	w	5.00	.....	.....	8	48	n	n
Common help.....	M	w	10.00	.....	.....	10	60	n	n
Common help.....	F	w	4.50	.....	.....	8	48	n	n
Engineer.....	M	w	15.00	.....	.....	10	60	n	n
Foreman.....	M	w	17.50	.....	.....	12	84	n	n
Ice cream maker.....	M	w	17.51	.....	.....	10	60	n	n
Manager.....	M	w	25.00	.....	.....	10	60	n	n
Officeman.....	M	w	20.00	.....	.....	10	60	n	n
President.....	M	w	12.50	.....	.....	n	n	n	n
Process butter.....	M	w	17.50	.....	.....	10	60	n	n
Teamster.....	M	w	12.00	.....	.....	10	60	n	n
<i>Cans Mfg.—</i>										
Machine shop hands.....	M	h	.374	.30	.12	10	60	n	n	
Factory hands.....	M	h	.80	.15	.06	10	60	n	n	
Factory hands.....	F	h	.20	.124	.06	10	60	n	n	
<i>Carpet Looms Mfg.—</i>										
Foreman.....	M	d	2.75	.....	.....	10	60	none	none
Machinists.....	M	d	2.75	.....	2.50	10	60	none	none
Machinists' helpers.....	M	d	1.75	.....	1.50	10	60	none	none
Woodworkers.....	M	d	2.75	.....	.....	10	60	none	none
Woodworkers' help-ers.....	M	d	2.00	.....	.....	10	60	none	none
<i>Cigars and Smoking Tobacco Mfg.—</i>										
Cigarmakers.....	M	w	21.00	13.00	9.00	8	48	none	none	
Cigarmakers.....	F	w	15.00	11.00	8.00	8	48	none	none	
General help.....	M	w	11.00	9.00	3.00	8	48	none	none	
Packing cigars.....	F	w	15.00	7.00	5.00	8	48	none	none	
Packing tobacco.....	F	w	7.00	5.50	3.00	8	48	none	none	
Stripping tobacco.....	F	w	8.50	6.00	2.50	8	48	none	none	
<i>Cigars Mfg.—</i>										
Apprentices.....	F	w	5.00	.....	.....	8	48	n	n
Cigarmakers.....	M	w	5.00	.....	.....	8	48	n	n
Tobacco strippers.....	F	w	5.00	.....	.....	8	48	n	n
<i>Crackers and Biscuit Mfg.—</i>										
Bakers.....	M	d	2.75	2.00	1.83	94	57	10%	.....
Carpenter.....	M	d	3.17	.....	2.75	94	57	10%	.....
Electrician.....	M	d	3.17	.....	2.75	94	57	10%	.....
Engineer.....	M	d	3.17	.....	2.75	94	57	10%	.....
General help.....	M	d	2.00	1.67	1.50	94	57	5%	.....
Iceing room.....	F	d	1.00	.67	.58	94	57	5%	.....
Packing room.....	F	d	1.00	.67	.58	94	57	5%	.....
<i>Confectionery Mfg.—</i>										
Caramel wrappers.....	F	d	.75	.60	.50	10	50	5%	.....
Chocolate dippers.....	F	d	1.16	.60	.50	10	50	5%	.....
Cream candy makers.....	M	d	2.32	1.75	1.50	10	50	5%	.....
Helper boys.....	M	d	.75	.60	.50	10	50	5%	.....

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1906—CONTINUED.

SCOTT COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
Contracting and Building—										
Carpenters.....	M	h	\$.411	\$.321	\$.271	9	54	8%		
Common laborers.....	M	h	.25	.20	.10	n	n	n	n	
Stonecutters.....	M	h	.50			8	48	n	n	
Stonemasons.....	M	h	.50			8	48	n	n	
Teamsters.....	M	h	.22	.161	.15	10	63	n	n	
Dairy Products—										
Drivers.....	M	w	11.00			12	84	none	none	
Freezing room.....	M	w	11.00			12	84	none	none	
Office help.....	F	w	6.00			10	65	none	none	
Department Store—										
Cash girls.....	F	w	2.50			n	n	n	n	
Cash boys.....	M	w	2.50			n	n	n	n	
Clerks.....	M	w	30.00	12.00	4.50	9	57	n	n	
Clerks.....	F	w	12.00	7.00	3.00	9	57	n	n	
Engineer.....	M	w	17.00		10.00	9	57	n	n	
Floorwalkers.....	M	w	23.00		20.00	9	57	n	n	
Office force.....	M	w	17.00			9	57	n	n	
Office force.....	F	w	17.00	8.00	5.00	9	57	n	n	
Porters.....	M	w	10.00			9	57	n	n	
Porters.....	F	w	6.00			9	57	n	n	
Floor Tile Mfg.—										
Apprentices.....	M	h	.15		.10	9	54	n	n	
Common laborers.....	M	h	.174		.15	9	54	n	n	
Floor tile setters.....	M	h	.35		.20	9	54	20%		
Granite cutters.....	M	h	.35		.30	9	54	20%		
Granite setters.....	M	h	.35		.30	9	54	20%		
Marble cutters.....	M	h	.35		.30	9	54	20%		
Monument setters.....	M	h	.35		.30	9	54	20%		
Salesman.....	M	h	.35			10	60	n	n	
Flour Mill—										
Brannacker.....	M	w	10.00			10	60	none	none	
Driver.....	M	w	12.00			10	60	none	none	
Engineer.....	M	w	18.00			10	60	none	none	
Fireman.....	M	w	12.00			10	60	none	none	
Floorman.....	M	w	11.00		10.00	10	60	none	none	
Flourpackers.....	M	w	11.00			10	60	none	none	
Millers.....	M	m	100.00		50.00	10	60	none	none	
Olief.....	M	w	10.00			10	60	none	none	
Foundry and Machine Shop—										
Blacksmiths.....	M	h	.321		.25	10	59	10%		
Machinists.....	M	h	.321	.29	.25	10	59	10%		
Machinists' apprentices.....	M	h	.20	.11	.074	10	59	n	n	
Helpers.....	M	h	.20	.184	.174	10	59	10%		
Moulders.....	M	h	.321	.30	.274	10	59	10%		
Moulders' helpers.....	M	h	.174	.16	.15	10	59	n	n	
Patternmakers.....	M	h	.321		.221	10	59	10%		
Foundry—										
Casting cleaners.....	M	d	2.00	1.75	1.50	10	60	n	n	
Coremakers.....	M	d	1.50			10	60	n	n	
Moulders.....	M	d	2.75	2.00	1.50	10	60	n	n	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1906—CONTINUED.

SCOTT COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Foundry and Machine Shop and Washing Machines Mfg.—</i>										
Coremakers	M	d	\$ 1.75	\$.	\$.	10	59	n	n	
Coopers	M	d	4.00		2.00	10	59	n	n	
Fireman	M	d	2.00			10	59	n	n	
Handymen	M	d	2.00	1.00	1.50	10	59	n	n	
Machinists	M	d	3.00			10	59	n	n	
Machinists' apprentices	M	d	2.25	1.50	1.00	10	59	10%		
Moulders	M	d	4.00		2.00	10	59	n	n	
Painters	M	d	4.50	1.75	1.25	10	59	n	n	
Woodworkers	M	d	3.25	1.75	1.00	10	59	5%		
<i>Furniture Mfg.—</i>										
Cabinetmakers	M	w	15.00	12.00	9.00	10	60	21%	none	
Common laborers	M	w	9.00		7.00	10	60	none	none	
Finishers	M	w	10.00	7.50	4.00	10	60	21%	none	
Machinemen	M	w	18.00	12.00	9.00	10	60	21%	none	
Teamster	M	w	11.00			10	60	5%		
<i>Hotel—</i>										
Bakers	M	m	65.00		30.00	9	63	none	none	
Bartender	M	m	100.00		40.00	9	54	none	none	
Clerks	M	m	65.00		25.00	9	63	none	none	
Dining room	F	m	25.00		10.00	9	63	none	none	
Housekeepers' dept.	F	m	25.00		14.00	9	63	none	none	
Office	M	m	65.00		10.00	9	63	none	none	
Stewards' dept.	F	m	25.00		12.00	9	63	none	none	
Stewards' dept.	M	m	65.00		12.00	9	63	none	none	
<i>House Furnishings (Retail)—</i>										
Carpetlayer	M	w	18.00			10	60	n	n	
Clerks	M	w	20.00	18.00	16.50	10	63	n	n	
Finisher	M	w	13.50			10	60	n	n	
Helpers	M	w	13.50	12.00	10.00	10	60	n	n	
Porters	M	w	10.00			10	63	n	n	
Seamsters	F	w	7.50			10	60	n	n	
<i>Laundry—</i>										
Engineer	M	m	40.00			10	60	none	none	
Foreman	M	m	50.00			10	60	none	none	
Ironers	F	m	20.00		20.00	10	60	none	none	
Laborers	M	m	35.00			10	60	none	none	
Mangle girls	F	m	20.00			10	60	none	none	
Washman	F	m	40.00			10	60	none	none	
<i>Laundry—</i>										
Drivers	M	w	16.00		11.00	10	60	n	n	
Engineer	M	w	12.00			12	72	n	n	
Ironers and starch-ers	F	w	7.00		5.00	10	60	n	n	
Mangle girls	F	w	4.00		4.00	10	60	n	n	
Washers	M	w	11.00		8.00	10	60	n	n	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

SCOTT COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent. for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Lumber Mfg.—</i>										
Carriage tender	M	d	\$ 3.00	\$ 2.50	\$ 2.00	10	60	n	n	
Edgerman	M	d	3.50	3.25	3.00	10	60	15%	n	
Filers	M	d	4.50	4.00	3.50	10	60	n	n	
Laborers	M	d	2.50	2.00	1.60	10	60	5%	n	
Sawyers	M	w	7.00	5.00	4.00	10	60	5%	n	
Teamsters	M	d	2.00	1.80	1.60	10	60	5%	n	
<i>Macaroni and Crack-ers Mfg.—</i>										
Bakers	M	h	.40	.20	.15	10	60	n	n	
Nailers	M	h	.10	.07½	.06	10	60	n	n	
Packers	F	h	.10	.07½	.05	10	60	n	n	
<i>Malt and Grain—</i>										
Engineer	M	w	17.50	.....	17.00	11	66	6%	n
Foreman	M	w	19.50	.....	.....	9	54	6%	n
Fireman	M	w	15.00	.....	.....	10	62	5%	n
Maltsters	M	w	15.00	.....	.....	n	n	7%	n
Millmen	M	w	13.00	.....	.....	n	n	7%	n
<i>Pearl Buttons Mfg.—</i>										
Drillers	F	Gr.	.011	.01	.01	10	59	none	none	
Grinders	F	Gr.	.35	.25	.20	10	59	none	none	
Sawyers	M	Gr.	.13	.08	.06	10	59	none	none	
Sewers	F	Gr.	.024	.....	.02	10	59	none	none
Shapers	F	Gr.	.011	.01	.01	10	59	none	none	
Sorters	F	Gr.	.01	.01	.01	10	59	none	none	
<i>Plate Glass and Paint Mfg.—</i>										
Benders	M	h	.25	.15	.09	10	60	none	none	
Glass cutters	M	h	.22	.15	.10	10	60	none	none	
Helpers	M	h	.12	.10	.09	10	60	none	none	
Leaded glassmen ..	M	h	.25	.15	.09	10	60	none	none	
Silverers	M	h	.17	.....	.....	10	60	none	none
<i>Pork Packing—</i>										
Butchers	M	h	.224	.....	.20	10	59	n	n
Helpers	M	h	.19	.....	.164	10	58	n	n
Drivers	M	h	.30	.....	.184	10	60	n	n
Lardmen	M	h	.224	.....	.174	10	57	n	n
Office help	M	m	60.00	.....	.....	n	n	n	n
Office help	M	m	20.00	.....	15.00	10	60	n	n
Packers	M	h	.194	.....	.164	10	60	n	n
Sausage makers	M	h	.24	.....	.20	10	58	n	n
Shipping clerks	M	h	.25	.....	.20	10	60	n	n
Smoke housemen ..	M	h	.224	.....	.164	10	58	n	n
<i>Plumbing and Heat-ing—</i>										
Plumbers	M	w	23.00	.....	21.00	8	48	none	none
Steamfitters	M	w	21.00	.....	18.00	8	48	none	none
<i>Printing and Binding—</i>										
Bookbinders	M	w	18.00	15.00	6.00	9	54	none	none	
Pressmen	M	w	20.00	13.50	7.50	9	54	none	none	
Printers	M	w	24.00	15.00	6.00	9	54	none	none	
Sewers	F	w	7.50	4.20	3.30	9	54	none	none	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

SCOTT COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent. for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Publishing Maps, Atlases, etc.—</i>										
Boy	M	w	\$ 3.50	.....	.....	8	48	n	n
Engineers	M	w	20.00	.....	12.00	8	48	n	n
Office help	M	w	15.00	.....	.....	8	48	n	n
Stenciling	M	w	7.00	.....	6.00	8	48	n	n
Stenographer	F	w	7.00	.....	6.00	8	48	n	n
Roadmen	M	m	125.00	75.00	50.00	n	n	n	n	
<i>Sash and Doors Mfg.—</i>										
Bench hands	M	h	.30	.....	.274	9	54	n	n
Engineer	M	w	12.15	.....	.....	9	54	n	n
Glazier	M	h	.25	.....	.....	9	54	n	n
Machine hands	M	h	.30	.....	.25	9	54	n	n
Teamster	M	w	10.00	.....	.....	9	54	n	n
<i>Sash Doors Mfg.—</i>										
Carpenters	M	h	.30	.25	.20	9	54	n	n	
Glaziers	M	h	.30	.25	.174	9	54	3%	n	
Helpers	M	d	1.50	1.35	1.25	9	54	n	n	
Machine men	M	h	.30	.274	.25	9	54	n	n	
Stair builders	M	h	.374	.324	.274	9	54	8%	n	
Yardmen	M	w	12.30	.....	10.00	9	54	n	n
<i>Steel Freight Cars Mfg.—</i>										
Engineers	M	h	.35	.....	.22	12	72	none	none
Firemen	M	h	.18	.....	.17	11	66	none	none
General laborers ..	M	h	.18	.....	.15	10	50	none	none
Machinists	M	h	.30	.....	.20	10	50	none	none
Machine operators ..	M	h	.30	.....	.18	10	50	none	none
Pattern makers	M	h	.30	.....	.19	10	50	none	none
Pipe fitters	M	h	.30	.....	.18	10	50	none	none
Superintendent	M	m	175.00	.....	85.00	10	50	none	none
<i>Street Railway—</i>										
Car house and shop hands	M	h	.30	.19	.10	10	60	none	none	
Factory hands	M	h	.274	.24	.174	10	60	none	none	
Linemen	M	h	.30	.....	.....	10	60	none	none
Power station	M	m	70.00	55.26	50.00	10	70	none	none	
Trackmen	M	h	.174	.....	.15	10	60	none	none
Trainmen	M	h	.25	.....	.....	10	60	none	none
<i>Vinegar and Pickles Mfg.—</i>										
Bookkeeper	M	m	83.33	.....	.....	10	60	n	n
Distiller	M	m	83.33	.....	.....	10	60	25%	n
Driver	M	w	19.00	.....	.....	10	60	n	n
Filler	M	w	19.00	.....	.....	10	60	n	n
Generator man	M	w	19.00	.....	.....	10	60	n	n
Hands	M	d	1.50	.....	.....	10	60	n	n
Manager	M	m	108.33	.....	.....	10	60	n	n
Pickle boss	M	m	75.00	.....	.....	10	60	n	n
Salesman	M	m	100.00	.....	.....	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

SCOTT COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Washing Machines Mfg.—</i>										
Bookkeepers.....	M	w	\$17.50	\$.....	\$12.00	8	48	10%		
Engineer.....	M	w	14.00	.....	.....	10	60	10%	
Machine hands.....	M	w	12.00	.....	9.00	10	60	10%	
Manager.....	M	w	46.00	7.50	.....	8	50	none	none
Stenographers.....	F	w	15.00	.....	7.00	8	48	10%	
Superintendents.....	M	w	27.00	.....	24.00	10	60	none	none
Teamsters.....	M	w	11.00	.....	9.00	10	60	10%	
Watchman.....	M	w	10.00	.....	.....	10	60	10%	
Woodworkers.....	M	w	13.50	.....	.....	10	60	none	none
<i>Washing Machines Mfg.—</i>										
Coppers.....	M	d	2.00	.....	.....	9	54	n	n
Engineer.....	M	d	2.00	.....	.....	11	66	n	n
Finishers.....	M	d	1.75	.....	.....	10	60	n	n
Foreman.....	M	d	3.00	.....	.....	10	60	n	n
Woodworkers.....	M	d	1.50	.....	.....	10	60	n	n
<i>Washing Machines and Gas Engines Mfg.—</i>										
Assemblymen.....	M	d	2.00	1.75	1.50	10	60	n	n	
Bookkeeper.....	M	w	15.00	.....	.....	10	60	n	n
Boys.....	M	w	6.00	4.25	2.40	10	60	n	n	
Coopers.....	M	d	2.00	.....	.....	9	54	n	n
Drillmen.....	M	d	1.50	.....	.....	10	60	n	n
Engineer.....	M	w	15.00	.....	.....	10	60	n	n
Foreman.....	M	m	90.00	75.00	60.00	10	60	n	n	
Joiner.....	M	d	1.75	1.67	1.50	10	60	n	n	
Painters.....	M	d	2.00	1.75	1.50	10	60	n	n	
Stenographers.....	F	w	10.50	9.00	8.50	n	n	n	n	
Watchman.....	M	d	1.75	.....	.....	12	84	n	n
<i>Water Supply—</i>										
Engineers.....	M	m	100.00	75.00	60.00	8	56	none	none	
Filtermen.....	M	m	50.00	.....	.....	8	56	none	none
Firemen.....	M	m	50.00	.....	45.00	8	56	none	none
Metermen.....	M	m	75.00	.....	40.00	10	60	none	none
Street laborers.....	M	d	1.75	.....	.....	10	60	none	none
<i>Wholesale Grocery—</i>										
Bookkeeper.....	M	m	100.00	.....	.....	10	60	11%	
China decorators.....	M	w	22.00	.....	.....	9	54	n	n
Common laborers.....	M	w	12.70	.....	8.00	10	60	n	n
Drivers.....	M	m	60.00	.....	.....	10	60	n	n
Manager.....	M	m	150.00	.....	.....	10	60	n	n
Salesmen.....	M	m	150.00	100.00	60.00	10	60	n	n	
Salesladies.....	F	w	10.00	.....	7.00	10	60	20%	
Stenographer.....	F	w	10.00	.....	.....	9	54	n	n
<i>Wholesale and Retail Hardware—</i>										
Clerks, office.....	M	m	91.67	.....	45.00	10	63	10%	
Clerks, office.....	F	m	40.00	.....	.....	9	54	10%	
Clerk, sales.....	M	m	70.00	55.00	25.00	10	63	124%		
Clerk, shipping.....	M	m	60.00	.....	.....	10	63	9%	
Helpers.....	M	m	30.00	.....	12.00	10	63	20%	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

SCOTT COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
Woolen Goods Mfg.—										
Carding.....	M	w \$	13.50	\$.....	\$ 9.00	10	60	n	n	
Dyeing.....	F	w	1.00	.....	.....	10	60	n	n
Finishing.....	M	w	16.50	.....	.....	10	60	n	n
Finishing.....	M	w	18.00	.....	15.00	10	60	n	n
Manufacturing.....	F	w	4.00	.....	3.00	10	60	n	n
Spinning.....	M	w	20.00	.....	.....	10	60	n	n
Spinning.....	F	w	12.00	.....	.....	10	60	n	n
Spinning.....	M	w	4.00	.....	.....	10	60	n	n
Weaving.....	M	w	15.00	.....	.....	10	60	n	n
Wool scouring.....	M	w	9.00	.....	.....	10	60	n	n

SIOUX COUNTY.

<i>Brick and Tile Mfg.—</i>									
Brick setters.....	M	d	\$ 1.75	\$.....	\$.....	10	60	none	none
Brick makers.....	M	d	1.75	.....	10	60	none	none	
Brick wheelers.....	M	d	1.75	.....	10	60	none	none	
Brick burners.....	M	d	2.00	.....	12	72	none	none	
Engineer.....	M	d	2.00	.....	10	60	none	none	
<i>Flour Milling—</i>									
Engineer.....	M	m	65.00	.....	10	60	none	none	
Firemen.....	M	m	35.00	.....	10	60	none	none	
Millers.....	M	m	80.00	60.00	40.00	10	60	none	none
Workmen.....	M	m	55.00	45.00	35.00	10	60	none	none
<i>Flour Milling and Grain—</i>									
Engineer.....	M	m	48.00	.....	11	66	none	none	
Manager.....	M	m	75.00	.....	10	60	none	none	
Millers.....	M	m	62.50	.....	37.50	11	66	none	none
Sweeper.....	M	m	35.00	.....	10	60	none	none	
Teamster.....	M	m	30.00	.....	10	60	none	none	
<i>Printing and Publish- ing—</i>									
Foreman.....	M	m	50.00	.....	8	48	n	n	
Printers.....	M	m	40.00	.....	8	48	n	n	
Printers.....	F	m	25.00	15.00	10.00	8	44	none	none

UNION COUNTY.

<i>Cigars and Tobacco Mfg.—</i>									
Cigarmakers.....	M	w	10.00	.....	8	48	n	n	
Tobacco strippers.....	M	w	8.00	.....	9	54	n	n	
n Not reported.									

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

UNION COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>*Hotel—</i>										
Bellboys.....	M	m	\$ 7.00	\$.....	\$.....	12	84	n	n	
Cashier.....	F	m	10.00	.....	.....	12	84	n	n
Chambermaids.....	F	m	18.00	15.00	.....	12	84	n	n
Clerks.....	M	m	35.00	.....	.....	12	84	n	n
Cook.....	M	m	50.00	20.00	15.00	12	84	n	n	
Dishwashers.....	F	m	12.00	.....	.....	12	84	n	n
Laundry women.....	F	m	20.00	13.50	12.84	12	84	n	n	
Porters.....	M	m	20.00	15.00	12.84	12	84	n	n	
Silverwasher.....	F	m	12.00	8.00	12.84	12	84	n	n	
<i>Printing and Book-binding—</i>										
Bookkeeper.....	M	w	12.00	.....	.....	9	54	n	n
Bookbinder.....	M	w	12.00	.....	.....	9	54	n	n
Bookbinder.....	F	w	2.00	.....	.....	9	54	n	n
Pressman.....	M	w	5.00	.....	.....	9	54	n	n
Printer.....	M	w	12.00	.....	.....	9	54	n	n
Printer.....	F	w	6.00	.....	.....	9	54	n	n
Salesman.....	M	w	12.00	.....	.....	9	54	n	n
<i>Printing, Publishing—</i>										
Advertising man.....	M	w	5.00	.....	.....	9	54	n	n
Linotype operator.....	F	w	12.00	.....	.....	9	54	n	n
Linotype machinist.....	M	w	18.00	.....	.....	9	54	n	n
Pressman.....	M	w	10.50	4.00	.....	9	54	n	n
<i>Publishing and Job Printing—</i>										
Advertising man.....	M	w	15.00	.....	.....	9	54	n	n
Bookkeeper.....	F	w	10.00	.....	.....	9	54	n	n
Carrier boys.....	M	w	1.00	.....	.....	2 1/2	15	n	n
Linotype operators.....	M	w	12.00	.....	.....	9	54	n	n
Linotype operator.....	F	w	6.00	.....	.....	9	54	n	n
Night foreman.....	M	w	10.00	.....	.....	9	54	n	n
Pressboy.....	M	w	3.50	.....	.....	9	54	n	n
Reporter.....	M	w	12.00	.....	.....	9	54	n	n
Solicitor.....	F	w	10.00	.....	.....	9	54	n	n
<i>Railway Repair Shops—</i>										
Blacksmiths.....	M	h	.28	.....	.....	9	54	n	n
Boilermakers.....	M	h	.30	10 1/2	.....	9	54	n	n
Coppersmiths.....	M	h	.28	.....	.....	9	54	n	n
Drillers.....	M	h	.19	15	.....	9	54	n	n
Locomotive carpenters.....	M	h	.24	17 1/2	.....	9	54	n	n
Machinists.....	M	h	.30	.....	.....	9	54	n	n
Machinists' helpers.....	M	h	.16 1/2	15	.....	9	54	n	n
Painters.....	M	h	.20	15	.....	9	54	n	n
Specialists.....	M	h	.19	15	.....	9	54	n	n
Stationary engineer.....	M	h	.17 1/2	.....	.....	9	54	n	n
<i>Telephone Exchange—</i>										
Bookkeeper.....	F	m	28.00	.....	.....	7 1/2	45	n	n
Foreman.....	M	m	60.00	.....	.....	10	60	n	n
Manager.....	M	m	100.00	.....	.....	10	60	n	n
Operators.....	M	m	24.00	20.00	18.00	9 1/2	60	5 1/2	n	
Troubleman.....	M	m	32.00	.....	.....	10	60	n	n

* In addition to compensation all employees are allowed room and board.

n Not reported.

BUREAU OF LABOR STATISTICS

VAN BUREN COUNTY.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per Wk	In-crease	De-crease	
Woolen Mill and Cloth-ing Mfg.—										
Carder.....	M	h	\$.20	\$.....	\$.....	10	60	none	none	
Cardboys.....	M	h	.07 1/2	.05	.....	10	60	none	none
Coatmakers.....	M	h	.30	.....	.....	10	60	none	none
Coat-helpers.....	F	h	.12 1/2	.07	.....	10	60	none	none
Cutters.....	M	h	.25	.....	.....	10	60	none	none
Dyer and finisher.....	M	h	.20	.....	.15	10	60	none	none
Dye-house helper.....	M	h	.12 1/2	.11	.....	10	60	none	none
Engineer.....	M	h	.20	.17 1/2	.....	10	60	none	none
Finishing room.....	M	h	.12 1/2	.11	.....	10	60	none	none
Spinnakers.....	M	h	.15	.....	.....	10	60	none	none
Spinnors.....	M	h	.15	.....	.....	10	60	none	none
Pressers.....	M	h	.17 1/2	.....	.....	10	60	none	none
Spoolers.....	F	h	.15	.07	.12 1/2	10	60	none	none	
Warper.....	M	h	.15	.....	.05	10	60	none	none
Weavroom fore-man.....	M	h	.20	.....	.....	10	60	none	none
Weavers.....	F	h	.08	.06	.04	10	60	none	none	

WAPPELO COUNTY.

Beer and Ice Mfg.—

Bricklayers.....	M	h	\$.62 1/2	\$.....	\$.55	8	48	n	n
Carpenters.....	M	h	.37 1/2	.36	.33 1/2	8	48	n	n
Concrete workers.....	M	h	.37 1/2	.35	.33 1/2	12	72	n	n
Engineers.....	M	h	.30	.18 1/2	.18	12	72	n	n
Fireman.....	M	h	.35	.33	.33	12	72	n	n
Hodcarriers.....	M	h	.35	.33	.33	12	72	n	n
Icecutters.....	M	h	.35	.33	.33	12	72	n	n
Laborers.....	M	h	.45	.43	.40	8	48	n	n
Plasterers.....	M	h	.45	.43	.40	8	48	n	n
Stonemasons.....	M	h	.45	.43	.40	8	48	n	n

Cigars Mfg.—

Cigarmakers.....	M	d	2.50	1.80	.50	8	48	n	n
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Confectionery Mfg.—

Candy-maker.....	M	w	18.00	10	50	n	n
Candy-maker helper.....	M	w	7.00	4.00	10	50	n	n	n
Cream-dippers.....	F	w	6.00	.....	.....	10	50	n	n
Chocolate.....	F	w	6.00	2.50	10	50	n	n	n

Haying Machinery Mfg.—

Blacksmiths.....	M	d	3.00	2.10	10	60	none	none	none
Bookkeepers.....	M	m	80.00	70.00	10	60	none	none	none
Clerks.....	M	m	100.00	80.00	40.00	10	60	none	none
Carmakers.....	M	d	2.50	1.50	70	10	60	none	none
Engineer.....	M	d	1.75	.75	10	60	none	none	none
Erectors.....	M	d	2.10	1.50	.65	10	60	none	none
Fireman.....	M	d	3.25	3.00	10	60	none	none	none
Foreman.....	M	d	1.80	1.50	1.25	10	60	none	none
Laborers.....	M	d	2.75	2.50	2.25	10	60	none	none
Machinists.....	M	d	17.00	16.00	15.00	10	60	none	none
Moulders.....	M	d	2.10	1.25	.65	10	60	none	none
Painters.....	M	d	125.00	110.00	80.00	n	n	n	n
Salesmen, traveling.....	M	d	.....	.....	.....	n	n	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

WAPELLO COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Haying Machinery Mfg.—Continued.</i>										
Stenographer.....	F	w	\$ 9.00	\$.....	\$.....	n	n	n	n	
Superintendents.....	M	m	105.00	.....	100.00	10	60	n	n
Teamsters.....	M	d	1.50	.....	1.50	10	60	none	none
Timekeeper.....	M	m	45.00	.....	.....	10	60	n	n
Woodworkers.....	M	d	2.30	1.50	1.25	10	60	none	none	
<i>Laundry—</i>										
Assorters.....	M	w	18.00	.....	14.00	10	60	n	n
Assorters.....	F	w	8.00	.....	5.00	10	60	n	n
Cityman.....	M	w	18.00	.....	.....	10	60	n	n
Collarfinishers.....	F	w	7.00	.....	5.00	10	60	n	n
Fireman.....	M	w	14.00	.....	12.00	10	60	n	n
Foreman.....	M	w	27.50	.....	.....	10	60	n	n
Forewoman.....	F	w	10.00	.....	.....	9	54	n	n
Manglehelp.....	F	w	8.00	6.00	4.50	9	54	n	n	
Markers.....	M	w	18.00	15.00	8.00	10	60	n	n	
Officehelp.....	F	w	10.00	.....	7.00	9	54	n	n
Shirtdroppers.....	F	w	7.00	.....	5.00	9	54	n	n
Shirtnishers.....	F	w	6.00	.....	5.00	9	54	n	n
Shipper.....	M	w	14.00	.....	.....	10	60	n	n
Starchers.....	F	w	8.00	.....	4.50	10	60	n	n
Wagonmen.....	M	w	13.00	.....	10.00	10	60	n	n
<i>Pork and Beef Pack- ing—</i>										
Blacksmiths.....	M	d	2.75	.....	2.50	10	60	n	n
Boilermakers.....	M	d	3.00	.....	.....	10	60	n	n
Boners.....	M	d	3.25	.....	2.75	10	60	n	n
Boys.....	M	d	1.00	.....	.....	10	60	n	n
Carpenters.....	M	d	2.75	.....	2.50	10	60	n	n
Coopers.....	M	d	2.75	.....	2.50	10	60	n	n
Cutters.....	M	d	2.00	.....	1.50	10	60	n	n
Electricians.....	M	d	2.75	.....	2.50	10	60	n	n
Engineers.....	M	d	3.25	.....	2.25	10	60	n	n
Fireman.....	M	d	2.00	.....	1.50	10	60	n	n
Gutters.....	M	d	3.25	.....	2.75	10	60	n	n
Laborers.....	M	d	1.75	1.50	1.00	10	60	n	n	
Leggers.....	M	d	2.00	.....	.....	10	60	n	n
Machinists.....	M	d	3.25	.....	2.75	10	60	n	n
Packers.....	M	d	2.50	.....	2.25	10	60	n	n
Pullers, logs.....	M	d	2.50	.....	2.25	10	60	n	n
Pullers, gut.....	M	d	2.00	.....	1.50	10	60	n	n
Raisers, neck.....	M	d	2.50	.....	2.25	10	60	n	n
Ribbers.....	M	d	3.25	.....	2.75	10	60	n	n
Sawers, bone.....	M	d	2.00	.....	.....	10	60	n	n
Scalders.....	M	d	3.25	.....	2.75	10	60	n	n
Scrapers.....	M	d	2.50	.....	2.25	10	60	n	n
Shavers.....	M	d	2.50	.....	2.25	10	60	n	n
Stickers.....	M	d	3.25	.....	.....	10	60	n	n
Slippers.....	M	d	2.00	.....	1.50	10	60	n	n
Trimmers, should's.....	M	d	2.50	.....	2.25	10	60	n	n
Trimmers, belly.....	M	d	2.50	.....	2.25	10	60	n	n
Trimmers, ham.....	M	d	3.25	.....	2.75	10	60	n	n
<i>Produce—</i>										
Clerk.....	M	w	10.00	.....	.....	10	60	n	n
Manager.....	M	w	20.00	.....	.....	10	60	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

WAPELLO COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per Wk	In-crease	De-crease	
<i>Printing and Publish- ing—</i>										
Advertising man.....	M	w	\$15.50	\$.....	\$.....	8	48	n	n	
Foremen.....	M	w	27.00	.....	18.00	8	48	n	n
Linotype operators.....	M	w	15.50	.....	.....	8	48	n	n
Office clerks.....	M	w	6.00	.....	.....	8	48	n	n
Stenographers.....	F	w	12.00	.....	8.00	8	48	n	n
Stereotypers.....	M	w	15.00	.....	.....	8	48	n	n
<i>Rock Drills Mfg.—</i>										
Blacksmiths.....	M	d	2.50	.....	1.75	9	54	25%	n
Blacksmiths' help.....	M	d	1.75	.....	1.50	9	54	n	n
Engineer.....	M	d	2.00	.....	1.91	9	54	.08%	n
Machine operators.....	M	d	2.25	.....	1.25	9	54	n	n
Machinists.....	M	d	.....	.....	2.50	9	54	n	n
Machinists' appren.....	M	d	1.50	.....	.50	9	54	n	n
Shipping clerk.....	M	d	1.75	.....	1.50	9	54	n	n
Watchman.....	M	w	10.00	.....	.....	13	91	5%	n
<i>Steel Squares Mfg.—</i>										
Cutting stock.....	M	b	1.00	.....	.....	9	54	none	none
Die making.....	M	b	.83	.....	.....	9	54	none	none
Engineer.....	M	b	.35	.....	.....	9	54	none	none
Fitting squares.....	M	b	.21	.....	.....	9	54	n	n
Grinding squares.....	M	b	.35	.....	.....	9	54	none	none
Grinding squares.....	M	b	.21	.....	.....	9	54	none	none
Jointing squares.....	M	b	.22	.....	.22	9	54	none	none
Miter-box assem- bling.....	M	b	.25	.....	.....	9	54	none	none
Machinists.....	M	b	.30	.....	.27	9	54	none	none
Nightwatch.....	M	b	1.19	.....	.....	12	84	none	none
Plating.....	M	b	.19	.....	.....	9	54	none	none
Polishing dept.....	M	b	.21	.....	.....	9	54	none	none
Rolling stock.....	M	b	.22	.....	.22	9	54	none	none
Stamping.....	M	b	.29	.....	.16	9	54	none	none
Straightening.....	M	b	.16	.....	.....	9	54	none	none
Shipping clerk.....	M	b	.19	.....	.....	9	54	none	none
<i>Wholesale Grocery—</i>										
Bookkeeper.....	M	m	55.00	.....	.....	9	57	none	none
Buyer.....	M	m	100.00	.....	.....	9	57	none	none
Cashier.....	M	m	90.00	.....	.....	9	57	none	none
Clerks.....	M	m	60.00	50.00	40.00	9	57	none	none	
Clerks.....	M	m	21.50	.....	.....	9	57	none	none
Laborers.....	M	m	50.00	45.00	35.00	9	57	none	none	
Manager.....	M	m	100.00	.....	.....	9	57	none	none
Salesmen.....	M	m	100.00	75.00	40.00	9	57	none	none	
Stenographers.....	F	m	65.00	55.00	35.00	9	57	none	none	
<i>Wholesale Grocery—</i>										
Accountants.....	M	m	100.00	.....	40.00	9	53	n	n
Buyers.....	M	m	100.00	.....	.....	9	53	n	n
Clerks.....	M	m	65.00	.....	40.00	9	53	n	n
Clerks.....	F	m	40.00	.....	.....	9	53	n	n
Managers.....	M	m	100.00	.....	.....	9	53	n	n
Porters.....	M	w	12.00	.....	9.00	10	50	n	n
Salesmen.....	M	m	125.00	.....	65.00	9	53	n	n
Stenographers.....	F	m	40.00	.....	25.00	9	53	n	n
Superintendent.....	M	m	70.00	.....	.....	10	50	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

WAPELLO COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Wholesale Liquors and Beer—</i>										
Bookkeeper.....	M	w	\$23.08	\$.....	\$.....	12	72	n	n	
Clerk.....	M	w	12.00	.....	.....	12	72	n	n
Drivers.....	M	w	13.50	.....	11.50	12	72	n	n
<i>Wholesale Meats—</i>										
Clerks.....	M	w	14.00	12.00	6.00	10	60	none	none	
Egg carriers.....	M	h	.25	.....	.12	10	60	none	none
Feeders.....	M	h	.20	.....	.15	10	60	none	none
Foreman.....	M	h	.175	.....	.....	10	60	none	none
Manager.....	M	h	18.00	.....	15.00	10	60	none	none
Miscellaneous help.....	M	h	.15	.....	.....	10	60	none	none
Packer.....	M	h	.20	.....	.15	10	60	none	none
Pickers.....	M	pes.	.05	.025	.01	10	60	none	none	
Receiving clerk.....	M	h	.20	.....	.....	10	60	none	none

WEBSTER COUNTY.

<i>Brick and Tile Mfg.—</i>									
Engineers.....	M	h	\$.165	\$.....	\$.14	12	84	n	n
Turners.....	M	h	.25	.....	.....	12	84	n	n
Laborers.....	M	h	.175	.....	.....	10	60	n	n
Man at pug-mill.....	M	h	.20	.....	.....	10	60	n	n
Man at screen.....	M	h	.20	.....	.....	10	60	n	n
Pitboss.....	M	h	.20	.....	.....	10	60	145	n
Setter.....	M	h	.20	.....	.....	10	60	n	n
<i>Cereal Mill Products—</i>									
Caseworkers.....	M	h	.125	.....	.....	10	60	n	n
Engineers.....	M	h	.25	.....	.....	12	72	n	n
Firemen.....	M	h	.165	.....	.....	12	72	n	n
Helpers.....	M	h	.225	.165	.....	12	62	n	n
Labelers.....	F	w	4.50	.....	.....	10	60	n	n
Millers.....	M	h	.30	.225	.175	12	72	n	n
Packers.....	M	h	.225	.165	.....	12	72	n	n
Roustabouts.....	M	h	.175	.....	.15	10	60	n	n
<i>Foundry and Machine Shop—</i>									
Machinists.....	M	h	.25	.....	.20	10	60	n	n
Moulders.....	M	h	.275	.....	.25	10	60	n	n
<i>Gypsum Products Mfg.—</i>									
Calclminers.....	M	d	2.50	.....	.....	10	60	none	none
Engineers.....	M	d	2.50	.....	.....	10	70	none	none
Firemen.....	M	d	2.50	.....	2.25	10	70	none	none
Foreman.....	M	d	2.25	.....	.....	10	60	none	none
Warehousemen.....	M	d	2.00	.....	.....	10	60	none	none
Millers.....	M	d	2.25	.....	.....	10	60	none	none
Miners.....	M	d	2.00	.....	.....	8	48	none	none
Repairman.....	M	d	2.50	.....	.....	10	60	none	none
Rock shedmen.....	M	d	2.00	.....	.....	10	60	none	none

n Not reported

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

WEBSTER COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Hardware (Wholesale and Retail)—</i>										
Bookkeepers.....	M	w	\$20.00	\$.....	\$.....	10	60	none	none	
Clerks.....	M	w	18.00	.....	.....	10	60	none	none
Office help.....	M	m	125.00	.....	.....	10	60	none	none
Receiving clerk.....	M	w	12.00	.....	7.50	10	60	none	none
<i>Laundry and Dye Works—</i>										
Drivers.....	M	w	10.00	.....	.....	n	n	n	n
Engineer.....	M	w	14.00	.....	8.00	n	n	n	n
Ironers.....	F	w	8.00	.....	.....	n	n	n	n
Foreman.....	M	w	20.00	.....	.....	n	n	n	n
Managers.....	M	w	25.00	.....	.....	n	n	n	n
Washman.....	M	w	12.00	.....	.....	n	n	n	n
<i>Printing and Publishing—</i>										
Clerks.....	M	w	15.00	.....	12.00	9	54	n	n
Editors.....	M	w	16.00	12.00	6.00	9	54	n	n	
Pressman.....	M	w	12.00	.....	.....	9	54	n	n
Printers.....	M	w	15.00	12.00	4.50	9	54	n	n	
<i>Printing and Publishing—</i>										
Apprentices.....	M	w	5.00	.....	.....	8	48	none	none
Compositors.....	M	w	10.00	.....	.....	8	48	none	none
Compositors.....	M	w	10.00	.....	.....	8	48	none	none
Foreman.....	M	w	15.00	.....	.....	8	48	none	none
Pressman.....	M	w	9.00	.....	.....	8	48	none	none
<i>Railway Repair Shops—</i>										
Blacksmiths.....	M	h	.165	.....	.....	10	65	n	n
Boilermakers.....	M	h	.33	.....	.....	10	62	n	n
Boilerwashers.....	M	h	.175	.....	.....	10	70	n	n
Car repairers.....	M	m	55.00	.....	50.00	10	65	n	n
Coal shovellers.....	M	h	.15	.....	.....	10	65	n	n
Helpers.....	M	h	.25	.....	.15	11	78	n	n
Hoistler.....	M	d	2.35	.....	.....	12	84	n	n
Machinists.....	M	h	.33	.....	.....	10	60	n	n
<i>Stoneware Mfg.—</i>										
Bookkeeper.....	F	w	8.00	.....	.....	8	48	none	none
Burners.....	M	h	.20	.....	.17	12	84	none	none
Clay miners.....	M	h	.175	.....	.....	8	48	none	none
Engineer.....	M	m	60.00	.....	.....	10	65	none	none
<i>Transfer and Drayage—</i>										
Clerks and collector.....	F	d	1.165	.....	.83	8	56	n	n
Drivers.....	M	d	1.57	.....	1.50	10	60	n	n
Foreman.....	M	d	2.00	.....	.....	10	60	n	n
Stableman.....	M	d	1.33	.....	.....	8	56	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

WOODBURY COUNTY—Continued.

Kind of Business and Division of Occupation		Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905	
				High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease
Street Railway—Con.										
Clerks.....	F	m	\$55.00	\$.....	\$35.00	9	58	n	n	
Electric workers.....	M	m	83.33	70.00	60.00	10	60	n	n	
Engineers.....	M	m	125.00	.....	85.00	12	84	n	n
Fireman.....	M	d	2.50	.....	.....	12	84	n	n
Laborers.....	M	d	2.00	1.75	1.50	10	60	n	n	
Linemen.....	M	m	90.00	.....	.....	10	60	n	n
Linemen.....	M	d	2.50	2.25	.....	10	60	n	n
Machinists.....	M	m	150.00	.....	.....	10	60	n	n
Machinists.....	M	d	3.00	1.00	.....	60	n	n	n
Motor men.....	M	h	.19	.16	.11	79	n	n	n	
Painters.....	M	m	90.00	.....	.....	10	60	n	n
Painters.....	M	d	2.50	1.50	.....	10	60	n	n
Superintendents.....	M	m	100.00	70.00	.....	12	84	n	n
Stenographers.....	M	m	70.00	.....	.....	9	58	n	n
Stock Yards—										
Barn foremen.....	M	m	60.00	.....	50.00	12	84	n	n
Buttender.....	M	m	40.00	.....	.....	12	72	n	n
Blacksmiths.....	M	d	4.00	2.50	.....	10	60	n	n
Bookkeepers.....	M	m	100.00	.....	55.00	10	60	n	n
Car inspectors.....	M	m	60.00	.....	.....	12	84	n	n
Carpenters.....	M	m	60.00	.....	55.00	10	60	n	n
Cashier.....	M	m	110.00	.....	.....	10	60	n	n
Clerks.....	M	m	60.00	.....	45.00	10	60	n	n
Day foreman.....	M	h	.31	.....	.....	12	84	n	n
Day helpers.....	M	h	.28	.....	.....	12	84	n	n
Deliverers.....	M	m	65.00	60.00	50.00	12	72	n	n	
Engineer.....	M	h	.25	.20	.....	12	84	n	n
Gateman.....	M	m	65.00	.....	.....	12	72	n	n
Hay foreman.....	M	m	50.00	.....	.....	12	72	n	n
Hay and corn driv'rs.....	M	m	47.50	.....	.....	12	72	n	n
Harnessmaker.....	M	d	3.00	.....	.....	10	60	n	n
Janitor.....	M	m	55.00	42.00	.....	12	84	n	n
Janitor helper.....	F	h	.20	.....	.....	6	36	n	n
Laborers.....	M	m	45.00	42.50	40.00	12	84	n	n	
Locomotive engin'r.....	M	h	.31	.....	.....	12	84	n	n
Locomotive fireman.....	M	h	.18	.....	.....	12	84	n	n
Manager cafe.....	M	m	65.00	.....	.....	12	84	n	n
Messenger.....	M	m	25.00	.....	.....	12	72	n	n
Night watchman.....	M	m	50.00	.....	.....	12	84	n	n
Night foreman.....	M	h	.33	.....	.....	12	84	n	n
Night foreman help.....	M	h	.30	.....	.....	12	84	n	n
Porter.....	M	m	30.00	.....	.....	12	84	n	n
Pres. and Gen. Mgr.....	M	m	416.67	.....	.....	10	60	n	n
Secretary.....	M	m	250.00	.....	.....	10	60	n	n
Scale foreman.....	M	m	60.00	.....	.....	12	84	n	n
Section foreman.....	M	m	65.00	.....	.....	12	72	n	n
Section laborers.....	M	d	1.25	.....	.....	12	72	n	n
Supt. of transportation.....	M	m	125.00	.....	.....	12	84	n	n
Treasurer.....	M	m	416.67	.....	.....	10	60	n	n
Superintendent.....	M	m	150.00	.....	.....	10	60	n	n
Weighmasters.....	M	m	60.00	50.00	.....	12	72	n	n
Yardmasters.....	M	m	85.00	83.33	65.00	12	84	n	n	
Yard clerks.....	M	m	60.00	50.00	.....	12	84	n	n
Tannery—										
Clerk.....	M	d	2.00	.....	.....	10	60	n	n
Curriers.....	M	d	3.00	.....	.....	8	48	n	n
Engineer.....	M	d	3.00	.....	.....	10	60	n	n
Laborers.....	M	d	2.00	.....	.....	8	48	n	n
Laborers.....	F	d	1.25	.....	.....	8	48	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

WOODBURY COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Telegraph—</i>										
Clerks.....	M	m	\$60.00	\$20.00	\$10.00	12	84	n	n	
Clerks.....	F	m	20.00	.....	.....	9½	57	n	n
Manager.....	M	m	42.00	.....	.....	9½	57	n	n
<i>Telegraph—</i>										
Chief operator.....	M	m	80.00	.....	.....	9	54	7½	n
Clerks.....	M	m	40.00	20.00	.....	9	54	n	n
Clerks.....	F	m	40.00	20.00	.....	9	54	12½	n
Manager.....	M	m	60.00	.....	.....	9	54	n	n
Operators.....	M	m	65.00	50.00	45.00	9	54	n	n	
Operators.....	F	m	50.00	.....	.....	9	56	n	n
<i>Wagons and Carriages Mfg.—</i>										
Blacksmiths.....	M	d	3.00	2.25	1.75	10	60	15%	n	
Painters.....	M	d	3.00	2.25	1.75	10	60	15%	n	
Woodworkers.....	M	d	3.00	2.25	1.75	10	60	15%	n	
<i>Water Supply—</i>										
Bookkeeper.....	M	m	75.00	.....	.....	n	n	none	none
Calker.....	M	m	50.00	.....	.....	n	n	none	none
Engineers.....	M	m	110.00	90.00	85.00	n	n	none	none	
Firemen.....	M	m	65.00	60.00	.....	n	n	none	none
Meter man.....	M	m	70.00	.....	.....	n	n	none	none
Reservoir man.....	M	m	45.00	.....	.....	n	n	none	none
Street men.....	M	m	60.00	.....	52.00	n	n	none	none
Superintendents.....	M	m	150.00	100.00	.....	n	n	none	none
Tappers.....	M	m	60.00	.....	.....	n	n	none	none
<i>Wholesale Fruit—</i>										
Bill clerk.....	F	w	10.00	.....	.....	9	54	10%	n
Bookkeeper.....	M	m	100.00	.....	.....	9	54	5%	n
Bookkeeper.....	F	w	15.00	.....	.....	9	54	10%	n
City salesman.....	M	w	15.00	.....	.....	9	54	10%	n
Credit man.....	M	m	100.00	.....	.....	9	54	5%	n
Floor salesman.....	M	m	83.33	.....	.....	10	60	n	n
Floor salesman.....	M	w	15.00	.....	.....	10	60	10%	n
Order clerk.....	M	m	83.33	.....	.....	9	54	10%	n
Shipping clerk.....	M	w	15.00	.....	.....	10	60	5%	n
Salesman, traveling.....	M	m	100.00	70.00	65.00	n	n	5%	n	
Warehousemen.....	M	w	13.00	11.00	9.00	10	60	5%	n	
<i>Wholesale Glass and Paints—</i>										
Clerks.....	M	w	15.00	12.00	5.00	10	60	10%	n	
Clerks.....	F	m	45.00	40.00	35.00	8	48	29%	n	
Salesmen.....	M	m	100.00	75.00	60.00	10	60	10%	n	
<i>Wholesale Grocery—</i>										
Labelers.....	F	w	4.00	.....	.....	10	60	none	none
Office force.....	M	m	416.67	60.00	21.70	10	60	none	none	
Stenographer.....	F	m	50.00	.....	.....	10	60	none	none
Traveling salesman.....	M	m	175.00	80.00	.....	n	n	n	n
Warehousemen.....	M	w	18.00	12.00	7.50	10	60	none	none	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

WOODBURY COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Hotel—</i>										
Clerks.....	M	m	\$50.00	\$40.00	\$25.00	7	49	n	n	
Cooks.....	M	m	100.00	55.00	25.00	10	70	n	n	
Maid.....	F	m	18.00	.....	.....	9	63	n	n
Stewards.....	M	m	100.00	.....	35.00	10	70	n	n
<i>Ice Mfg. and Delivered—</i>										
Barnmen.....	M	h	.22½	.21	.17½	10	60	12½%	.....
Carmen.....	M	h	.22½	.21	.17½	10	60	12½%	.....
Drivers.....	M	h	.25	.24	.17½	10	60	n	n	
Harvesters.....	M	h	.17½	.17	.15	10	60	n	n	
Helpers.....	M	h	.20	.19	.17½	10	60	n	n	
Icehouse men.....	M	h	.20	.19	.17½	10	60	12½%	.....
<i>Laundry—</i>										
Bookkeeper.....	F	h	.15	.....	.....	10	60	n	n
Drivers.....	M	h	.20	.....	.....	10	60	n	n
Engineer.....	M	h	.15	.....	.....	10	50	n	n
Foreman.....	M	h	.20	.....	.....	10	60	n	n
Ironers.....	F	h	.15	.....	.07	10	60	n	n
Washman.....	M	h	.20	.....	.....	10	60	n	n
<i>Machine Shop—</i>										
Blacksmiths.....	M	d	2.75	.....	.....	10	60	n	n
Bookkeeper.....	M	w	20.00	.....	.....	10	60	n	n
Foreman.....	M	d	2.75	2.50	2.25	10	60	n	n	
Machinists.....	M	d	.....	.....	.....	10	60	n	n
<i>Mercantile Agency—</i>										
Clerks.....	M	m	60.00	.....	.....	8	50	n	n
Clerks.....	F	m	40.00	35.00	25.00	8	50	n	n	
Reporter.....	M	m	60.00	.....	.....	8	50	n	n
Superintendent.....	M	m	135.00	.....	.....	8	50	n	n
<i>Packing Beef and Pork—</i>										
Ashwheelers.....	M	d	2.00	.....	.....	12	84	none	none
Butchers.....	M	h	.50	.25	.20	10	60	none	none	
Casingmakers.....	M	h	.25	.20	.17½	10	60	none	none	
Checkers.....	M	h	.20	.18½	.17½	10	60	none	none	
Coalwheelers.....	M	d	2.10	.....	.....	10	60	none	none
Coopers.....	M	h	.20	.....	.....	10	60	none	none
Eggcandlers.....	M	h	.22½	.....	.20	10	60	none	none
Engineers.....	M	d	3.30	2.75	2.30	12	84	none	none	
Fremen.....	M	d	3.15	.....	3.00	12	84	none	none
Laborers.....	M	h	.17½	.....	.....	10	60	none	none
Mechanics.....	M	h	.35	.....	.....	8	48	none	none
Oilers.....	M	d	2.25	.....	2.00	12	84	none	none
Sausage dept.....	M	h	.22½	.17½	.15	10	60	none	none	
Sausage dept.....	F	h	.10	.....	.....	8	48	none	none
Scales.....	M	h	.22½	.20	.15	10	60	none	none	
Temperaturreman.....	M	d	2.25	.20	.15	12	84	none	none	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

WOODBURY COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Printing Patent—</i>										
Apprentices.....	M	w	\$ 6.00	\$.....	\$.....	9	54	none	none	
Feeders.....	M	w	11.25	.....	.....	9	54	none	none
Linotypeoperators.....	M	w	29.50	.....	.....	8	48	none	none
Pressmen.....	M	w	11.25	.....	.....	9	54	none	none
Shipping clerks.....	M	w	19.00	.....	.....	9	54	none	none
Stereotypers.....	M	w	22.00	.....	15.50	9	54	10%	.....
<i>Printing and Printers' Supplies—</i>										
Apprentices.....	M	w	7.50	.....	3.00	9	54	n	n
Bookkeeper.....	M	w	25.00	.....	.....	9	54	n	n
Clerks.....	M	w	18.00	.....	10.50	9	54	n	n
Compositors.....	M	w	18.00	.....	16.75	8	48	n	n
Engineer.....	M	w	12.00	.....	.....	9	54	n	n
Foreman.....	M	w	24.00	.....	18.00	9	54	n	n
Janitors.....	M	w	9.00	.....	.....	9	54	n	n
Linotypeoperators.....	M	w	22.50	.....	.....	8	48	n	n
Machinists.....	M	w	18.00	.....	.....	9	54	n	n
Manager.....	M	w	48.00	.....	.....	9	54	n	n
Pressfeeders.....	M	w	11.25	.....	.....	9	54	n	n
Stenographers.....	F	w	8.00	.....	.....	9	54	n	n
Stereotypers.....	M	w	15.00	.....	.....	9	54	n	n
<i>Sash Doors, Etc. Mfg.—</i>										
Benchmen.....	M	d	3.25	2.50	1.75	10	60	n	n	
Carvers.....	M	d	3.00	.....	.....	10	60	n	n
Engineers.....	M	d	3.00	2.00	1.50	10	60	n	n	
Finishers.....	M	d	3.00	2.50	2.00	10	60	n	n	
Glazing room.....	M	d	2.75	2.00	1.00	10	60	n	n	
Glue men.....	M	d	2.75	.....	1.50	10	60	n	n
Lumberyard men.....	M	d	2.50	.....	1.75	10	60	n	n
Machinemen.....	M	d	3.00	2.25	1.75	10	60	n	n	
Turners.....	M	d	3.00	2.75	2.50	10	60	n	n	
Warehousemen.....	M	d	3.00	2.00	1.00	10	60	n	n	
<i>Soap, Laundry and Toilet Mfg.—</i>										
Bookkeeper.....	F	w	13.50	.....	.....	9	53	none	none
Clerk.....	F	w	7.50	.....	.....	9	53	none	none
Engineer.....	M	m	75.00	.....	.....	10	59	none	none
Foreman.....	M	m	75.00	.....	.....	10	59	none	none
Girls.....	M	w	6.00	5.00	3.00	10	59	none	none	
Handymen.....	M	m	50.00	.....	.....	10	59	none	none
Helpers.....	M	m	45.00	42.50	40.00	10	59	none	none	
Pressers.....	M	m	50.00	.....	.....	10	59	none	none
Salesmen.....	M	m	250.00	150.00	100.00	10	59	none	none	
Soapmakers.....	M	m	50.00	.....	.....	10	59	none	none
Wrapping girls.....	F	w	6.00	4.50	3.00	10	59	none	none	
<i>Street Railway—</i>										
Blacksmiths.....	M	d	2.75	.....	2.25	10	60	n	n
Bookkeeper.....	M	h	90.00	.....	.....	10	60	n	n
Car men.....	M	h	.19	.....	.16	10	64	n	n
Carpenters.....	M	d	83.25	.....	.....	10	60	n	n
Carpenters.....	M	d	2.75	.....	2.50	10	60	n	n
Conductors.....	M	h	.19	.....	.16	11	79	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1906—CONTINUED.

WOODBURY COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Street Railway—Con.</i>										
Clerks.....	F	m	\$55.00	\$.....	\$35.00	9	58	n	n	
Electrical workers..	M	m	83.33	70.00	60.00	10	60	n	n	
Engineers.....	M	m	125.00	.....	85.00	12	84	n	n
Fireman.....	M	d	2.50	.....	.....	12	84	n	n
Laborers.....	M	d	2.00	1.75	1.50	10	60	n	n	
Linemen.....	M	m	90.00	.....	.....	10	60	n	n
Linemen.....	M	d	2.50	.....	2.25	10	60	n	n
Machinists.....	M	m	150.00	.....	1.00	10	60	n	n
Machinists.....	M	d	3.00	.....	.....	10	60	n	n
Motormen.....	M	h	.19	.....	.16	11	79	n	n
Painters.....	M	m	90.00	.....	1.00	10	60	n	n
Painters.....	M	d	2.50	.....	1.50	10	60	n	n
Superintendents.....	M	m	100.00	.....	70.00	12	84	n	n
Stenographers.....	M	m	70.00	.....	.....	9	58	n	n
<i>Stock Yards—</i>										
Barn foremen.....	M	m	60.00	.....	50.00	12	84	n	n
Bartender.....	M	m	40.00	.....	.....	12	72	n	n
Blacksmiths.....	M	d	4.00	.....	2.50	10	60	n	n
Bookkeepers.....	M	m	100.00	.....	55.00	10	60	n	n
Car inspectors.....	M	m	60.00	.....	.....	12	84	n	n
Carpenters.....	M	m	60.00	.....	55.00	10	60	n	n
Cashier.....	M	m	110.00	.....	.....	10	60	n	n
Clerks.....	M	m	60.00	.....	45.00	10	60	n	n
Day foreman.....	M	h	.31	.....	.....	12	84	n	n
Day helpers.....	M	h	.28	.....	.....	12	84	n	n
Deliverers.....	M	m	65.00	60.00	50.00	12	72	n	n	
Engineer.....	M	h	.25	.....	.20	12	84	n	n
Gateman.....	M	m	60.00	.....	.....	12	72	n	n
Hay foreman.....	M	m	50.00	.....	.....	12	72	n	n
Hay and corn drv'rs	M	m	47.50	.....	.....	12	72	n	n
Harnessmaker.....	M	d	8.00	.....	.....	10	60	n	n
Janitor.....	M	m	55.00	.....	42.00	12	84	n	n
Janitor helper.....	F	h	.20	.....	.....	6	36	n	n
Laborers.....	M	m	45.00	42.50	40.00	12	84	n	n	
Locomotive engin'r	M	h	.31	.....	.....	12	84	n	n
Locomotive fireman	M	h	.18	.....	.....	12	84	n	n
Manager cafe.....	M	m	65.00	.....	.....	12	84	n	n
Messenger.....	M	m	25.00	.....	.....	12	72	n	n
Night watchman.....	M	m	50.00	.....	.....	12	84	n	n
Night foreman.....	M	h	.23	.....	.....	12	84	n	n
Night foreman help.	M	h	.30	.....	.....	12	84	n	n
Porter.....	M	m	30.00	.....	.....	12	84	n	n
Pres. and Gen. Mgr.	M	m	416.67	.....	.....	10	60	n	n
Secretary.....	M	m	250.00	.....	.....	10	60	n	n
Scale foreman.....	M	m	60.00	.....	.....	12	84	n	n
Section foreman.....	M	m	65.00	.....	.....	12	72	n	n
Section laborers.....	M	d	1.25	.....	.....	12	72	n	n
Supt. of transporta- tion.....	M	m	125.00	.....	.....	12	84	n	n
Treasurer.....	M	m	416.67	.....	.....	10	60	n	n
Superintendent.....	M	m	150.00	.....	.....	10	60	n	n
Weighmasters.....	M	m	60.00	.....	50.00	12	72	n	n
Yardmasters.....	M	m	65.00	83.33	65.00	12	84	n	n	
Yard clerks.....	M	m	60.00	.....	50.00	12	84	n	n
<i>Tannery—</i>										
Clerk.....	M	d	2.00	.....	.....	10	60	n	n
Curriers.....	M	d	3.00	.....	.....	8	48	n	n
Engineer.....	M	d	3.00	.....	.....	10	60	n	n
Laborers.....	M	d	2.00	.....	.....	8	48	n	n
Laborers.....	F	d	1.25	.....	.....	8	48	n	n

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1906—CONTINUED.

WOODBURY COUNTY—Continued.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Me-dium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Telegraph—</i>										
Clerks.....	M	m	800.00	\$20.00	\$10.00	12	84	n	n	
Clerks.....	F	m	30.00	.....	.....	9	57	n	n
Manager.....	M	m	42.00	.....	.....	9	57	n	n
<i>Telephone—</i>										
Chief operator.....	M	m	80.00	.....	.....	9	54	75	n
Clerks.....	M	m	40.00	.....	.....	9	54	125	n
Clerks.....	F	m	40.00	.....	20.00	9	54	125	n
Manager.....	M	m	60.00	.....	45.00	9	54	n	n
Operators.....	M	m	65.00	50.00	45.00	9	56	n	n	
Operators.....	F	m	50.00	.....	.....	9	56	n	n
<i>Wagons and Carriages Mfg.—</i>										
Blacksmiths.....	M	d	3.00	2.25	1.75	10	60	155	n	
Painters.....	M	d	3.00	2.25	1.75	10	60	155	n	
Woodworkers.....	M	d	5.00	2.25	1.75	10	60	155	n	
<i>Water Supply—</i>										
Bookkeeper.....	M	m	75.00	.....	.....	n	n	none	none
Calker.....	M	m	50.00	.....	.....	n	n	none	none
Engineers.....	M	m	110.00	90.00	85.00	n	n	none	none	
Firemen.....	M	m	65.00	.....	60.00	n	n	none	none
Meter man.....	M	m	70.00	.....	.....	n	n	none	none
Reservoir man.....	M	m	45.00	.....	.....	n	n	none	none
Street men.....	M	m	60.00	.....	52.00	n	n	none	none
Superintendents.....	M	m	150.00	.....	100.00	n	n	none	none
Tappers.....	M	m	60.00	.....	.....	n	n	none	none
<i>Wholesale Fruit—</i>										
Bill clerk.....	F	w	10.00	.....	.....	9	54	105	n
Bookkeeper.....	F	w	100.00	.....	.....	9	54	55	n
Bookkeeper.....	F	w	15.00	.....	.....	9	54	105	n
City salesman.....	M	w	15.00	.....	.....	9	54	105	n
Credit man.....	M	m	100.00	.....	.....	10	60	n	n
Floor salesman.....	M	m	83.33	.....	.....	10	60	105	n
Floor salesman.....	M	w	15.00	.....	.....	10	60	105	n
Order clerk.....	M	m	83.33	.....	.....	10	60	105	n
Shipping clerk.....	M	w	15.00	.....	.....	10	60	105	n
Salesman, traveling	M	m	100.00	70.00	65.00	n	n	55	n	
Warehousemen.....	M	w	13.00	11.00	9.00	10	60	55	n	
<i>Wholesale Glass and Paints—</i>										
Clerks.....	M	w	15.00	12.00	5.00	10	60	105	n	
Clerks.....	F	w	45.00	40.00	35.00	8	48	205	n	
Salesmen.....	M	m	100.00	75.00	60.00	10	60	105	n	
<i>Wholesale Grocery—</i>										
Labelers.....	F	w	4.00	.....	.....	10	60	none	none
Officeforce.....	M	m	416.67	60.00	21.70	10	60	none	none	
Stenographer.....	M	F	50.00	.....	.....	10	60	none	none
Traveling salesmen.....	M	m	175.00	90.00	50.00	n	n	none	none	
Warehousemen.....	M	w	18.00	12.00	7.50	10	60	none	none	

n Not reported.

GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—Continued.

WOODBURY COUNTY—Continued.

Kind of Business and Division of Occu- pation	Male (M) or Fe- male (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High- est Rate	Med- ium Rate	Low- est Rate	Hrs. per Day	Hrs. per W'k	In- crease	De- crease	
Wholesale Grocery—										
Clerks.....	M	m	300.00	75.00	15.00	9	54	3%		
Clerks.....	F	m	55.00	40.00	25.00	9	54	3%		
Packers.....	F	w	4.50		3.50	9	54	none	none	
Porters.....	M	w	17.50	12.00	8.00	10	60	none	none	
Salesmen.....	M	m	260.00	100.00	60.00	n	n	4%		
Wholesale Meats—										
Bookkeepers.....	M	w	20.00	10.00	18.00	10	60	none	none	
Manager.....	M	w	27.00			10	60	none	none	
Office assistants.....	M	w	10.00	9.00		10	60	none	none	
Salesmen.....	M	w	20.00	16.00	15.00	n	n	none	none	
Shipping clerks.....	M	w	14.00	13.00	12.00	10	60	none	none	
Teamsters.....	M	w	12.00			10	60	none	none	
Wholesale Meats—										
Clerk.....	F	w	7.00			10	60	none	none	
Eggcandler.....	M	h	.20	.17½	.10	10	60	none	none	
Manager.....	M	w	23.00		20.00	10	60	none	none	
Miscellaneous help.....	M	h	.20		.12½	10	60	none	none	
Packers.....	M	h	.20		.12½	10	60	none	none	
Pickers.....	M	h	.17½	.15	.12½	10	60	none	none	

WRIGHT COUNTY.

Electric Light, Gas and Power—									
Engineer.....	M	m	\$65.00	\$.....	\$60.00	12	84	none	none
Gasmaker.....	M	m	50.00			12	84	none	none
Labors.....	M	m	40.00			12	84	none	none
Linenmen.....	M	m	45.00			10	60	none	none
Railway Repair Shops—									
Blacksmiths.....	M	h	.32	.26½	.17½	8	45	n	n
Boilermakers.....	M	h	.34	.28	.08	8	45	n	n
Carpenters.....	M	h	.27½	.25	.16	8	45	none	none
Car repairers.....	M	h	.17	.15½	.14	9	54	n	n
Coppersmiths.....	M	h	.27			8	45	n	n
Labors.....	M	h	.16	.14	.12½	10	70	n	n
Machinists.....	M	h	.34	.19	.08	8	45	n	n
Painters.....	M	h	.27½		.13½	8	45	n	n

n Not reported.

NEW INDUSTRIES FOR IOWA.

According to instructions given the Commissioner under chapter 8, section 2470 of the Code which says: "The Commissioner shall collect information and report on sites offering natural or acquired advantages for the profitable location and operation of different branches of industry, and impart such information as may tend to induce the locating of mechanical and producing plants within the State, to the end that it shall increase the productions and consequent employment of producers." Blanks were made up and sent to the secretaries of all Commercial Clubs of cities over 5,000 inhabitants, and to representative men in counties where cities had no organized Commercial Club, along with a circular letter urging upon them the benefits that might be derived by filling out these blanks, and the necessity of doing so to facilitate our work and to have their locality properly represented.

The result of this inquiry was the information from seventy-two counties which goes to make up the two parts of the chapter following.

The first part shows number of manufacturing establishments employing five or more persons, business houses, wholesale or retail, established in each locality since December 31, 1904.

The second part is a general write-up of the natural or acquired advantages existing in the different localities along with inducements offered by the citizens and municipalities, such as sites, bonuses and subscription of stock.

The following is a list of the twenty-five larger water powers in the State capable of furnishing power for manufacturing purposes, nearly all of which will admit of further development:

Alden, Hardin county; Algona, Kossuth county; Anamosa, Jones county; Bonaparte, Van Buren county; Brighton, Washington county; Cedar Falls, Black Hawk county; Cedar Rapids, Linn county; Charles City, Floyd county; Clermont, Fayette county; Coon Rapids, Carroll county; Des Moines, Polk county; Elkader, Clayton county; Hawarden, Sioux county; Iowa City, Johnson county; Iowa Falls, Hardin county; Keokuk, Lee county; Keosauqua, Van Buren county; Monticello, Jones county; Nashua, Chickasaw county; Nora Springs, Floyd county; Osage, Mitchell county; Ottumwa, Wapello county; Rockford, Floyd county; Waverly, Bremer county; Waterloo, Black Hawk county.

NEW INDUSTRIES—PART I.

Number and kind of manufacturing industries and business houses, wholesale and retail, established since December 31, 1904.

APPANOOSE COUNTY.

CENTERVILLE.—One garment factory.

MOULTON.—One bakery, one drug store, one retail grocery store, one clothing store, one meat market and one wholesale grocery.

MYSTIC.—Two retail grocery stores.

AUDUBON COUNTY.

AUDUBON.—One canning factory and several small retail establishments.

BENTON COUNTY.

BELLE PLAINE.—One canning factory, one bottling works, plumbing and heating establishment and one skim station.

VINTON.—One manure spreader factory.

BLACK HAWK COUNTY.

CEDAR FALLS.—One wagon and novelty manufacturing plant and one gas plant.

BOONE COUNTY.

BOONE.—One glove factory, one brick and tile factory, one cement building block factory, one furnace and tin work shop, one retail dry goods store, one wholesale and retail tent, awning and glove store, one general merchandise and notion store, one laundry, one undertaker's establishment and one plumbing and heating shop.

BREMER COUNTY.

SUMNER.—One retail grocery store, one furniture store and one retail hardware store.

WAVERLY.—One brewery, one crushed rock mill, one condensed milk factory, one dry goods store, one department store, one saloon, one harness shop, one boot and shoe factory and one confectionery factory.

BUENA VISTA COUNTY.

ALTA.—One concrete building block factory and one brick and tile factory.

STORM LAKE.—One butter tub and water tank factory, one canning factory and one wholesale cigar store.

CASS COUNTY.

ATLANTIC.—One umbrella factory, one tailor shop, one coffee, tea and spice store, one millinery store, one ice cream factory, one wall paper store, one grocery and fruit store, two restaurants and one plumbing and heating shop.

CEDAR COUNTY.

TIPTON.—One canning factory, one cement block factory and one cigar factory.

WEST BRANCH.—One cement building block factory and one retail dry goods store.

CERRO GORDO COUNTY.

MASON CITY.—One portland cement factory, one sewer pipe factory, one store fixture and wardrobe factory and one mattress and spring bed factory.

CHEROKEE COUNTY.

CHEROKEE.—One threshing machine belt attachment factory, one machine shop, one gas plant, one creamery, one cement post factory, one drug store, one musical instrument factory, one photograph gallery and one second hand store.

CHICKASAW COUNTY.

NASHUA.—One woolen cloth factory, one manure spreader factory, one retail hardware store, two retail general merchandise stores and one restaurant.

CLAY COUNTY.

SPENCER.—One self-feeder factory, one cement roofing tile factory, one grain elevator and one lumber yard.

DALLAS COUNTY.

PERRY.—One tiling spade factory and one cement building block factory.

DAVIS COUNTY.

BLOOMFIELD.—One cement building block factory, one cotton mitten and glove factory, one rug factory, one broom factory and one flour mill.

DECATUR COUNTY.

LEON.—One extract and salve factory, two cigar stores, one flour and feed mill, two implement agencies, one grocery store, one clothing and gents' furnishings store and one poultry, butter and egg house.

DUBUQUE COUNTY.

CASCADE.—One flour mill, one wagon and buggy factory, one blacksmith-shop and one creamery.

DYERSVILLE.—One canning factory, one flour and feed mill, one garment factory, one department store, one gents' furnishings store, one general merchandise store, one jewelry store, one restaurant, one harness shop, one boot and shoe store and one furniture store.

FAYETTE COUNTY.

FAYETTE.—One dry goods and millinery store and one clothing and notion store.

FLOYD COUNTY.

CHARLES CITY.—Two racket stores, one agricultural implement agency and one daily paper.

FRANKLIN COUNTY.

HAMPTON.—One planing mill, one retail grocery store and one department store.

GUTHRIE COUNTY.

GUTHRIE CENTER.—One cigar factory.

HAMILTON COUNTY.

WEBSTER CITY.—One rubber mat and curry-comb factory, one cigar factory and one department store.

HARDIN COUNTY.

ACKLEY.—Two cement building block factories, one fence factory, one cement water filter factory and one dumb waiter factory.

IOWA FALLS.—One gasoline engine factory, one brick and tile factory, one gas plant, one wholesale egg house, one retail harness shop, one drug store, one retail shoe store and one general store.

HARRISON COUNTY.

MISSOURI VALLEY.—One retail grocery store and one dry goods store.

HENRY COUNTY.

NEW LONDON.—One general store, one jewelry store and one bakery.

HOWARD COUNTY.

CRESO.—One general store and one music and musical goods house.

IOWA COUNTY.

MARENGO.—One roller mill and one general store.

JACKSON COUNTY.

BELLEVUE.—One piano factory, one millinery store, one meat market and one harness shop.

JOHNSON COUNTY.

IOWA CITY.—One cement building block factory, one paving material factory, two jewelry jobbing establishments, one general merchandise store and one grocery store.

JONES COUNTY.

MONTICELLO.—One printing and binding plant.

ANAMOSA.—One retail drug store and one retail hardware store.

KEOKUK COUNTY.

WHAT CHEER.—One canning factory, one hot water furnace factory and one brick and tile plant.

KOSSUTH COUNTY.

ALGONA.—One brick and tile factory, one stock remedy factory and one retail coffee and tea store.

LEE COUNTY.

FORT MADISON.—One foundry, one packing house, one produce house and one overgaiter and leggin factory.

KEOKUK.—One broom factory, two dental supply factories, one electrical device factory, one furnace and incubator factory, one gasoline engine factory, one jewelry factory, one sawmill, one patent medicine factory, one planing mill, one cement brick factory, one cereal mill, two dry goods stores, two drug stores, one harness shop, one undertaking establishment, one plumbing shop, one furniture store, one automobile agency, one wholesale shoe store, one grocery store and three confectionery stores.

LINN COUNTY.

CEDAR RAPIDS.—One ice cream, cream and milk plant, one steel tank factory, one garment factory, one engraving plant, one cereal mill, one concrete fence post factory, one overall factory, one gasoline engine factory, box factory, one printing and binding plant, one paint factory, one jobbing and manufacture of drugs store, one ice cream factory, one furniture factory, one laundry machine factory, one cigar factory, one retail shoe store, one retail optical goods house, one druggists' supply house, one photo paper factory, one cement building block factory, one retail furniture factory, one wholesale paper house, one confectionery and supply house, one wholesale and retail lumber yard, one printing establishment, one retail hardware store, one retail clothing store, one wholesale grain establishment, one wholesale millinery house, one machine shop, one wholesale flour house and one job printing plant.

MADISON COUNTY.

WINTERSET.—One brick, tile and hollow block factory.

MAHASKA COUNTY.

NEW SHARON.—One racket store, one restaurant and one billiard hall.
OSKALOOSA.—One overall factory, one furnace factory, one distillery, one cigar factory, one steel culvert factory and one canning factory.

MARSHALL COUNTY.

MARSHALLTOWN.—One vehicle factory, one carpenter tool factory, one cheese factory and one furnace factory.

MONTGOMERY COUNTY.

RED OAK.—One canning factory, one bridge iron and pump factory, two art calendar factories and two wholesale grocery stores.

OSCEOLA COUNTY.

SIBLEY.—Two general merchandise stores and one furniture and undertaking store.

PAGE COUNTY.

SHENANDOAH.—One wagon, bob sled and windmill factory, one hose factory, one printers' supply house, one stock food factory and one brick and tile plant.

PALO ALTO COUNTY.

EMMETSBURG.—One brick and tile factory, one cement block and tile factory, one racket store, one general store, flour and feed store and one lumber, coal and wood yard.

PLYMOUTH COUNTY.

AKRON.—One cement block factory and one department store.

POLK COUNTY.

VALLEY JUNCTION.—One garment factory, one general store, two tailor shops, one bakery, one confectionery factory, one cement block factory, one hardware store and one millinery store.

POTTAWATTAMIE COUNTY.

AVOCA.—One planing mill, one furniture and undertaking store and one cigar store.

COUNCIL BLUFFS.—One bakery, one cold storage plant, one bee keepers' supply factory, one canning factory, one wagon box and shoveling board factory, one grain elevator, one artificial ice plant and one wholesale hay and feed barn.

OAKLAND.—One cement building block factory.

POWESHIEK COUNTY.

BROOKLYN.—One harness shop and one retail hardware store.

SAC COUNTY.

SAC CITY.—One sidewalk cleaner factory.

SCOTT COUNTY.

DAVENPORT.—One steel wagon factory, one cracker, macaroni and spaghetti factory, one paving brick and tile factory, one cement building block and tile factory, one moulding machine factory, one sash and door factory, one garbage reducing machine factory, one boiler factory, one automobile factory, one ice and cold storage plant, one cleaning and dyeing shop and one poultry, butter and egg house.

SIOUX COUNTY.

ORANGE CITY.—Two bakeries, one wooden shoe factory, one organ factory, one flour and feed store, one jewelry store, one undertaking establishment, one retail shoe store and one restaurant.

STORY COUNTY.

STORY CITY.—One restaurant and one novelty store.

TAMA COUNTY.

TAMA.—One undertaking establishment, one drug store, one blacksmith shop, one farm implement agency and one livery barn.
TRAEER.—One brick and tile factory and one washing machine factory.

VAN BUREN COUNTY.

KEOSAUQUA.—One iron and steel bridge factory, one harness shop and one wagon and carriage distributing house.

WAPELLO COUNTY.

EDDYVILLE.—One brick machine factory.
OTTUMWA.—One mining tool factory and one hay tool factory.

WARREN COUNTY.

INDIANOLA.—One retail grocery.

WAYNE COUNTY.

CORYDON.—Two retail grocery stores and one dry goods and novelty store.

WINNEBAGO COUNTY.

FOREST CITY.—One brick and tile plant.

WINNESHIEK COUNTY.

DECORAH.—One flax fibre factory.

WOODBURY COUNTY.

SIoux CITY.—One sash and door factory, one cigar factory, one creamery, one ice cream factory, one electric power and heating plant, one twine factory, one casket factory, one paper and stationery jobbing house, one wholesale hardware store, one retail clothing store, one retail drug store, one retail shoe store, one retail dry goods store, one wholesale drug store, one furniture store and two china and crockery stores.

WORTH COUNTY.

Northwood.—One retail clothing store, one general store and one meat market.

WRIGHT COUNTY.

Eagle Grove.—One cement building block factory and one tiling tool and patent tile spade factory.

NEW INDUSTRIES—PART II.

Number and kind of new industries, manufacturing and mercantile, desired in each locality, together with the natural or acquired advantages and inducements offered.

ADAIR COUNTY.

ADAIR.—Desires a factory for the manufacture of shirts and overalls, cloth mittens, gloves, etc. The citizens of Adair would take from 50 per cent to 75 per cent of the stock in a company organized for that purpose, and I believe that such a plant would be a profitable investment. We would also like to have a brick and tile factory, as considerable of the product would be used here, and we have good clay for such purposes and the business men would assist in financing such an enterprise.

ALLAMAKEE COUNTY.

WAUKON, WATERVILLE, POSTVILLE OR WAUKON JUNCTION would make splendid locations for canning factories. Liberal inducements would be offered to the right party at any of those points.

LANSING.—Has first class rail and water shipping facilities, cheap fuel and cheap real estate for factory sites, and a very friendly settlement towards new enterprises and is an especially promising point for any manufacturing enterprises, wood, iron or textile.

WAUKON.—Has an inexhaustible supply of high grade hematite iron ore located three miles northeast of Waukon. It has been partially developed and thoroughly tested by a local company, but nothing is now being done for want of transportation facilities. With a railroad to the mine and sufficient capital a monster industry would soon develop. Tests from these mines of car load lots have shown a higher percentage of pure iron than yielded by the Lake Superior mines.

APPANOOSE COUNTY.

CENTERVILLE.—Is a thriving city of 7,500 population located in one of the best coal fields west of Pennsylvania which affords cheap coal for manufacturing purposes. We have five railroads, which give us direct communication with all northern Missouri, all parts of Iowa and Mississippi and Missouri river points. Taxes will be abated and sites offered new enterprises in any line and we are especially desirous of some factory that will employ female help, as most of the men are employed in coal mines adjacent to the city, which leaves a large number of females unemployed. Our clay deposits are excellent for brick and tile and should be used to meet the local demand at least. For further information write the Secretary of Commercial Club.

MOULTON.—We need energetic, legitimate business enterprises. Conservative capital and go-ahead business men. Factories, business houses and dwellings. A canning factory, pickle factory, wholesale houses an implement factory, foundry and machine shop, candy factory, artificial ice plant, steam laundry, furniture factory, handle factory, buggy factory, tile and terra cotta factory and other establishments suitable for an excellent agricultural community. Up to the present time there have been no inducements made by the city for factories. We have advantages of location, railroad facilities and cheap fuel to offer as inducements to enterprises. Our people are as near out of debt as any people of the west. Loans are slow, farmers having money to loan. Two banks have \$300,000 deposits. We have two trunk lines, one railroad division and sixteen mail trains per day, no saloons or whiskey druggists, excellent Y. M. C. A., excellent social conditions, fine schools and school buildings, 450 enrolled pupils and twelve teachers, fine churches, beautiful surrounding country, and farm land sells from \$50 to \$100 per acre. Corn usually yields from 50 to 60 bushels per acre and it is a good fruit district. The Secretary of the Commercial Club will be pleased to answer all communications addressed to him asking for further information.

MYSTIC.—We are very much in need of a brick and tile plant. We have a population of 2,500 and none of the business industries are overdone. There are twenty-one coal mines operating in close proximity to this place and all market their coal here. We have a deposit of clay suitable for brick and tile and pottery ware which might be had for the asking, and with the cheap fuel it should be an inducement for some good brick man to locate here and utilize the same. The Business Men's Exchange will be pleased to furnish further information.

AUDUBON COUNTY.

AUDUBON.—Would be pleased to entertain any proposition for the location of a small factory here. We have no special advantages, except two railroads, a willing, live and industrious community, and a Commercial Club that is willing to do anything in reason for parties wishing to operate a factory here.

BENTON COUNTY.

BELLE PLAINE.—There is a splendid opening here for a modern brick, drain tile and building tile plant. There are excellent deposits of clay which have been tested and found to be of the best quality for such purposes. Belle Plaine has excellent shipping facilities in all four directions, the only disadvantage being that there is but one line of railway, the C. & N.W., comprising the main double track line to Chicago and Omaha and a branch line south to the coal fields on the Des Moines river and another branch north to Mason City, Minnesota and Dakota points.

There is also an opening for a pickling works, artificial ice plant and a gas plant. Coal for steam purposes is comparatively cheap at this point, which with our shipping facilities should be an inducement to manufacturing industries to locate here.

BLACK HAWK COUNTY.

CEDAR FALLS.—We have a most desirable location for new industries, one thousand horse-power of water-power can be had at a reasonable price and two or more desirable locations for manufacturing plants. Our railroad facilities are excellent and we have the finest spring water for our city that can be found anywhere, a healthy, beautiful town with over 3,000 students each year attending the State Normal School. Our Commercial Club will be pleased to entertain any proposition in regard to locating new industries.

WATERLOO.—Desires factories and wholesale jobbing houses of all kinds. We have two factory districts in which we can furnish free sites, to all who wish to establish here, and who can demonstrate to our Commercial Club that they are deserving of such favors. We have excellent railway facilities, water and electric power at a minimum cost for factories, can secure a remission of taxes for a number of years for desirable industries. Our excellent railway facilities should be an inducement for more jobbing and wholesale houses to locate here. Our citizens are of a co-operative nature and are willing at all times to assist any legitimate enterprise.

BOONE COUNTY.

BOONE.—There are exceptional opportunities here for a pottery. Cheap fuel adjacent to clay beds, clay of the most suitable character, three railroads, one interurban being built and another bound to come, give excellent outlets. A cereal mill is needed here. The large plant of the Boone Cereal Co. recently burned, and has not been rebuilt by New York parties owning same. A prolific community for all cereals and cheap fuel and good railroad facilities offer a good inducement.

A canning factory and a cold storage plant might be operated to good advantage for reasons as stated above. Local capital is always ready to aid legitimate enterprises of any character. Municipal aid by way of remission of municipal taxes and cheap water is also offered as additional inducements and the Commercial Club is organized to aid in such affairs.

BREMER COUNTY.

SUMNER.—Would like a canning factory, sash and door factory and a cheese factory. The rich agricultural and dairy territory surrounding should insure the establishment of either a canning factory or a cheese factory and with the support of the community any small factory should thrive.

WAVERLY.—We are after a denatured alcohol distillery, and we want any kind of industry that employs labor. We can offer power, light and water (all owned by city) at cheap rates. This is one of the richest farming communities in Iowa, and a great corn, live stock and dairy county. We have a 2,000-foot artesian well and excellent shipping facilities. The Commercial Club will answer all correspondence asking for further information.

BUENA VISTA COUNTY.

ALTA.—We have a good chance for and material with which to run a tile factory. Tiling farm land has practically just begun, yet there are from thirty to forty car loads being shipped in on back orders at the present writing. We have a splendid opening for one or two general stores, but they must be between \$20,000 and \$30,000 stocks to compete with the ones now here. Our city will support one or two such stores and support them well. On account of the large potato crop raised here each year there is an excellent opening for a denatured alcohol distillery.

STORM LAKE.—The most desirable industry just at present is a cement block factory. We have an unlimited quantity of the best sand, good railroad facilities and labor is generally obtainable. A bottling works to place water from mineral springs less than a mile from town on the market. Chemists have stated that there is no better natural water, and it is believed that if parties with sufficient capital would take hold of the proposition that it could be made to pay.

We would also like a wholesale grocery and think our shipping facilities would insure success should one be established here.

With the investment of some capital on the lake it might be made more of a summer resort than it is at present, as we have twelve square miles of water lying up against the town. The ice shipping industry could be made a big thing here in the winter on account of its excellent quality and slight expense of cutting and loading. We also have an excellent deposit of clay suitable for brick and tile and a good home market for the products. A small greenhouse would be a profitable investment on account of the distance to the nearest one.

BUTLER COUNTY.

PARKEERSBURG.—Would like a canning factory and a cooper shop to manufacture butter tubs. This is a productive agricultural center and would furnish an inexhaustible supply of corn, fruit and vegetables for a canning factory.

CASS COUNTY.

ATLANTIC.—Would like a foundry, one denatured alcohol factory, one soap factory, one pickling and vinegar works and any other factory employing from five to twenty men. We can offer cheap fuel and good water, and are located in an excellent farming locality. The Business Men's Club is in shape to offer inducements in the way of locations, etc.

CEDAR COUNTY.

TIPTON.—We have the best clay deposit for the manufacture of farm tile in the State. The factory can be located on the right of way of either the Rock Island or C. and N.-W. R. R. Our community raises a large amount of potatoes, corn, etc., and we would be pleased to figure on the location of a denatured alcohol plant. We would also like a poultry and egg house and a small packing house to take care of the surplus in that line. Local capital will invest in any of the above enterprises and liberal donations will be given by the citizens.

CERRO GORDO COUNTY.

MASON CITY.—We need a wholesale hardware store, wholesale confectionery store, wholesale cigar and tobacco store, wholesale drug store and factories of all kinds, as we have the territory and shipping facilities. To verify this, look at the position on the map and the number of railroads running in here. We have cheap fuel and every factory and jobbing house in the city is doing well on account of the good location and large territory to draw from. The Commercial Club would be pleased to correspond with any one interested in the locating of any of the above establishments.

CHEROKEE COUNTY.

CHEROKEE.—Is greatly in need of manufacturing establishments, a canning factory or cereal mill would be most desirable. We have good water facilities and railroads leading out of here in all directions and any kind of manufacturing plant, canning factory or jobbing or wholesale house should find a good opening here and good facilities for distribution of products or goods. The business men of the city are at all times ready to help or encourage, and there is plenty of local capital to finance any legitimate enterprise.

CHICKASAW COUNTY.

NASHUA.—We have a firm here who desire to interest outside capital in a project to manufacture manure spreaders and harrow carts. It is a good proposition for any man, as it is an established and paying business, but is in need of a little more capital.

CLARKE COUNTY.

OSCEOLA.—Has a population of 3,000 with a prosperous farming community surrounding. The city has gas, electric light and water-works. Gas and electricity can be used for power, and water can be had in sufficient quantity for boilers. Two main lines of railroads intersect in practically the center of the city, offering excellent shipping facilities for shipping any manufactured article. Any manufactory would be gladly welcomed and the Osceola Commercial Club controls acreage and trackage along both lines of railroad and is in a position to offer reasonable inducements to any manufactory desiring a location.

CLAY COUNTY.

SPOONER.—Would like another brick and tile plant. We have an excellent deposit of clay and good shipping facilities. Have two factories which are working to capacity and have been behind on orders all the year.

CLINTON COUNTY.

CLINTON.—Is located on the west bank of the Mississippi river one hundred thirty-seven miles directly west of Chicago on the main line of the Chicago & North-Western. We have also Chicago, Milwaukee & St. Paul, Chicago, Burlington & Quincy and Chicago, Rock Island & Pacific railroads.

It is the center of the great agricultural and stock raising belt of the northwest. This is a particularly good location for manufacturing industries on account of the accessibility to all kinds of lumber and the cheapness of north and south freight rates, and shipping facilities offered by the various railroads.

Some very desirable factory sites are obtainable, made available by the removal of the sawmills and lumber industries.

DALLAS COUNTY.

PERRY.—Would like a canning factory and a general machine shop. We are in the very heart of the corn and vegetable district, also quite a fruit growing district.

We have no foundry, or repair shop for machinery, and there is an urgent demand for something of this nature. We have good shipping facilities and will assist financially any factory of merit and we believe we have good facilities for taking care of them.

DAVIS COUNTY.

BLOOMFIELD.—There are no manufacturing establishments located in Bloomfield, which is a great loss to the people. Any establishment employing labor would be very beneficial and would be very much appreciated by our people. We have a good locality for the following: Pickle factory, wagon factory and cheese factory.

DECATUR COUNTY.

LEON.—We have definite knowledge of good coal beds underlying the surrounding territory and if a good reliable party were to open a mine here and develop the field he would be able to get good backing from our citizens in a financial way and from patronage.

DICKINSON COUNTY.

SPIRIT LAKE.—Would like a beet sugar factory, cement block factory and interurban railway.

We are in a position to encourage the establishment of a beet sugar factory, as we have interested our progressive farmers in raising sugar beets, and find that they can be raised here at a profit to raise as well as to manufacture. We have this year about thirty farmers who are trying sugar beets again with the intention of sending some beets to a factory for a test. We can also offer any one who wishes to invest in an electric railway connecting our summer resorts, one of the best locations ever offered, besides the proposed line from our lakes to Sioux City, striking a good lot of towns on the way, is a project worth looking after, as the towns the proposed line would touch are good live ones and the farmers along the line are thoroughly interested in this outlet for their live stock, grain, etc. We also have the best of sand for manufacturing cement building blocks, and a good sized factory turning out this sort of material would do well here.

DUBUQUE COUNTY.

DUBUQUE.—Is a city of 45,000 inhabitants, located one hundred seventy-five miles west of Chicago on the Mississippi river. Splendid shipping facilities are furnished by the river, the Illinois Central, the Chicago, Milwaukee & St. Paul, Burlington & Quincy and the Chicago Great Western railroads. It furnishes in the way of raw materials, lead ore, zinc ore, lime, macadam, clay and building sand. Soft coal for manufacturing purposes is obtainable for \$2.00 to \$3.00 per ton. The price of labor ranges from \$1.50 to \$2.00 per day for unskilled labor and from \$2.50 to \$3.00 per day for mechanics.

All kinds of manufacturing industries suited to this section of the country are desired, more especially at present, a meat packing plant, and a lead and zinc smelter. Suitable buildings for the former are obtainable on reasonable terms.

The citizens and the municipality stand ready to furnish any legitimate project with all the aid in their power, the former standing ready to subscribe to the stock of feasible undertakings.

There is also a splendid opening here for parties with capital to develop lead and zinc mines. A large amount of mineral lands being obtainable on reasonable terms.

CASCADE.—There is doubtless room for manufacturing of some kind, but of what kind could not say. In regard to manufacturing, we are not located right as far as our railroads are concerned. We have only one road, but they are doing all they can for us, our freight rates are as cheap as any place and they handle our goods with accuracy and promptness.

DYERSVILLE.—Would like an oat meal mill, packing house and other manufacturing establishments. We need a packing house to slaughter our surplus hogs, as we ship more hogs out of the State than any other town on the river. There is a great amount of grain marketed here each year which should be utilized by a cereal mill instead of being shipped east. Our banks have \$1,200,000 deposits and our citizens would aid financially any worthy project.

EMMET COUNTY.

ARMSTRONG.—Recent developments and tests prove the fact that we have in this locality a superior quality of clay for the manufacture of tile and brick, and it is confidently believed that fine stoneware and pottery can be manufactured from the clay. The brick company already located here have installed this summer a clay washing machine which separates all pebbles and troublesome material from the clay, which guarantees success in the operation of the plant now established and invites more. It is also well understood that we have a very fine deposit of peat near this town which is only waiting for the introduction of capital and enterprise to transform it into a paying proposition.

FAYETTE COUNTY.

WEST UNION.—We have a good place for a cement plant. The stone has been recommended by the State geologist, and we have good water and if the industry was properly financed it should be a paying proposition.

FLOYD COUNTY.

CHARLES CITY.—Commercial Club is anxious to offer reasonable inducements to any manufacturing or other industry employing men. We have plenty of material for manufacture of limestone brick and a reasonable demand for the supply. We have large deposits of limestone and clay adapted for portland cement near the city. Excellent water-power to operate electric motors, and electric current is supplied to small factories from switch board. We also have a good location and good demand for product of denatured alcohol factory.

NORA SPRINGS.—We have the finest natural resources for the manufacture of portland cement, best clay for brick and tile, good water-power and a good opening for a canning factory. Would be pleased to consider the development of any of these industries.

FRANKLIN COUNTY.

HAMPTON.—We have a fine body of clay suitable for brick and tile works handy to the city; it covers several acres and is probably thirty feet in depth and looks like a fine opportunity for some one to start a brick and tile plant. Local demand would use all the brick and tile that could be made for years in a plant of ordinary capacity. We also have peat beds in the county which would prove a profitable investment if developed and put on the market. We also have the proper stone and clay for the manufacture of portland cement.

GUTHRIE COUNTY.

STUART.—One of the things we most need is a good hotel and it is generally understood that a new brick hotel of twenty-five or thirty rooms would find an excellent field here; such an undertaking would receive aid and fine location if the right party would take hold of it. Any manufacturing enterprise would be welcomed and encouraged. I do not know that we have any special advantages. Cheap homes can be had for such as might be employed. We have excellent school and church advantages and quite an orderly little city, healthfully located and good agricultural surroundings.

HAMILTON COUNTY.

WEBSTER CITY.—We should have a factory for the manufacture of farm implements. Our citizens would be willing to aid any fair proposition for the erection of such a factory here.

HARDIN COUNTY.

ACKLEY.—We are very much in need of a canning factory to take care of the local growth of corn, fruit and vegetables. Local parties are afraid to start anything of this kind on account of lack of experience in such lines, but it looks like a man with experience in the canning business would meet with success with such a venture in this field. There is plenty of money here and it would be easily financed if properly explained.

ELDORA.—Has an abundance of fine clay adapted for the manufacture of pottery, sewer pipe, drain tile and brick of all kinds, also a deposit of sand suitable for making glass and cement products.

IOWA FALLS.—Excellent materials here for cement works. First class building, dry hives and yards, everything equipped with modern machinery for the manufacturing of sash, doors and interior finishing for stores, banks and offices. An experienced man would do well and would be able to get a bargain. We also need a first class foundry. We have excellent shipping facilities for handling all kinds of business and one of the finest residence cities in the State.

HARRISON COUNTY.

MISSOURI VALLEY.—It is desirable to establish a gas plant in our city. There is an electric light plant, but the demand for gas is quite extensive and I believe gas could be sold in sufficient quantities for lighting and cooking purposes to pay a good dividend on a plant. It is also desirable to have a cold storage plant which would handle butter, eggs, chickens and other farm produce. The city is naturally adapted to that kind of business on account of the railroad shops and the large quantities of produce used in the city and if a cold storage plant was established and cash paid for the products of the farm there is no doubt but that the same could be made a profitable business as the railroad facilities here would guarantee prompt delivery from and to many other points in this State and Nebraska. Chickens, eggs and poultry of all kinds would find ready market and would be shipped in from many miles around.

HOWARD COUNTY.

CRESSCO.—There is a fine opening here for a modern hotel. There are four hotels doing business, but none of them equipped to satisfy the best class of patrons. All are old buildings more or less run down and three are rented. The best class of steady boarders find accommodations in private families, if possible, and traveling men go to other towns to stay over night whenever possible. Some stock could be sold to business men and a good location can be secured.

IOWA COUNTY.

MARENGO.—Would like a machine shop and foundry, cement block factory and denatured alcohol factory. We have capital to invest in alcohol distillery and the community can furnish the products necessary for its manufacture. We have artesian water that analyzed equal to any in the country, which with the large hotel building that is now unoccupied would make an ideal place for a sanitarium.

The Commercial Club owns sites which will be donated to desirable enterprises, and our people will give additional aid by taking stock in anything that will show a fair return on the investment.

JACKSON COUNTY.

BELLEVUE.—There are some good openings here for factories such as tile, pottery or brick works as we have knowledge of a fine deposit of clay just south of the city and the quantity is unlimited. There is also a good opening for a boat factory as we already have an institution manufacturing fine marine engines which are sold in all parts of the United States and Alaska. The engines will sell the boats and boats can be built for less money here than many other places as there is a large sawmill which produces a large amount of lumber thereby giving us better rates on lumber than places where freight rates must be added. An overall, shirt or skirt factory would find no difficulty in securing from fifty to one hundred machine operators. A button factory should be a success in this locality as there are many car loads of shells gathered and shipped from here each year. The sand and gravel beds north of the city offer a good opening for a cement building block factory or any factory or works using a good quality of sand. Liberal inducements will be given to parties wishing to locate here.

JOHNSON COUNTY.

IOWA CITY.—A distillery for manufacture of denatured alcohol could be profitably operated on account of plenty of raw material and good demand for the product. There is a splendid opportunity for the erection and operation of a central heating plant, also good opening for an ice company, as there is but one ice dealer in the city and one more concern would find a profitable field here.

JONES COUNTY.

ANAMOSA.—We are looking for factories of any kind that can employ from twenty-five to two hundred people. We have good railroad facilities and this vicinity is noted for its excellent stone quarries, which are located about one and a half miles from the city. The citizens will do all they can to help industries of all kinds.

KEOKUK COUNTY.

SIGOURNEY.—This city is a good locality for a good self-sustaining industry, having excellent railway facilities, central location in the county and State and the region around is a splendid agricultural section. The city is an ideal one, well supplied with churches and schools, and is an excellent site for a college or seminary or any institution of learning. This county is one of the wealthiest in the State and Sigourney is destined to become one of the chief cities in southeastern Iowa. A live Commercial Club is maintained in the city which is doing good work and is ever ready to welcome any new enterprise and assist any laudable undertaking. This is a good place for a factory of any kind and there is plenty of capital here and plenty of good, safe, sane investors for any promising proposition.

WHAT CHEER.—We have a good opening for a pottery. The clay has been tested in England and America and we have a full line of samples produced from our clay, from the finest vases and table-ware to a full line of sanitary goods. It has been pronounced by experts as the finest in the

United States, and the supply is inexhaustible. Fuel is cheap and water plentiful and of good quality for steam purposes, and I believe our citizens are ready to make a liberal offer to a practical man who will take hold of the proposition and develop it. We would like a wagon and carriage factory, steam grist mill and a creamery. We have a building suitable for a mill and also one suitable for a wagon factory which could be secured for the purposes very reasonably. There is enough cream shipped out of here to centralizing plants to insure the establishment of a creamery if it was converted into butter here a home.

KOSSUTH COUNTY.

ALGONA.—We would like two tile factories; have clay equal to any in northern Iowa, three railroads reaching the sections most needing and most willing to buy tile of any section in the State. This county will require fifty to one hundred millions of tile to drain it, and ten other counties requiring nearly as many are accessible, which means an unlimited market for all two factories could produce.

We want a denatured alcohol distillery. Soil adapted to raising cereals and vegetables for making of same.

We have a fund in the Commercial Club treasury of \$1,000 to offer as a bonus for any manufacturing industry that proves worthy of same.

WESLEY.—Would like a denatured alcohol distillery. We have a three-story mill building with brick engine room, coal shed and large storage room attached, unoccupied, and all in good condition, which would be practically donated to the party who can show that he is a practical man and means business. This is an excellent agricultural district and there can be no doubt as to supplying the wants of a plant of this kind as there are thousands of bushels of corn and other cereals shipped from this place each year.

LEE COUNTY.

KEOKUK.—Would like the following: Brick and tile plant; paper mill, carriage and wagon factory, glucose works, machine shop and foundry, automobile factory, woodworking plants, farm implement factory, electric device factory, casket factory, large brewery, canning factory, furniture factory, cold storage and warehouses, department store, hotel and wholesale houses of all kinds.

Keokuk is the center of a market containing a multitude of possibilities. It is the heart of the great interior market; the greatest consuming portion of the United States, and is almost the geographical center of the territory between the Allegheny and the Rocky mountains and the Great Lakes and the Gulf of Mexico. It is in the midst of the great corn belt, with a population in 1990 of 242,161 within a radius of forty miles; a population of 1,468,496 within a hundred miles, and a population of 3,917,046 within one hundred and fifty miles. Keokuk is in the extreme southeastern point of Iowa and is just across the Mississippi river from Illinois and across the Des Moines river from Missouri. Official statistics show that the portions of Illinois and Missouri adjoining Keokuk are the most productive of farm crops of their respective states. Iowa is almost con-

stant everywhere in its agricultural richness and the location of Keokuk is where these three States meet and all three are visible from the bluffs of the city.

The commercial facilities for factories here are good and the many now in operation are all in excellent financial condition. For bringing in raw materials and shipping out manufactured products there is the Mississippi river, and the Burlington, Wabash, Toledo, Peoria & Western, and Rock Island railroad systems which operate lines running in seven different directions and extending to all sections of the country.

There is not the least difficulty in building sidings, yards and private switches from any or all of these roads and the terminal and yard facilities are already adequate for a greatly increased traffic, the roads having looked far into the future in their plans and acquirement of lands.

A vital question in connection with the establishment of factories is freight rates on raw materials and manufactured products. The permanency of low freight rates from Keokuk is assured by the fact that they are controlled by forces beyond and above human agency. The prime cost of Mississippi transportation is so low and the opportunities require such small capital that it will always be impossible to make freight rates arbitrary or to make them higher than the natural conditions require.

Municipal government in this city is excellent and far removed from the conditions which obtain in a metropolis. Taxation is low and the sentiment of the community is such that assessments are very liberal to manufacturing concerns.

Labor troubles are practically unknown in manufacturing circles. The controlling spirits of organized labor are conservatives and public sentiment is overwhelmingly against such antagonism as happens elsewhere.

The city is built on the high bluffs above the Mississippi river and the climatic conditions are healthful and present no obstruction to any form of commercialism.

The city water supply comes from the Mississippi river and is thoroughly filtered and purified. Daily tests have proven it absolutely pure. The water rate is low, particularly for factory purposes.

Keokuk is a modern city with well paved and macadamized streets, electric city and interurban roads, adequate fire protection, a public library, nine public schools, five private schools, two business colleges, two convents, a medical college, a dental college, a pharmacy college, twenty-seven churches including all denominations, splendid postal service, and all prominent express companies represented.

As a residence city it is unsurpassed. Magnificent streets lined with shade trees, beautiful residences, a social club, a country club and a number of very fine parks inside and adjoining the city.

The merchants and citizens have learned the value of co-operation and are always quick to welcome a newcomer and offer all assistance within their power in making new industries successful.

Within a short time work will begin on the development of the Des Moines Rapids Water Power. The project is one of great magnitude and the primary step is the building of a dam thirty feet high and nearly 7,000 feet long across the Mississippi river. There will be developed a minimum of 60,000 horse-power which is second only to the combined

powers of Niagara. The cost of power to the consumer will be about one-half the cost to produce with coal or artificial gas. A complete prospectus of the water-power will be sent to any one requesting same from the secretary of the Commercial Club.

There is in process of construction another interurban electric line to Carthage, Ill., fifteen miles distant, which will shortly be extended to Nauvoo, Ill., twelve miles north. Other lines are being planned and with the development of the water-power Keokuk will no doubt be a center for a series of electric roads.

There is a great chance now for factories to select a choice location and the Commercial Club will be glad to correspond with any concern desirous of making a change. Remember, Keokuk is the center of the greatest market in the United States and all conditions are ideal. The factories already here are prospering and we are on the eve of becoming one of the greatest manufacturing cities in the United States.

LINN COUNTY.

CEDAR RAPIDS.—Among the cities of Iowa Cedar Rapids ranks first in the value of manufactured products, with a total output of over \$16,000,000 worth for the year 1905. (See page 416, Eleventh Biennial Report of the Bureau of Labor Statistics of Iowa.)

Surrounded by an abundant supply of raw material and with an extensive demand for the products, with most favorable conditions respecting fuel and banking facilities, with an industrious and intelligent labor element and with an all around superior environment for an industrial population, this city affords unsurpassed opportunities for such industries as beef and pork packing, cereal mills, flour mills, grain elevators, starch works, cracker factories, canning factories, glucose factories, etc. The facilities for reaching immense bodies of consumers and of obtaining raw material, even from a distance, makes this, as has been proved by experience, a first class location, also, for such industries as convert metal or wood into products needed by the vast agricultural population of the Middle West. Many kinds of food products and clothing will be manufactured here and more as the favorable opportunities come to be better understood. We offer in addition to these inducements as follows: Seven years exemption from taxation, free factory sites and liberal stock subscriptions in proper cases. We have natural advantages such as water-power, stone quarries, timber, etc.

There is an extensive water-power, but it is little utilized, because of the preference for steam-power generated by Iowa coal. The largest stone quarries in the State are at Stone City, twenty-two miles distant, and at Cedar Valley, about thirty miles distant. We have oak, walnut, elm, hickory, ash, soft maple and basswood timber.

On account of the excellent shipping facilities this is getting to be one of the best wholesale centers in Iowa. We now have about seventy establishments doing business and there is room for more.

The following figures will give you an idea of the building improvements in Cedar Rapids for the year 1905:

Manufacturing	\$1,005,157
Commercial	675,410
Residence	611,230
Municipal	178,418
Miscellaneous (churches, etc.).....	144,250
Total	\$2,614,456

The secretary of the Commercial Club invites correspondence and will gladly give any information asked for.

MAHASKA COUNTY.

OSKALOOSA.—Good openings exist for clay manufactures, such as potteries, sewer pipe factories, etc. We need factories for the manufacture of mining machinery and miners' tools. Good openings of any kind that would appreciate cheap fuel, good railroad facilities, freedom from labor troubles, low taxation and the assistance of our Commercial Club.

MARION COUNTY.

KNOXVILLE.—We have beds of clay in unlimited quantities for brick and tile located in advantageous spots throughout the county, also one of the best coal fields in the State. We are anxious to encourage factories of any kind. We have cheap fuel, and elegant water-works owned by the city. Electric light, gas and power also owned by the city. We have good schools and nearly all denominations of religion have good church property here. The Commercial Club is glad at all times to furnish any additional information.

MARSHALL COUNTY.

MARSHALLTOWN.—We are badly in need of a creamery; there is no better location for one. We also need a cement factory for manufacturing building blocks. We have a glucose plant that is not in operation, that could be converted into a cereal mill to good advantage and it would be an ideal location. We have twenty-five factories here doing a good business and making money and we want to double this number in the next few years. The city is ready to help in any way a good manufacturing corporation or individuals.

MITCHELL COUNTY.

OSAGE.—Would like a cement factory, brick and tile factory, wood-working factory, packing house, garment factory, canning factory and a foundry and gasoline engine factory. There is a big bluff of cement stone extending along the Cedar river for several miles and a deposit of clay which would insure the manufacture of cement and brick and tile.

MONTGOMERY COUNTY.

RED OAK.—We have a very fine bed of potter's clay which if developed would prove profitable to the investors. We would also like a denatured alcohol distillery to take care of our surplus corn crop and our vegetable products.

OSCEOLA COUNTY.

SIBLEY.—Canning factories for sweet corn, tomatoes, peas, pickles, etc., are wanted. This vicinity is well adapted for raising the raw material for such an industry. There is a good opening here for a marble works for the manufacture of monuments, Sheldon, Iowa, being the nearest competitor. A good business could be worked up.

A broom factory could be easily supplied with broom corn raised here. We are also badly in need of a creamery.

PAGE COUNTY.

CLARINDA.—Is located in the southeastern part of the State and is the county seat of Page county, one of the very best counties in the United States for producing corn, wheat, oats, grass and vegetables of every kind, and all kinds of fruit grown in Iowa. We are located on three lines of railroad all using a joint station. We have a first class water-works system, with a large standpipe for fire protection. The city also has an extra good fire department.

The Clarinda Commercial Club invites manufacturing enterprises and all institutions whose tendency shall be for the advancement of the material and moral interests of the city to locate here, and would be glad to correspond with any such people who would like to come to a good town.

SHENANDOAH.—Is a city of 5,000 people and seems to have the natural advantages which attract and successfully promote manufacturing institutions. There are now twenty factories, both large and small, in Shenandoah and all thriving, and when their pay rolls are taken together each week is quite a help to the city. In way of city conveniences there is an excellent system of water-works and complete sewer system, both belonging to the city, a large and modern gas works, a large electric light plant furnishing twenty-four hour current, paved streets, three parks, four school buildings, one college, one Carnegie library, one city hospital, and Congress has just provided for a federal building for postoffice and other uses at an estimated cost of about \$40,000.

We have cheap labor, still a good grade of it, consisting of no foreign or disturbing element, and no negroes. The average wage being from \$1.10 to \$1.50 per day for common laborers. There are no labor unions and the people of Shenandoah will not tolerate them. We have three railroads giving us competitive and Missouri river rates. We also have one of the largest garden seed, apple seedlings and nursery distributing and producing points in the West.

PLYMOUTH COUNTY.

AKRON.—We would like a canning factory, and it seems to me that it would be a profitable business in this locality for nowhere in the West can the necessary products for canning be produced more plentifully or more cheaply than here. I am satisfied that special inducements would be made for the enterprise.

LE MARS.—The writer has resided in Le Mars for the last twenty-four years. During that time the business men have tried a number of industries, but all have proven a failure with the exception of a milling company and a small machine shop. Outside of these two there is no manufacturing worth mentioning. In my judgment an oat meal plant would pay. This county raises more oats than any other in the northwest, or perhaps in the State. We also have a banner county in the State for raising corn. Any kind of mill manufacturing fine products from corn should do well here, as enough corn could be bought from the wagon to keep a good-sized plant busy for twelve months in a year.

POCAHONTAS COUNTY.

POCAHONTAS.—We need a brick and tile factory here. There is a good supply of tile clay and a great demand for tile. There has been from \$40,000 to \$60,000 worth of tile shipped in here each year for the last four years. The land in this locality is low and level and it needs a great amount of tiling done to put in shape for farming, and this demand for tile is liable to continue for several years to come as tiling here is merely in its infancy. We think we have the best local tile market in the State.

POLK COUNTY.

DES MOINES.—Factories especially needed, and which should logically be successful: Starch works, glucose factory, distillery for producing denatured alcohol, cereal mill, agricultural implements and farm machinery of all kinds, including wagon works, etc., a malleable iron foundry, also a rolling mill to work up the immense accumulations of scrap iron, excelsior factory, elevators, both freight and passenger, wood box factory, shoes, stoves, pianos and pipe organs and clay manufacturing plants.

Des Moines possesses the four essentials of a great manufacturing center—transportation facilities, an inexhaustible supply of steam coal, a great variety of raw materials, skilled labor, and a vast market capable of absorbing an immense output. Another important feature is the character of our water, as same is free from lime and especially good for making steam.

It is hardly necessary to discuss at length each and all the advantages which this locality offers for the industries named above. Every Iowan knows that we have the corn and other grains for the cereal mill, the industrial alcohol distillery, glucose works, etc. The clays and shales for making brick, tile, sewer pipe, conduits, hollow brick, etc., exist in great

variety even within the limits of the city. For the different iron industries named we have an immense quantity of scrap iron, and can ship in as advantageously as to any other locality, all the new iron necessary for the malleable iron plant, steel rolling mills, etc.

Des Moines is not what might be called a bonus-giving city, but industries already established, seeking to better their location for sound business reasons, can get many favors. The city council will, upon the request of the Commercial Club or the East Side Commercial League, grant a remission of taxes for a period of years, providing no objection is made, and it is reasonably safe to say that no one will enter a protest if any of the factories named above shall knock at our door.

It stands to reason that any plant making farm machinery, wagons, or implements of any kind, would be most welcome. Iowa leads all other States in the purchase of this class of goods. The raw material can be assembled here as advantageously as at any other point. While this may be brought on a low classification, the Iowa district tariff permits its distribution over the State even more advantageously than any other western State, Wisconsin excepted.

As Iowa farmers are becoming wealthy, or in comfortable circumstances, they are in a position to buy musical instruments and indulge in some of the luxuries of life. Therefore, any class of merchandise throughout the rural districts might logically be produced in Des Moines. Having the best facilities for distribution, nine trunk lines operating nineteen different roads in and out of the city, Des Moines should be selected by capitalists looking for a manufacturing point.

VALLEY JUNCTION.—Our city is a good location for any manufacturing industry for several reasons. We have good shipping facilities, plenty of good water can be secured at a small expense and in the center of a first class coal belt which insures cheap coal for steam purposes at all times. We also have electric light and water plant, and gas mains extended from the city of Des Moines.

POTTAWATTAMIE COUNTY.

AVOCA.—Would like a packing house, denatured alcohol distillery and an overall and skirt factory. We have no special standing offer in bonuses for same, but could give free grounds for location of same and the excellent farming community and nearness to a good market offer advantages which should be considered.

COUSCH BLUFFS.—To a desirable industry we will offer free site, with trackage on one, two or three of our eight trunk line railroads, exemption from local taxation for five years, cheap rent, low taxes, an abundance of practically unorganized help and all the advantages of a metropolitan city surrounded by a rich and prosperous cattle and agricultural country. Our railroad facilities are unexcelled, insuring quick time, lowest possible rates and fair treatment. These advantages are emphasized by the fact that the Missouri river is a rate-basing point.

We need a large flour mill, wholesale grocery, independent packing house, shoe factory, tannery, concrete block factory and a shirt and overall factory. A flour mill would enjoy all the advantages here that Kansas City millers have. We have but one wholesale grocery and competition in

desired and would be welcomed. There is a demand for an independent packing house and every reason that it would be successful. As a distributing point for agricultural implements Council Bluffs can not be excelled. We are now doing the second largest business in the United States along these lines.

As a site for a canning factory we offer exceptional opportunities. An abundance of fruit and vegetables is grown here, and the home market alone would consume a large portion of the product. We have several large grain elevators and plenty of room and use for others.

POWESHIEK COUNTY.

MONTEZUMA.—Would like a machine shop and foundry and canning factory. This is a productive agricultural district and produces an abundance of material for a canning factory. For the proper concern that will take hold of either of these propositions local aid can be obtained. Correspondence solicited by the secretary of the Commercial Club.

RINGGOLD COUNTY.

MOUNT AYR.—We are very much in need of a gas plant and water-works and believe they would receive the support and patronage of our citizens necessary to maintain them and leave a snug profit for the investors.

SAC COUNTY.

SAC CITY.—Would like a denatured alcohol plant and pulp paper manufacturing plant. We have natural advantages and resources for both and good shipping facilities which should insure success should either of these plants be located here.

SCOTT COUNTY.

DAVENPORT.—Would like the following manufacturing plants: Boots and shoes, shirts, overalls, starch works and cereal mill. We would like the following jobbing houses: Plumbers' supplies, drugs, groceries and boots and shoes.

Davenport is well located for manufacturing and jobbers in almost any line of goods, being located on three of the largest trunk lines in the country, also on the Mississippi river, which insures low rates by water transportation and reasonable rates on the part of the railroads. The Hennepin canal, which will soon be completed, empties into the Mississippi river opposite Davenport, which will furnish additional means of securing low rates of freight. While we are not looking for bonus-hunters, there is plenty of capital here that would become interested in any legitimate manufacturing or jobbing concern which has the right kind of a proposition to submit.

SIOUX COUNTY.

ROCK RAPIDS.—This is more of a farming community than anything else and while that is all we claim for it, it can not be beaten for that. The Rock river runs thru the town and would furnish ample water-power for several factories, but the municipal corporation offers no inducements

and I know of nobody else who would; but should any develop our water-power and locate their factories here they would receive the hearty support of the community.

STORY COUNTY.

STORY CITY.—A cement building block factory would undoubtedly do well. We have lots of good sand and many are using the blocks both for basements and for buildings. A sash and door factory combined with novelty works ought to do as well here as elsewhere, as we have two railroads for outlets.

We have no natural advantages that I know of, but our people are progressive and have on several occasions raised quite large bonuses, and in my opinion is they are ready to do the same now.

TAMA COUNTY.

TAMA.—Desires an overall factory, glove factory, brick-making plant, tile factory, denatured alcohol distillery and a straw-board factory. We have a fine quality of brick and tile clay and the best railway facilities of any place of like size in Central Iowa. Plenty of raw material for an alcohol distillery and cheap labor and free from union disturbances. Plenty of water and cheap fuel for steam purposes. A straw-board or leather-board mill would pay. One straw-board mill here operated day and night and the entire output was used in manufacturing egg-case fillers on the grounds.

TRAEER.—Is situated in a rich agricultural district and offers especially desirable locations for industries associated or dependent upon farming or stock raising. Hundreds of gallons of cream are shipped from the town every week, and a creamery or cheese factory could build up a good business here. Traeer offers just as good location for a canning factory as do many neighboring towns in which they are profitably conducted. One brick and tile factory is doing a good business and there is raw material, room and good shipping facilities over our two railroads for other establishments of the same kind. Our Commercial Association is ready to present worthy business enterprises to the consideration of our people and solicits correspondence. Our citizens have at times taken stock in legitimate propositions and will do so again upon a proper showing.

VAN BUREN COUNTY.

KEOSAUQUA.—We have an abundance of good building and cement stone and brick and tile clay, as well as coal, near by. While there is no standing inducement our people are enterprising and will contribute liberally to worthy parties caring to develop either of the following propositions:

The most important matter now agitating our people is the development of the natural water-power at Keosauqua; by consulting the map you will see that Keosauqua is located in the great bend of the Des Moines river, sometimes called the horse-shoe bend because of its shape resembling a horse-shoe. It is fourteen miles around this bend while across the neck it is but one and one-fourth miles, the fall in the river in this distance by survey is twenty-seven feet. If capital could be induced to

develop this power it would certainly find ready sale for same. In addition to this a short distance below the town there is a natural fall in the bed of the river of two and one-half feet. On either side of the river the bluffs come to the water's edge thus affording solid foundations for the ends of the dam. This power when in connection with the abundance of stone and clay would seem that there are plenty of natural resources awaiting capital for development. On the south side of the river there are hundreds of acres of waste land used now only for grazing purposes, except now and then a small fruit farm; when cultivated to fruit this land is very productive and very profitable, but is only developed in a small way, and could be made very profitable if conducted on a large scale. Fruit of all kinds, especially grapes, apples and peaches seem to do well on this land at this location, it being protected by the hills on the north. I have no doubt but the natural advantages of this section would have been developed years ago and manufacturing plants would have taken advantage of the fuel supply if not of the water-power, if we had been provided with better railroad facilities.

Being located as we are almost surrounded by the river it is, and has been very expensive to build railroads to us and at this time we have but a stub branch of the C. R. I. & P. I think it will be but a short time until the water-power will be developed and that will insure an electric railway which will give us better shipping facilities and will open a field to investors in manufacturing industries.

WAPELLO COUNTY.

EDDYVILLE.—We have the following business advantages and would be pleased to entertain a proposition from any individual or corporation to develop the same: Extensive deposits of building stone, coal, paving sand, brick and potters' clay, mineral springs of pronounced medicinal qualities, abundant and cheap labor and good shipping facilities.

OTTUMWA.—Would like a wagon factory, stove factory, shoe factory, in fact any kind of manufacturing industry should find a field here and we should be pleased to welcome them. Cheap fuel and good railroad facilities are the leading inducements. Our commercial club will assist in capitalizing any good paying concern.

WASHINGTON COUNTY.

WASHINGTON.—Would like most any kind of industry adapted to a farming community. What few manufacturing plants we have are doing well and to me it seems a good point for almost any kind of manufacturing industry. We have especially good shipping facilities and good progressive citizens who are willing to assist any legitimate enterprise.

WAYNE COUNTY.

CORVON.—We need a dairy and cold storage plant with an ice manufacturing plant in connection with same. This is a good dairy country and the farmers are milking a great many more cows than they did a few years ago. There are a great number of cream separators in the

country and cream is now being shipped to Humeston, Clarinda, Des Moines, and Keokuk. The farmers are also paying a good deal of attention to the poultry business.

I think there could be some local capital interested in a plant of this kind if the right kind of a man was at the head of it.

SEYMOUR.—Needs a brick and tile factory and a creamery, and both would get good support. Our clay has been thoroughly tested and makes an excellent brick, better in quality than any that we have been able to get shipped in, and if one was started here would find good local support, and our shipping facilities are second to none. Seymour also needs and is a splendid opening for a few more coal mines. We have a splendid vein of coal at a depth of 225 feet that makes a good steam coal and the best coal for domestic purposes that is found in the middle west.

WEBSTER COUNTY.

FORT DODGE.—Among the great advantages the city enjoys is its splendid railroad facilities—a passenger service which enables one to reach any of the large western, northern, southern or eastern markets, by one night's ride, at most, and which means much to the manufacturer whose time is valuable as quick access to these points means much to him. An idea of our facilities can be gained by the following schedule of roads:

Illinois Central—Direct to Chicago, 375 miles; to Omaha, 141 miles; to Sioux City, 135 miles.

Chicago Great Western—Direct to Chicago, 367 miles; to Omaha, 132 miles; to Kansas City, 494 miles; to Minneapolis, 221 miles.

Minneapolis & St. Louis—Direct to Minneapolis and St. Paul, 222 miles; to Des Moines, 86 miles.

Freight in carload lots, handled in 1903, at this station, 27,925 cars, of which 18,887 were shipments, and 9,038 received.

Business Advantages—These include ample supply of first-class water; soft coal for fuel and steam purposes almost within the city limits; brick and tile works; hydraulic cement building blocks—the coming building material; potters and fire clay in abundance, and the largest gypsum plaster deposits in the United States. As a manufacturing and jobbing center this location is unsurpassed in Iowa. Wide territory tributary hereto, and the most complete transportation facilities brings the consumer almost to the gates of the city.

WINNEBAGO COUNTY.

FOREST CITY.—We want a brick and tile factory. We have the clay and a large local demand for brick and tile. We think it would be a good location for a small packing house. We have a good stock country and our business men would readily invest in such a concern. A cheese factory should do well as this is a good dairy country. The citizens of this community are also desirous of getting an interurban railway east and west from Forest City, connecting with Fertile, Worth county, and the Chicago & North-Western Railway on the east.

The citizens offer inducements, such as sites and right of way to persons who would promote any of the above mentioned industries.

WOODBURY COUNTY.

SIoux CITY.—Needs wholesale dry goods houses, and her exporting trade territory and favorable location, and railroad facilities makes it an inviting location for jobbing houses in almost every staple line.

Cereal mills, starch factories, glucose works, alcohol distillery, tanneries, boot and shoe factories, cracker factories, clay industries and similar enterprises will find here an inexhaustible supply of raw material and a demand for the finished product.

Sioux City is the best distributing city of her size in the United States, and her people welcome heartily and to the best of their ability all new comers.

WORTH COUNTY.

NORTHWOOD.—Our flour mill burned during the winter of 1905 and has not been rebuilt, and a good mill can do a splendid business. We would like a canning factory and would be able to supply the raw material in abundance for same. This is a good location for a cement tile factory, as we have good sand available and a strong local demand for tile.

The town needs a good hotel and will support, in good shape, an up-to-date house.

Local capital would help in part to finance any of the above mentioned enterprises.

WRIGHT COUNTY.

CLARION.—Our railroad facilities are excellent and our public spirited men own considerable land adjacent to the junction point where the C., R. I. & P. crosses the C. G. W. which they would be pleased to see occupied by some form of public industry—for instance, a canning factory or a sugar beet factory. It is agreed that the sugar beet can be profitably raised in our locality and under the proper effort it could be cultivated in such quantity as would supply a factory.

EAGLE GROVE.—Could take care of a canning factory and a denatured alcohol distillery and would offer inducements for them to locate here. We could also encourage a small machine factory. We have flowing well water and cheap coal, also electric power and gas for mechanical purposes.

IMMIGRATION.

The following monthly statements of immigration into the United State were furnished by the Commissioner of Immigration, and show number of immigrants that arrived in the United States by countries, for each month of the year 1905, compared with those arriving each month of the year 1904. Also statements showing the number of aliens landed and debarred for each month of the year 1905, by ports.

It was thought advisable to present this information as the immigration question is becoming one of great interest, especially among the laboring classes, and such reliable information is desirable, but is not readily obtained on account of the limited number of reports on this subject that are issued and distributed by the United States Department of Immigration.

IMMIGRATION TO UNITED STATES DURING JULY, 1904 AND 1905.

Comparative statement showing the immigration into the United States, by countries during the months of July, 1904 and 1905, respectively, showing increase and decrease for each country.

Countries	1903	1904	Incr.	Decr.
Austria	7,987	5,001	2,986	
Hungary	7,982	4,561	3,421	
Belgium	277	316		19
Denmark	455	533		78
France, including Corsica	686	569		117
German Empire	5,732	3,234	2,498	
Greece	929	545	384	
Italy, including Sicily and Sardinia	19,942	6,053	13,887	
Netherlands	256	243		13
Norway	1,609	1,731		122
Portugal, including Cape Verde and Azore Islands	1,424	938	790	
Romania	303	368		5
Russian Empire	14,949	13,750	1,199	
Finland	1,431	902	549	
Servia, Bulgaria, and Montenegro	236	105	131	
Spain, including Canary and Balearic Islands	51	130		46
Sweden	1,739	1,686		53
Switzerland	217	247		30
Turkey in Europe	664	254	410	
England	3,864	7,107		3,243
Ireland	2,082	2,485		403
Scotland	1,118	1,891		273
Wales	155	161		6
Europe, not specified		1		1
Total, Europe	71,311	52,123	19,088	
China	140	281		132
Japan	591	1,470		880
India	19	17		2
Turkey in Asia	673	639		159
Other Asia	114	258		144
Total, Asia	1,545	2,565		1,020
Africa	40	94		43
Australia, Tasmania, and New Zealand	244	105	139	
Philippine Islands	8			8
Pacific Islands, not specified	5			5
British North America	40	269		216
British Honduras	4	10		6
Other Central America	72	136		37
Mexico	146	247		101
South America	297	243		24
West Indies	1,708	2,022		254
United States	704			
All other countries	21	11		10
Grand Total	76,060	57,701	18,299	

* Of the above number of aliens admitted, 11,238 were returned as having been in the United States before.

IMMIGRATION TO UNITED STATES DURING AUGUST, 1904 AND 1905.

Comparative statement showing the immigration into the United States, by countries, during the months of August, 1904 and 1905, respectively, showing increase and decrease for each country.

Countries	1903	1904	Incr.	Decr.
Austria	7,019	4,673	2,346	
Hungary	6,463	4,564	1,898	
Belgium	359	534		175
Denmark	464	535		69
France, including Corsica	733	930		177
German Empire	2,498	4,650		562
Greece	795	581		514
Italy, including Sicily and Sardinia	15,570	5,109	5,461	
Netherlands	280	401		121
Norway	1,623	1,630		105
Portugal, including Cape Verde and Azore Islands	67	65		2
Romania	419	377		42
Russian Empire	14,055	13,806		156
Finland	968	615		353
Servia, Bulgaria, and Montenegro	123	52		71
Spain, including Canary and Balearic Islands	124	123		1
Sweden	1,941	1,545		396
Switzerland	271	273		2
Turkey in Europe	909	445		464
England	4,702	8,419		3,717
Ireland	2,387	2,837		1,450
Scotland	1,223	1,567		344
Wales	135	291		156
Europe, not specified				
Total, Europe	54,534	54,903	4,231	
China	215	220		905
Japan	558	991		436
India	21	10		11
Turkey in Asia	612	584		28
Other Asia	10	206		386
Total, Asia	1,316	2,451		1,138
Africa	79	71		8
Australia, Tasmania, and New Zealand	135	242		107
Philippine Islands	1			1
Pacific Islands, not specified	1			4
British North America	80	403		323
British Honduras	5	13		8
Other Central America	58	14		36
Mexico	306	180		126
South America	331	221		110
West Indies	1,399	1,638		219
United States	1,190			
All other countries	20	11		9
Grand Total	63,409	59,777	3,632	

* Of the above number of aliens admitted, 10,802 were returned as having been in the United States before.

IMMIGRATION TO UNITED STATES DURING SEPTEMBER, 1904 AND 1905.

Comparative statement showing the immigration into the United States, by countries, during the months of September, 1904 and 1905, respectively, showing increase and decrease for each country.

Countries	1905	1904	Incr.	Decr.
Austria	5,075	4,919	1,056	
Hungary	7,622	6,347	1,275	
Belgium	288	450		162
Denmark	530	880		350
France, including Corsica	1,135	1,385		250
German Empire	5,066	4,914		1,738
Greece	1,132	968	764	
Italy, including Sicily and Sardinia	17,232	6,129	11,103	
Netherlands	224	330		106
Norway	1,931	2,969		1,038
Portugal, including Cape Verde and Azore Islands	896	463	433	
Roumania	446	434	14	
Russian Empire	12,737	11,211	1,526	
Finland	1,235	1,941		194
Serbia, Bulgaria, and Montenegro	90	48	42	
Spain, including Canary and Balearic Islands	149	261		112
Sweden	2,015	3,850		935
Switzerland	306	383		17
Turkey in Europe	378	119	259	
England	5,140	6,193		4,045
Ireland	4,061	10,207		6,146
Scotland	1,084	2,129		1,045
Wales	141	403		262
Europe, not specified	4	1	3	
Total, Europe	68,828	68,365	463	
China	41	148		107
Japan	620	419	201	
India	15	21		6
Turkey in Asia	659	536	123	
Other Asia	17	330		313
Total, Asia	1,352	1,454		102
Africa	33	50		17
Australia, Tasmania, and New Zealand	80	163		83
Philippine Islands	1	31		30
Pacific Islands, not specified	1	4		3
British North America	246	298		52
British Honduras		27		27
Other Central America	101	111		10
Mexico	164	278		108
South America	255	250		50
West Indies	1,322	1,740		388
United States	6,573			
All other countries	5	26		21
Grand Total	78,941	72,766	6,175	

* Of the above number of aliens admitted, 15,753 were returned as having been in the United States before.

IMMIGRATION TO UNITED STATES DURING OCTOBER, 1904 AND 1905.

Comparative statement showing the immigration into the United States, by countries, during the months of October, 1904 and 1905, respectively, showing increase and decrease for each country.

Countries	1905	1904	Incr.	Decr.
Austria	7,730	5,946	1,784	
Hungary	11,756	9,789	1,970	
Belgium	409	528		69
Denmark	660	879		198
France, including Corsica	1,381	1,737		356
German Empire	4,559	4,664		75
Greece	1,371	540	1,731	
Italy, including Sicily and Sardinia	17,484	9,762	7,722	
Netherlands	415	298	115	
Norway	1,837	2,272		435
Portugal, including Cape Verde and Azore Islands	725	231	494	
Roumania	221	257		36
Russian Empire	11,431	8,806	1,625	
Finland	1,057	908	149	
Serbia, Bulgaria, and Montenegro	316	192	217	
Spain, including Canary and Balearic Islands	292	315		56
Sweden	2,628	8,235		707
Switzerland	493	636		149
Turkey in Europe	560	111	449	
England	5,188	7,000		5,775
Ireland	4,011	9,471		5,460
Scotland	1,705	1,767		62
Wales	136	401		265
Europe, not specified	6	4	2	
Total, Europe	77,397	71,610	5,687	
China	330	190	124	
Japan	690	681		72
India	10	6		4
Turkey in Asia	763	4	311	
Other Asia	45	420		375
Total, Asia	1,747	1,755		8
Africa	40	78		29
Australia, Tasmania, and New Zealand	231	168		63
Philippine Islands	1	1		
Pacific Islands, not specified	1	1		
British North America	154	342		88
British Honduras		9		9
Other Central America	74	60	14	
Mexico	173	140	33	
South America	210	109	41	
West Indies	973	1,076		102
United States	5,859			
All other countries	9	10		1
Grand Total	86,758	75,325	11,433	

* Of the above number of aliens admitted, 16,629 were returned as having been in the United States before.

IMMIGRATION TO UNITED STATES DURING NOVEMBER, 1904 AND 1905.

Comparative statement showing the immigration into the United States, by countries, during the months of November, 1904 and 1905, respectively, showing increase and decrease for each country.

Countries	1905	1904	Incr.	Decr.
Austria	7,149	7,853		704
Hungary	8,614	12,292		3,678
Belgium	277	267		10
Denmark	415	740		325
France, including Corsica	1,099	972	127	
German Empire	2,963	8,521		5,558
Greece	1,374	522		852
Italy, including Sicily and Sardinia	14,245	8,923	5,322	
Netherlands	275	305		30
Norway	890	1,025		135
Portugal, including Cape Verde and Azore Islands	283	246	37	
Roumania	543	659		116
Russian Empire	7,325	17,344		9,919
Finland	730	825		95
Servia, Bulgaria and Montenegro	277	242	35	
Spain, including Canary and Balearic Islands	173	194		21
Sweden	1,003	1,737		734
Switzerland	257	225		32
Turkey in Europe	694	179	515	
England	3,457	4,903		1,446
Ireland	1,668	2,903		1,235
Scotland	856	1,463		607
Wales	91	227		136
Europe, not specified	2		2	
Total, Europe	54,904	67,625		12,721
China	153	240		87
Japan	1,021	587	434	
India	17	10		7
Turkey in Russia	727	778		51
Other Asia	10	163		153
Total, Asia	1,907	1,794	113	
Africa	45	74		29
Australia, Tasmania, and New Zealand	93	85	8	
Philippine Islands	8	2		6
Pacific Islands, not specified	6	2		4
British North America	113	331		218
British Honduras	6	5		1
Other Central America	63	49	14	
Mexico	176	129	47	
South America	159	151	8	
West Indies	654	784		130
United States	3,161	784		
All other countries	5	19		14
Grand Total	*61,574	71,037		9,063

* Of the above number of aliens admitted, 10,232 were returned as having been in the United States before.

IMMIGRATION TO UNITED STATES DURING DECEMBER, 1904 AND 1905.

Comparative statement showing the immigration into the United States, by countries, during the months of December, 1904 and 1905, respectively, showing increase and decrease for each country.

Countries	1905	1904	Incr.	Decr.
Austria	7,646	8,109		463
Hungary	12,700	15,324		2,624
Belgium	302	280		22
Denmark	403	423		20
France, including Corsica	602	638		36
German Empire	1,863	1,771	92	
Greece	778	388		390
Italy, including Sicily and Sardinia	10,728	7,211	3,517	
Netherlands	156	141	15	
Norway	585	622		37
Portugal, including Cape Verde and Azore Islands	104	65	39	
Roumania	650	417		233
Russian Empire	11,897	14,659		2,762
Finland	1,296	1,303		7
Servia, Bulgaria and Montenegro	302	346		44
Spain, including Canary and Balearic Islands	191	239		48
Sweden	845	942		97
Switzerland	200	219		19
Turkey in Europe	708	184	524	
England	2,697	2,596		101
Ireland	669	1,300		631
Scotland	802	940		138
Wales	62	130		68
Europe, not specified				
Total, Europe	55,739	58,990		3,251
China	164	106	58	
Japan	1,028	1,003	25	
India	9	10		1
Turkey in Asia	720	660	60	
Other Asia	10	438		428
Total, Asia	1,941	2,112		171
Africa	22	61		39
Australia, Tasmania, and New Zealand	125	96	29	
Philippine Islands	3	1		2
Pacific Islands, not specified	3	3		
British North America	98	108		10
British Honduras	6	6		
Other Central America	80	56	24	
Mexico	178	270		92
South America	304	134		170
West Indies	361	793		432
United States	3,831			
All other countries	8	11		3
Grand Total	*62,116	62,657		541

* Of the above number of aliens admitted, 9,031 were reported as having been in the United States before.

IMMIGRATION TO UNITED STATES DURING JANUARY, 1905 AND 1906.

Comparative statement showing the immigration into the United States, by countries, during the months of January, 1905 and 1906, respectively, showing increase and decrease for each country.

Countries	1905	1906	Incr.	Decr.
Austria	6,985	5,135	—	1,850
Hungary	12,538	11,108	—	1,430
Belgium	291	309	18	—
Bulgaria, Servia, and Montenegro	70	171	96	—
Denmark	234	209	—	25
France	503	550	47	—
German Empire	1,424	1,401	—	23
Greece	166	545	382	—
Italy	7,964	11,229	3,265	—
Netherlands	272	217	—	55
Portugal	241	342	101	—
Norway	278	232	—	45
Roumania	413	355	—	58
Russian Empire and Finland	15,745	10,389	—	5,356
Spain	212	95	—	119
Sweden	458	346	—	112
Switzerland	399	192	—	207
Turkey in Europe	147	468	321	—
England	5,474	2,984	—	2,490
Ireland	781	143	—	638
Scotland	721	524	—	197
Wales	91	89	—	11
Total, Europe	60,212	46,269	—	13,943
China	99	141	42	—
Japan	506	911	405	—
India	11	10	—	1
Turkey in Asia	351	301	—	50
Other Asia	297	5	—	292
Total, Asia	1,264	1,374	110	—
Africa	47	52	5	—
Australia, Tasmania, and New Zealand	129	85	—	44
Pacific Islands, not specified	14	5	—	9
British North America	120	88	—	32
British Honduras	7	12	5	—
Other Central America	27	60	33	—
Mexico	135	103	—	32
South America	138	82	—	56
West Indies	1,184	476	—	708
United States	2,519	—	—	—
Other countries	9	2	—	7
Grand total	66,265	51,127	—	15,138

IMMIGRATION TO UNITED STATES DURING FEBRUARY, 1905 AND 1906.

Comparative statement showing the immigration into the United States, by countries, during the months of February, 1905 and 1906, respectively, showing increase and decrease for each country.

Countries	1905	1906	Incr.	Decr.
Austria	10,445	7,981	—	2,464
Hungary	19,613	15,775	—	3,838
Belgium	272	345	73	—
Bulgaria, Servia, and Montenegro	38	421	383	—
Denmark	573	400	—	173
France	427	463	36	—
German Empire	1,456	1,332	—	124
Greece	128	378	250	—
Italy	11,557	14,451	2,894	—
Netherlands	187	227	40	—
Norway	1,016	506	—	510
Portugal	309	463	154	—
Roumania	284	330	46	—
Russian Empire and Finland	11,998	13,410	1,412	—
Spain	145	125	—	20
Sweden	1,050	569	—	481
Switzerland	151	247	96	—
Turkey in Europe	185	340	155	—
England	2,716	2,880	164	—
Ireland	934	534	—	400
Scotland	639	625	—	14
Wales	94	92	—	2
Europe not specified	1	—	—	1
Total, Europe	64,227	62,197	—	2,030
China	131	52	—	79
Japan	695	1,294	599	—
India	2	19	17	—
Turkey in Asia	298	154	—	144
Other Asia	292	4	—	288
Total, Asia	1,418	1,524	106	—
Africa	40	39	—	1
Australia, Tasmania and New Zealand	121	124	3	—
British North America	87	113	26	—
British Honduras	7	28	21	—
Other Central America	61	139	78	—
Mexico	379	114	—	265
South America	128	129	1	—
West Indies	1,115	777	—	338
United States	2,519	—	—	—
Other countries	21	3,352	3,331	—
Grand total	67,117	68,096	979	—

IMMIGRATION TO UNITED STATES DURING MARCH, 1905 AND 1906.

Comparative statement, showing the immigration into the United States, by countries, during the months of March, 1905 and 1906, respectively, showing increase or decrease for each country.

Countries	1905	1906	Incr.	Decr.
Austria	16,772	13,004	—	3,678
Hungary	26,704	22,418	—	4,286
Belgium	507	683	—	—
Bulgaria, Servia, and Montenegro	255	1,159	894	—
Denmark	1,331	1,001	—	330
France	557	583	—	—
German Empire	3,293	2,949	—	333
Greece	349	2,471	2,122	—
Italy	39,453	38,822	—	631
Netherlands	909	789	—	120
Norway	3,333	2,245	—	1,108
Portugal	1,170	1,458	288	—
Roumania	215	225	10	—
Russian Empire and Finland	16,318	24,202	7,884	—
Spain	270	217	—	53
Sweden	2,630	1,884	—	746
Switzerland	372	304	—	68
Turkey in Europe	416	865	449	—
England	3,723	3,938	215	—
Ireland	5,047	1,602	—	3,445
Scotland	1,199	1,204	5	—
Wales	116	149	33	—
Europe not specified	—	23	23	—
Total, Europe	123,061	123,008	—	448
China	66	73	7	—
Japan	1,858	1,883	25	—
India	8	14	6	—
Turkey in Asia	117	134	17	—
Other Asia	538	5	—	533
Total, Asia	2,077	1,600	—	468
Africa	34	63	29	—
Australia, Tasmania and New Zealand	204	129	—	75
British North America	17	719	702	—
British Honduras	13	19	6	—
Other Central America	129	105	—	24
Mexico	146	325	179	—
South America	239	246	7	—
West Indies	879	1,220	341	—
United States	—	6,298	6,298	—
Other countries	18	9	—	9
Grand total	136,322	133,245	6,313	—

IMMIGRATION TO UNITED STATES DURING APRIL, 1905 AND 1906.

Comparative statement, showing the immigration into the United States, by countries during the months of April, 1905 and 1906, respectively, showing increase or decrease for each country.

Countries	1905	1906	Incr.	Decr.
Austria	14,060	13,869	—	220
Hungary	25,393	21,397	—	3,996
Belgium	578	773	200	—
Bulgaria, Servia, and Montenegro	310	1,187	877	—
Denmark	830	1,233	403	—
France	848	901	53	—
German Empire	3,333	4,469	1,136	—
Greece	2,080	3,013	933	—
Italy	41,428	39,304	—	2,124
Netherlands	705	718	13	—
Norway	3,828	4,183	355	—
Portugal	187	787	600	—
Roumania	271	330	59	—
Russian Empire and Finland	19,503	30,800	11,297	—
Spain	311	194	—	117
Sweden	3,174	3,149	—	25
Switzerland	641	583	—	58
Turkey in Europe	1,149	1,738	589	—
England	4,733	5,931	1,198	—
Ireland	7,943	7,396	—	547
Scotland	1,843	2,813	970	—
Wales	195	235	40	—
Europe not specified	—	1	1	—
Total, Europe	137,738	144,968	7,230	—
China	110	85	—	25
Japan	1,161	1,729	568	—
India	25	56	31	—
Turkey in Asia	306	471	165	—
Other Asia	426	7	—	419
Total, Asia	2,045	2,358	313	—
Africa	84	92	8	—
Australia, Tasmania and New Zealand	124	83	—	41
British North America	50	933	883	—
British Honduras	5	7	2	—
Other Central America	104	102	—	2
Mexico	365	190	—	175
South America	301	369	68	—
West Indies	1,307	1,291	—	16
Other countries	1	8	7	—
Grand total	137,094	150,397	13,303	—

IMMIGRATION TO UNITED STATES DURING MAY, 1905 AND 1906.

Comparative statement showing the number of aliens (exclusive of aliens in transit) admitted to the United States, by countries, during the months of May, 1905 and 1906, respectively, showing increase or decrease for each country.

Countries	1905	1906	Incr.	Decr.
Austria	13,689	16,525	2,836	
Hungary	15,972	17,050	1,078	
Belgium	657	786	129	
Bulgaria, Servia, and Montenegro	294	215		79
Denmark	1,359	1,309		150
France	907	699		208
German Empire	4,796	5,313	517	
Greece	2,546	3,416	870	
Italy	42,785	42,565		220
Netherlands	773	924	151	
Norway	3,890	4,037	147	
Portugal	1,298	1,393	95	
Roumania	289	334	45	
Russian Empire and Finland	13,665	28,817	15,152	
Spain	181	179		2
Sweden	3,239	3,619	380	
Switzerland	515	452		63
Turkey in Europe	824	1,439	615	
England	4,945	5,754	811	
Ireland	6,871	7,110	239	
Scotland	1,968	2,154	186	
Wales	238	176		62
Europe not specified	4	5		1
Total, Europe	122,014	144,137	22,123	
China	259	87		172
Japan	620	2,124	1,504	
India	46	10		36
Turkey in Asia	715	520		195
Other Asia	203	62		151
Total, Asia	1,845	2,793	947	
Africa	59	80	21	
Australia, Tasmania and New Zealand	207	190		17
British North America	85	1,124	1,060	
British Honduras	24	1		23
Other Central America	197	105		92
Mexico	396	297		99
South America	336	231		105
West Indies	2,291	1,900		391
Other countries	17	9		8
Grand total	127,635	150,927	23,292	

IMMIGRATION TO UNITED STATES DURING FISCAL YEARS ENDING JUNE 30, 1905 AND 1906.

Comparative statement showing the number of aliens (exclusive of aliens in transit) admitted to the United States, by countries, during the fiscal years ended June 30, 1905 and 1906, respectively, showing increase or decrease for each country.

Country	1905	1906	Incr.	Decr.
Austria	13,507	11,479		2,028
Hungary	12,712	10,061		2,651
Belgium	455	409		46
Bulgaria, Servia, and Montenegro	275	176		99
Denmark	699	284		415
France	905	534		371
German Empire	3,638	3,066		572
Greece	1,693	2,389	696	
Italy	35,071	38,091	3,020	
Netherlands	393	407	14	
Norway	2,490	2,209		281
Portugal	240	503	263	
Roumania	451	410		41
Russian Empire and Finland	21,477	23,394	1,917	
Spain	219	122		97
Sweden	2,436	2,175		261
Switzerland	310	247		63
Turkey in Europe	838	1,380	542	
England	3,971	4,809	838	
Ireland	3,231	3,152		79
Scotland	1,369	1,908	539	
Wales	176	261	85	
Europe not specified	2	7	5	
Total, Europe	106,075	113,903	7,828	
China	298	58		240
Japan	837	1,958	1,121	
India	16	16		
Turkey in Asia	1,058	649		409
Other Asia	1,025	72		953
Total, Asia	3,144	2,744		400
Africa	65	99	34	
Australia, Tasmania and New Zealand	147	90		57
British North America	25	1,189	1,164	
British Honduras	4	1		3
Other Central America	95	110	15	
Mexico	272	79		193
South America	186	196	10	
West Indies	2,273	1,465		808
Other countries	29	33	4	
Grand total	112,315	119,900	7,585	

IMMIGRATION TO UNITED STATES DURING JULY, 1905.

Statement, by ports, showing the number of aliens landed and debarred, together with those returned by immigration authorities after landing, during the month ending July 31, 1905.

Ports	Land- ed	Debarred										Re- turned by im- migra- tion au- thor- ities after land- ing
		Idi- ots	In- sane per- sons and epi- lep- tics	Pau- pers, or likely to be- come pub- lic charges, and beg- gars	Loath- some or dan- gerous con- tagi- ous dis- eases	Con- victs	Po- ly- ma- nist	Pros- ti- tutes and pro- cu- rers	Con- tract la- bor- ers	Tot- al de- bar- red		
New York, N. Y.	58,619	1	a 4	b 861	c 182	7		1	8	1,064	53	8
Boston, Mass.	4,225			20	3				1	24	28	8
Baltimore, Md.	3,710			24	2				2	28	32	5
Philadelphia, Pa.	1,762			7	5					12	19	2
San Francisco, Cal.	452				9					9		
San Juan, P. R.	137			3	18						21	
Honolulu, H. I.	386			2	18			1		3	3	
Key West, Fla.	811			1	3					5	5	
New Orleans, La.	95									5	5	
Galveston, Tex.	204			3	2					5	5	2
Seattle, Wash.	224			3						3	3	
New Bedford, Mass.	786			3						3		
Portland, Ore.												
Eagle Pass, Tex.	12									2		
El Paso, Tex.	113				2							
Miami, Fla.	42											
Mobile, Ala.	13											
Naco, Ariz.	11											
Nogales, Ariz.	6			4								
Norfolk, Va.	11			1						4	1	
Pensacola, Fla.	5											
Portland, Me.												
Montreal, Can.—Ports:												
Atlantic.	1,855			1	d 23					24	7	
Pacific.	108			2	3							
Border.	2,431			166	e 42			2	18	229		
Bangor, Me.	8									1	1	
Other ports.	4							1				
Total.	76,000	1	5	1,101	296	7	1	4	30	1,445	70	

† Includes Puget Sound district.

a Includes 1 accompanying insane. b Includes 3 accompanying paupers. c Includes 1, d includes 3, and e includes 2 accompanying diseased.

Stowaways (not examined under immigration laws) returned, 17.

IMMIGRATION TO UNITED STATES DURING AUGUST, 1905.

Statement, by ports, showing the number of aliens landed and debarred, together with those returned by immigration authorities after landing, during the month ending August 31, 1905.

Ports	Land- ed	Debarred										Re- turned by im- migra- tion au- thor- ities after land- ing
		Idi- ots	In- sane per- sons and epi- lep- tics	Pau- pers, or likely to be- come public charges, and beg- gars	Loath- some or dan- gerous con- tagi- ous dis- eases	Con- victs	Po- ly- ma- nist	Pros- ti- tutes and pro- cu- rers	Con- tract la- bor- ers	No cer- tifi- cate	Tot- al de- bar- red	
New York, N. Y.	49,917	a 14	1	e 722	d 138	4		1	20		900	33
Boston, Mass.	3,653			24	3			1			28	11
Baltimore, Md.	2,653			14	3						23	6
Philadelphia, Pa.	1,396			8	3						6	3
San Francisco, Cal.	626				4						4	
San Juan, P. R.	131				2						4	1
Honolulu, H. I.	333				1						2	
Key West, Fla.	322			3	1						4	
New Orleans, La.	28											
Galveston, Tex.	286			14	2						16	2
Seattle, Wash.	190			1	6			2			11	
New Bedford, Mass.	49										6	
Portland, Ore.												
Eagle Pass, Tex.	17			1	4						3	
El Paso, Tex.	70											
Miami, Fla.	9											
Mobile, Ala.	29											
Naco, Ariz.	23										9	
Nogales, Ariz.	6			2							2	
Norfolk, Va.	5											
Pensacola, Fla.	2											
Portland, Me.												
Montreal, Can.—Ports:												
Atlantic.	1,383			2	5						7	
Pacific.	79			2	6						11	
Border.	2,554	b 2		104	62	2		2	12	33	313	
Laredo.	122			29	36			2	7		65	
Gulfpport.	3			2							2	
Brownsville.	2											
Other ports.	7											
Total.	63,409	16	1	930	285	6	2	5	42	23	1,311	56

† Includes Puget Sound district.

a Includes 7 and b includes 1 accompanying idiots. c Includes 6 accompanying paupers. d In-
cludes 5 accompanying diseased. e No cause of debarment given.

Stowaways (not examined under immigration laws) returned 49.

IMMIGRATION TO THE UNITED STATES DURING SEPTEMBER, 1905.

Statement, by ports, showing the number of aliens landed and debarred, together with those returned by immigration authorities after landing, during the month ending September 30, 1905.

Ports	Landed	Debarred										Returned by immigration authorities after landing
		Idiots	In-sane persons and epileptics	Paupers or likely to become public charges, and beggars	Loathsome or dangerous contagious diseases	Convicts	Prostitutes and procurers	Contract laborers	Under provisions of Chinese Exclusion Act	No certificate	Total debarred	
New York, N. Y.	60,931	a 10	11	208	d 38	2	1	9			279	42
Boston, Mass.	6,488	b 2	c 2	48	6			1			59	4
Baltimore, Md.	2,082			9	2			1			12	1
Philadelphia, Pa.	2,483			4	d 6						10	5
San Francisco, Cal.												
San Juan, P. R.	142			2	1						2	
Honolulu, H. I.	173										1	
Key West, Fla.	413			4	1			1			6	
New Orleans, La.	27										2	
Galveston, Tex.	271							2			6	
Seattle, Wash.	176				4						6	
New Bedford, Mass.	172			1							1	
Portland, Ore.												
Eagle Pass, Tex.	17										5	
El Paso, Tex.	126										6	
Miami, Fla.	32											
Mobile, Ala.	10											
Naco, Ariz.												
Nogales, Ariz.	6			1							1	
Norfolk, Va.	7											
Pensacola, Fla.	12											
Portland, Me.												
Montreal, Can.—Ports:												
Atlantic	1,511			2	e 16						18	
Pacific	177			2	3						5	
Border	2,074			85	d 48	1	1	34	5	17	158	
Ketchikan	41											
Laredo	50			8	14						22	
Savannah	8										1	
Other ports	11										1	
Total	78,941	12	13	377	140	3	2	53	2	17	619	55

†Includes Puget Sound district.

a Includes 4 and b includes 1 accompanying idiots. c Includes 1 accompanying insane. d Includes 1 accompanying diseased and e includes 5 accompanying diseased.

Stowaways (not examined under immigration laws) returned 45.

IMMIGRATION TO UNITED STATES DURING OCTOBER, 1905.

Statement, by ports, showing the number of aliens landed and debarred, together with those returned by immigration authorities after landing, during the month ending October, 1905.

Ports	Landed	Debarred										Returned by immigration authorities after landing
		Idiots	In-sane persons and epileptics	Paupers or likely to become public charges, and beggars	Loathsome or dangerous contagious diseases	Convicts	Prostitutes and procurers	Contract laborers	Under provisions of Chinese exclusion act	No certificate	Total debarred	
New York, N. Y.	66,759	a 10	b 7	c 145	31		3				196	35
Boston, Mass.	7,005		b 2	67	8		2				79	4
Baltimore, M. D.	3,588			1	1						2	
Philadelphia, Pa.	1,587			3	2						5	
San Francisco, Cal.	1,900				16				10		26	
San Juan, P. R.	145											
Honolulu, H. I.	207			1	1							
Key West, Fla.	402				2		1				10	
New Orleans, La.	64											
Galveston, Tex.	247			6	11							
Seattle, Wash.	171								1		18	
New Bedford, Mass.												
Portland, Ore.												
Eagle Pass, Tex.	5											
El Paso, Tex.	156			3	3						6	
Miami, Fla.	37											
Mobile, Ala.	15											
Naco, Ariz.	13											
Nogales, Ariz.	1											
Norfolk, Va.	11			8							5	
Pensacola, Fla.												
Portland, Me.												
Montreal, Can.—Ports:												
Atlantic	1,736			7	d 9			4			30	
Pacific	196			2	8						11	
Border	2,592			71	e 69	3	22	2			176	
Ketchikan	24											
Laredo	56				6			1			15	
Savannah	6										1	
Other ports	6											
Total	86,758	11	9	330	173		4	29	19	9	583	43

†Includes Puget Sound district.

a Includes 5 accompanying idiots. b Includes 1 accompanying insane. c Includes 1 accompanying paupers. d Includes 2 accompanying diseased.

Stowaways (not examined under immigration laws) returned 34.

IMMIGRATION TO UNITED STATES DURING NOVEMBER, 1905.

Statement, by ports, showing the number of aliens landed and debarrred, together with those returned by immigration authorities after landing, during the month ending November 30, 1905.

Ports	Landed	Debarred										Returned by immigration authorities after landing
		Idiots	Insane persons or likely to become public charges and beggars	Paupers, or likely to become public charges and beggars	Loathsome or dangerous contagious diseases	Convicts	Prostitutes and procurers	Contract laborers	Under provisions of Chinese exclusion act	No certificate	Total debarred	
New York, N. Y.	48,104	a 3	b 5	c 259	d 35	1	29				332	50
Boston, Mass.	5,120		1	74	5			5			85	2
Baltimore, Md.	1,320			9				2			12	4
Philadelphia, Pa.	908	1		2							3	3
San Francisco, Cal.	330			1	6				4		11	
San Juan, P. R.	124			1			1				2	
Honolulu, H. I.	680			1							22	6
Key West, Fla.	220			3							6	
New Orleans, La.	91						2				5	
Galveston, Tex.	287			1							4	2
Seattle, Wash.	197				3							
New Bedford, Mass.												
Portland, Ore.												
Eagle Pass, Tex.	6										1	
El Paso, Tex.	116						1				1	
Miami, Fla.	36											
Mobile, Ala.	31											
Naco, Ariz.	11											
Nogales, Ariz.	2											
Norfolk, Va.	3											
Pensacola, Fla.	8											
Portland, Me.											1	
Montreal, Can.—Ports												
Atlantic	958			1	1						2	
Pacific	103										2	
Border	2,455			71	38			28	1	12	150	
Brownsville	4										22	
Laredo	83			15	6						21	
Savannah	7				1						1	
Other ports	7											
Total	61,374	5	6	439	122	1	72	9	12	662	61	

[†] Includes Puget Sound district.

^a Includes 1 accompanying idiot. ^b Includes 1 accompanying insane. ^c Includes 19 accompanying paupers. ^d Includes 1 accompanying diseased.

Stowaways (not examined under immigration laws) returned 28.

IMMIGRATION TO UNITED STATES DURING DECEMBER, 1905.

Statement, by ports, showing the number of aliens landed and debarrred, together with those returned by immigration authorities after landing, during the month ending December 31, 1905.

Ports	Landed	Debarred										Returned by immigration authorities after landing
		Idiots	Insane persons or likely to become public charges and beggars	Paupers, or likely to become public charges and beggars	Loathsome or dangerous contagious diseases	Convicts	Prostitutes and procurers	Contract laborers	Under provisions of Chinese exclusion act	No certificate	Total debarred	
New York, N. Y.	50,677	a 12	b 11	b 209	c 27	1		16			276	25
Boston, Mass.	1,515	22		13							16	1
Baltimore, Md.	2,368			1					1		1	1
Philadelphia, Pa.	1,330			5	5						10	7
San Francisco, Cal.	427								5		25	
San Juan, P. R.	286											
Honolulu, H. I.	427				3							
Key West, Fla.	137											
New Orleans, La.	83				1						2	
Galveston, Tex.	432			1							3	1
Seattle, Wash.	130				10						5	1
New Bedford, Mass.									1		11	
Portland, Ore.												
Eagle Pass, Tex.	15				4							
El Paso, Tex.	211			1	17		1				11	
Miami, Fla.												
Mobile, Ala.	21											
Naco, Ariz.	7											
Nogales, Ariz.	1											
Norfolk, Va.	1											
Pensacola, Fla.	13											
Portland, Me.	108											
Montreal, Can.—Ports												
Atlantic	901			5	1							
Pacific	95										6	
Border	2,363		1	77	e 45		1	57	1		189	
Brownsville	6											
Jacksonville	10			2							2	
Laredo	65			10	15			5			30	
Other ports	4											
Total	62,116	14	12	340	148	2	2	76	8	1	603	36

[†] Includes Puget Sound district.

^a Includes 3 and ^d includes 1 accompanying idiot. ^b Includes 16 accompanying paupers. ^c Includes 1 and ^e includes 1 accompanying diseased.

Stowaways (not examined under immigration laws) returned 43.

IMMIGRATION TO UNITED STATES DURING JANUARY, 1906.

Statement, by ports, showing the number of aliens landed and debarred, together with those returned by immigration authorities after landing, during the month ending January 31, 1906.

Ports	Landed	Debarred										Returned by immigration authorities after landing
		Idiots	In-sane persons and epileptics	Fau- pers, or likely to become public charges, and beggars	Loath-some or dan- gerous con- tagious dis- eases	Con- victs	Prosti- tutes and procu- rers	Con- tract lab- orers	Under provi- sions of Chi- nese exclu- sion act	Ac- com- pany ing al- iens	Total de- barred	
New York, N. Y.	41,412	4	5	150	41	2		12		8	222	52
Boston, Mass.	2,371		1	40	4					2	47	7
Baltimore, Md.	1,192			13							10	2
Philadelphia, Pa.	1,107			4	5						9	1
San Francisco, Cal.	304				8					5	13	
Honolulu, H. I.	809											
Key West, Fla.	612			6				3			11	1
New Orleans, La.	905			6	2			1			9	
Galveston, Tex.	259			1	3						6	
Seattle, Wash.	44			1	4						5	
Eagle Pass, Tex.	10				2						2	
El Paso, Texas	159				13						21	
Miami, Fla.	35											
Mobile, Ala.	37											
Naco, Ariz.	18											
Portland, Me.	100											
Through Canada:												
Atlantic Ports	430			4				1			5	
Pacific Ports	34										2	
Border stations	1,154			55	23	1		28			107	
Brownsville	5											
Laredo	87				12			3			23	2
Other Ports	10											
Total	51,127	4	6	207	120	3	2	49	5	12	498	65

† Includes Puget Sound District.

IMMIGRATION TO UNITED STATES DURING FEBRUARY, 1906.

Statement, by ports, showing the number of aliens landed and debarred, together with those returned by immigration authorities after landing, during the month ending February 28, 1906.

Ports	Landed	Debarred										Returned by immigration authorities after landing
		Idiots	In-sane persons and epileptics	Fau- pers, or likely to become public charges, and beggars	Loath-some or dan- gerous con- tagious dis- eases	Con- victs	Prosti- tutes and procu- rers	Con- tract lab- orers	Under provi- sions of Chi- nese exclu- sion act	Ac- com- pany ing al- iens	Total de- barred	
New York, N. Y.	55,441	4	6	193	59	8	1	38		7	296	24
Boston, Mass.	2,722			45	3						48	
Baltimore, Md.	4,094			6	3			4		1	53	
Philadelphia, Pa.	769			2	3			1		1	11	
Through Canada:												
Atlantic ports	591			4	1			9			14	
Pacific ports	174			2	2						4	
Border stations	1,432			28	21			1	41	6	144	
San Francisco, Cal.	284											
San Juan, P. R.	220											
Honolulu, H. I.	1,039											
Key West, Fla.	700			2							1	
New Orleans, La.	108											
Galveston, Tex.	322			4							4	
Seattle, Wash.	152											
Portland, Me.	253			1							2	
Eagle Pass, Tex.	10											
El Paso, Tex.	90											
Laredo, Tex.	86			3	17						4	
Miami, Fla.	80			1							5	
Mobile, Ala.	48											
Naco, Ariz.	28											
Norfolk, Va.	7											
Pensacola, Fla.	4											
Other ports	9											
Total	68,696	4	6	283	122	8	2	90	7	9	637	28

IMMIGRATION TO UNITED STATES DURING MARCH, 1906.

Statement, by ports, showing the number of aliens landed and debarrred, together with those returned by immigration authorities after landing, during the month ending March 31, 1906.

Ports	Landed	Debarred										Returned by immigration authorities after landing
		Idiots	In-sane persons and epileptics	Paupers or likely to become public charges, and beggars	Loathsome or dangerous contagious diseases	Convicts	Prostitutes and procurers	Contract laborers	Under provisions of Chinese exclusion act	Accompanying aliens	Total debarred	
New York, N. Y.	110,741	2	12	250	54	20	24	16	378	52	3	40
Boston, Mass.	7,245	2	35	12	7	1	8	4	58	7	7	10
Baltimore, Md.	6,914	49	8	3	1	22	2	9	14	11	4	3
Philadelphia, Pa.	2,208	8	3	1	1	1	1	1	1	1	1	1
Through Canada:												
Atlantic ports	859	2	4	5	7	7	7	7	7	7	7	7
Pacific ports	167	2	36	22	1	22	9	14	14	14	14	14
Border stations	1,302	2	36	22	1	22	9	14	14	14	14	14
San Francisco, Cal.	366	2	36	22	1	22	9	14	14	14	14	14
San Juan, P. R.	147	8	3	1	1	1	1	1	1	1	1	1
Honolulu, H. I.	1,082	8	3	1	1	1	1	1	1	1	1	1
Key West, Fla.	86	1	1	1	1	1	1	1	1	1	1	1
New Orleans, La.	73	1	1	1	1	1	1	1	1	1	1	1
Galveston, Tex.	547	1	1	1	1	1	1	1	1	1	1	1
Seattle, Wash.	23	1	1	1	1	1	1	1	1	1	1	1
Portland, Me.	25	1	1	1	1	1	1	1	1	1	1	1
Eagle Pass, Tex.	189	1	1	1	1	1	1	1	1	1	1	1
El Paso, Tex.	90	1	1	1	1	1	1	1	1	1	1	1
Laredo, Tex.	108	1	1	1	1	1	1	1	1	1	1	1
Miami, Fla.	44	1	1	1	1	1	1	1	1	1	1	1
Mobile, Ala.	12	1	1	1	1	1	1	1	1	1	1	1
Naco, Ariz.	4	1	1	1	1	1	1	1	1	1	1	1
Norfolk, Va.	3	1	1	1	1	1	1	1	1	1	1	1
Pensacola, Fla.	17	1	1	1	1	1	1	1	1	1	1	1
Other ports												
Total	133,245	4	14	387	134	20	2	62	16	30	659	69

IMMIGRATION TO UNITED STATES DURING APRIL, 1906.

Statement, by ports, showing the number of aliens landed and debarrred, together with those returned by immigration authorities after landing, during the month ending April 30, 1906.

Ports	Landed	Debarred										Returned after landing
		Idiots	In-sane persons and epileptics	Paupers or likely to become public charges, and beggars	Loathsome or dangerous contagious diseases	Convicts	Prostitutes and procurers	Contract laborers	Under provisions of Chinese exclusion act	Accompanying aliens	Total debarred	
New York, N. Y.	119,065	5	22	583	71	52	481	2	52	1,308	40	10
Boston, Mass.	7,970	2	1	39	4	1	10	1	1	3	9	10
Baltimore, Md.	11,439	1	1	34	8	1	1	1	1	3	51	4
Philadelphia, Pa.	4,392	10	19	3	1	1	1	1	1	1	27	3
Through Canada:												
Atlantic ports	2,454	2	17	1	1	1	1	1	1	1	2	1
Pacific ports	301	1	35	7	1	63	4	1	1	1	222	18
Border stations	1,745	1	35	7	1	63	4	1	1	1	8	8
San Francisco, Cal.	214	1	35	7	1	63	4	1	1	1	8	8
San Juan, P. R.	63	1	1	1	1	1	1	1	1	1	1	1
Honolulu, H. I.	1,381	1	1	1	1	1	1	1	1	1	1	1
Key West, Fla.	327	1	1	1	1	1	1	1	1	1	1	1
New Orleans, La.	30	1	1	1	1	1	1	1	1	1	1	1
Galveston, Tex.	1,008	1	1	1	1	1	1	1	1	1	1	1
Seattle, Wash.	97	1	1	1	1	1	1	1	1	1	1	1
Portland, Me.	190	1	1	1	1	1	1	1	1	1	1	1
Eagle Pass, Tex.	9	1	1	1	1	1	1	1	1	1	1	1
Laredo, Tex.	29	1	1	1	1	1	1	1	1	1	1	1
Miami, Fla.	141	1	1	1	1	1	1	1	1	1	1	1
Mobile, Ala.	20	1	1	1	1	1	1	1	1	1	1	1
Other ports	27	1	1	1	1	1	1	1	1	1	1	1
Total	150,397	8	24	818	176	56	1	562	9	56	1,710	61

INWARD PASSENGER MOVEMENT, APRIL, 1906.

	Immigrant aliens admitted	Nonimmigrant aliens admitted	United States citizens arrived	Aliens debarred	Grand total
Male	114,702	12,613	7,060	1,514	135,889
Female	35,696	3,221	4,480	196	43,593
Total	150,397	15,834	11,540	1,710	179,481

a Aliens whose last permanent residence was in the United States, and other aliens whose final destination is not within the United States, are classed as nonimmigrant aliens.

IMMIGRATION TO UNITED STATES DURING MAY, 1906.

Statement, by ports, showing the number of aliens landed and debarred, together with those returned by immigration authorities after landing, during the month ending May 31, 1906.

Ports	Landed	Debarred										Re-turned by im-mi-gration au-thorities after land-ing
		Id-iots	In-sane per-sons and epi-lep-tics	Paup-ers, or likely to be come pub-lic char-ges, and beg-gars	Loath-some or dan-gerous con-tagious dis-eases	Con-vents	Pros-ti-tutes and pro-cu-rers	Con-tract lab-orers	Under provi-sions of Chi-nese exclu-sion act	Ac-com-pany-ing al-ien	Tot-al de-barred	
New York, N. Y.	120,951	3	21	484	114	50	977	36	1	1,685	41	1
Boston, Mass.	9,996	1	2	53	3		3	1	64	64	1	
Baltimore, Md.	8,708			37	11			4	2	54		
Philadelphia, Pa.	2,450	1		15	3					19		2
Through Canada:	2,056											
Atlantic ports:	302	1		1	12			65		78		
Pacific ports:	1,571	2		137	42			1	11	250		
Border stations:	322				16					27		
San Francisco, Cal.	44				13					1		
San Juan, P. R.	1,429				13					15		
Honolulu, H. I.	463			2	13					2		
Key West, Fla.	624			3	2					5		
New Orleans, La.	1,046			1						1		
Galveston, Tex.	239				8			10		5		
Seattle, Wash.	131							10		5		
Portland, Me.	19							2		1		
New Bedford, Mass.	295									1		
El Paso, Tex.	6				6	45				52		
Eagle Pass, Tex.	19							1		23		
Laredo, Tex.	47									3		
Miami, Fla.	114									6		
Mobile, Ala.												
Other ports:												
Total	150,927	6	25	764	274	50	4	1,061	12	40	2,238	51

INWARD PASSENGER MOVEMENT, MAY, 1906.

	Immigrant aliens admitted	a Nonimmigrant citizens admitted	United States citizens arrived	Aliens debarred	Grand total
Male	108,812	12,079	7,473	2,925	130,289
Female	42,115	3,322	5,121	213	50,771
Total	150,927	15,401	12,594	2,238	181,160

a Aliens whose last permanent residence was in the United States, and other aliens whose final destination is not within the United States, are classed as nonimmigrant aliens.

IMMIGRATION TO UNITED STATES DURING JUNE, 1906.

Statement, by ports, showing the number of aliens landed and debarred, together with those returned by immigration authorities after landing, during the month ending June 30, 1906.

Ports	Landed	Debarred										Re-turned by im-mi-gration au-thorities after land-ing
		Id-iots	In-sane per-sons and epi-lep-tics	Paup-ers, or likely to be come pub-lic char-ges, and beg-gars	Loath-some or dan-gerous con-tagious dis-eases	Con-vents	Pros-ti-tutes and pro-cu-rers	Con-tract lab-orers	Under provi-sions of Chi-nese exclu-sion act	Ac-com-pany-ing al-ien	Tot-al de-barred	
New York, N. Y.	98,236	5	17	653	148	48	4	106		39	1,021	47
Boston, Mass.	5,997	1		60	7			2		1	72	4
Baltimore, Md.	5,262			16	7			3		1	27	1
Philadelphia, Pa.	2,514	1		25	5	1				1	35	2
Through Canada:												
Atlantic ports:	2,349			7	3			2			12	
Pacific ports:	345			30	27			60		25	204	20
Border stations:	2,198			159	42					9	21	
San Francisco, Cal.	127				13						1	
San Juan, P. R.	18											
Honolulu, H. I.	1,179			2				6		3	11	
Key West, Fla.	108			4	1						6	1
New Orleans, La.	36											
Galveston, Texas	144			1	3					2	6	
Seattle, Wash.	213			1	4					5	10	9
New Bedford, Mass.	322			1	1						3	
El Paso, Tex.	177			11	27						38	4
Eagle Pass, Tex.	13									2	3	
Other ports:	11											
Total	119,900	7	19	942	282	49	4	179	42	43	1,569	69

INWARD PASSENGER MOVEMENT, JUNE, 1906.

	Immigrant aliens admitted	a Nonimmigrant citizens admitted	United States citizens arrived	Aliens Debarred	Grand total
Male	81,743	8,155	6,944	1,283	98,125
Female	38,157	2,006	4,890	596	45,599
Total	119,900	10,191	11,764	1,869	143,424

a Aliens whose last permanent residence was in the United States, and other aliens whose final destination is not within the United States, are classed as nonimmigrant aliens.

WAGE EARNERS OF IOWA.

In the compilation of this chapter an endeavor has been made to secure from wage workers throughout the State, such information as to their earnings, the conditions surrounding their employment and matters pertaining to their home life as will prove both interesting and instructive; and while the responses were not as numerous as was expected, many interesting facts and figures, together with opinions, desires and aspirations of individuals are given, which doubtless would not in any other way reach the public notice.

Discussions on subjects treated in this and other chapters are becoming frequent and more searching. Students in our colleges and schools are delving into matters concerning the welfare of the toiling portion of the people, evidence of this being given by the numerous inquiries made of this department for information.

WAGES.

Of the 407 individual wage earners who responded on the blanks sent them by this department for the year 1905, 340, or 83 per cent of the number reporting, answered the inquiry "What were your total earnings for the year 1905?" The total amount of these earnings amounted to \$281,761, or an annual average for each person of \$828.70.

SAVINGS.

To the inquiry "Total amount of savings or permanent investment, inclusive of insurance," the report was as follows: Three hundred and fifteen wage earners, or 78 per cent of those responding to the inquiry, show the total amount of \$44,847, or an average per capita saving of \$142.37 for the year 1905.

LIFE INSURANCE.

The amount of life insurance carried by 314 persons, or 78 per cent of all those responding on the blanks furnished by this bureau, was \$677,636, or an average for each person of \$2,158.

FIRE INSURANCE.

Out of the 407 wage earners reporting to this department 181, or 44 per cent of the total number reporting, carry fire insurance on household goods and homes to the amount of \$195,100, or an average of \$1,077.90 for each one insured.

THE HOME.

Out of the 407 persons reporting to this department 81, or 20 per cent of that number, own their homes free from incumbrance with a total value of \$155,250, or an average value of \$1,916.66 for each home.

Eighty report equities to the amount of \$104,143 in property valued at \$191,690, or an average equity of \$1,301.79 and an average indebtedness of \$1,094.34 in homes valued at \$2,396.13 each.

WAGE EARNERS

Showing occupation, hours worked, wage rates, annual earnings, savings, in hours and

Marginal Number	Locality Where Employed	Working Hours Per Day	Wages		Total Earnings for Year	Total Savings for Past Year	Number Supported by Your Earnings	Sanitation where Em- ployed
			Rate	Per				
BAKERS.								
1	Creston	11	\$ 12.00	Week.	\$	\$	2	Good.
2	Keokuk	10	16.00	Week.			4	Good.
3	Ottumwa	13	12.00	Week.	800.00		2	Good.
BARBERS.								
4	Creston	11	\$ 12.00	Week.	\$	\$	3	Good.
5	Pt. Dodge	12	15.00	Week.	780.00		3	Good.
6	Pt. Dodge	12	12.00	Week.	600.00		3	Good.
7	Muscataine	11	*14.00	Week.			1	Good.
8	Ottumwa	13	12.00	Week.		100.00	2	Good.
9	Washington	14	15.00	Week.			3	Good.

*And 50 per cent of all taken in over \$20 per week.

BARTENDERS.

10	Des Moines		\$ 18.00	Week.	\$ 600.00	\$	2	Good.
11	Keokuk	9 1/2	12.50	Week.	600.00	None.	1	Good.
12	Keokuk	9	12.50	Week.	600.00		1	Good.
13	Ottumwa	9	12.50	Week.	600.00		1	Good.

BLACKSMITHS.

14	Des Moines	9	\$.29 1/2	Hour.	\$ 912.00	\$ 300.00	4	Good.
15	Des Moines	10	.18	Hour.	520.00	None.	3	Poor.
16	Oelwein	10	.22	Hour.	572.00	None.	2	Poor.
17	Oelwein	10	.20 1/2	Hour.	500.00	None.	2	Poor.
18	Ottumwa	9	2.25	Day.	600.00	None.	3	Good.
19	Ottumwa	9	2.00	Day.	500.00		3	Fair.
20	Sioux City	9	.34 1/2	Hour.	750.00	100.00	5	Fair.
21	*What Cheer	9	.16 2-3	Hour.	520.00	28.00	1	Good.

*Helper. †16 2-3.

BOILER MAKERS.

22	Carroll	9	\$.34	Hour.	\$ 1,100.00	\$ 231.00	2	Good.
23	*Marshalltown	9	.18	Hour.	500.00	150.00	2	Good.
24	Sioux City	9	.36	Hour.	1,000.00	400.00	4	Good.
25	Waterloo	10	.34	Hour.	1,270.00	85.00	4	Good.
26	Waterloo	10	.34	Hour.	950.00	150.00	3	Good.

*Boiler Maker Helper.

OF IOWA.

number in family, sanitary conditions, insurance, the home, and variation wages since 1905.

Amount of Insurance Carried		The Home			Variation in Hours and Wages Since 1905	Marginal Number
Life	Fire	Owned	Value of	Equity in		

BAKERS.

\$ 1,000	\$	No.	\$	\$	No change in wages	1
2,000		Yes.	1,300	Clear.	No change in wages	2
	500	No.			No change in wages	3

BARBERS.

\$ 1,000	\$ 300	No.			No change in wages	4
5,000	300	No.			No change in wages	5
	500	No.			No change in wages	6
		No.			No change in wages	7
2,000		No.			No change in wages	8
1,000	250	No.			No change in wages	9

BARTENDERS.

\$ 1,000	\$ 500	No.			Slight increase	10
1,000	1,000	No.			No change in wages	11
		No.			No change in wages	12
		No.			No change in wages	13

BLACKSMITHS.

\$ 1,000	\$ 950	Yes.	\$ 1,000	400	No change in wages	14
2,000	300	No.			No change in wages	15
		No.			Increased 15 cents per day	16
		No.			Increased 35 cents per day	17
1,900		No.			Decreased 25 cents per day	18
1,000	400	Yes.	1,100	600	Increased 25 cents per day	19
2,000	700	Yes.	800	Clear.	No change in wages	20
		No.			No change in wages	21

BOILER MAKERS.

\$	\$	No.	\$	\$	No change in wages	22
2,000		Yes.	1,000	700	Increased 10 cents per day	23
1,000	1,200	Yes.	1,300	123	No change in wages	24
1,000	500	No.			No change in wages	25
3,000		No.			No change in wages	26

WAGE EARNERS

Marginal Number	Locality Where Employed	Work- ing Hours Per Day	Wages		Total Savings for Year	Total Earnings for Past Year	Number Supported by Your Earnings	Sanita- tion Where Em- ployed
			Rate	Per				
BRAKEMEN.								
27	Belle Plaine.....	18	\$ 75.00	Month.	\$ 675.00	\$ 50.00	2	Good.
28	Belle Plaine.....	18	75.00	Month.	900.00	450.00	3	Good.
29	Belle Plaine.....	14	46.00	Month.	500.00	30.00	4	Good.
30	Boone.....	10	70.00	Month.	840.00	300.00	3	Good.
31	Boone.....	12	68.00	Month.	700.00	None.	2	Good.
32	Burlington.....	12	70.00	Month.	840.00	95.00	7	Good.
33	Burlington.....	12	64.50	Month.	780.00	None.	6	Good.
34	Burlington.....	10	65.00	Month.	840.00	None.	3	Good.
35	Cherokee.....	10	50.00	Month.	630.00	None.	4	Good.
36	Cherokee.....	12	45.00	Month.	500.00	None.	7	Good.
37	Clarion.....	12	70.00	Month.	840.00	135.00	3	Good.
38	Creston.....	14	65.00	Month.	780.00	None.	6	Good.
39	Creston.....	14	65.00	Month.	780.00	None.	6	Good.
40	Des Moines.....	10	85.00	Month.	1,050.00	None.	1	Good.
41	Fort Madison.....	12	85.00	Month.	1,100.00	300.00	2	Good.
42	Ottumwa.....	9	25.00	Month.	304.00	None.	1	Good.
43	Ottumwa.....	10	65.00	Month.	720.00	None.	2	Good.
44	Perry.....	75.00	Month.	900.00	None.	3	Good.	
45	Sioux City.....	15	60.00	Month.	720.00	135.00	4	Good.
46	Sioux City.....	11	65.00	Month.	770.00	None.	3	Good.
47	Valley Junction.....	13	70.00	Month.	840.00	None.	3	Good.
48	Valley Junction.....	10	75.00	Month.	900.00	250.00	1	Good.
49	Waterloo.....	11	70.00	Month.	828.00	300.00	2	Good.

BRICKLAYERS.

50	Council Bluffs.....	8	\$.62	Hour.	\$ 1,122.00	\$ 225.00	5	Good.
51	Des Moines.....	8	.65	Hour.	800.00	None.	4	Good.
52	Lyons.....	8	.55	Hour.	800.00	None.	4	Good.
53	Muscatine.....	8	.50	Hour.	800.00	None.	3	Good.

BROOM MAKERS.

54	Cedar Rapids.....	10	\$ 2.50	Day.	\$ 750.00	\$ 150.00	4	Poor.
55	Dubuque.....	10	2.50	Day.	None.	None.	4	Good.

BUTTON CUTTERS.

56	Muscatine.....	10	\$ 1.40	Day.	None.	None.	3	Good.
57	Muscatine.....	10	2.00	Day.	None.	None.	1	Good.
58	Muscatine.....	10	1.35	Day.	360.00	None.	4	Poor.

CARPENTERS.

59	Boone.....	9	\$ 2.50	Day.	None.	None.	5	Good.
60	Burlington.....	8	2.60	Day.	550.00	\$ 320.00	2	Good.
61	Clinton.....	9	2.80	Day.	675.00	75.00	4	Good.
62	Clinton.....	9	2.75	Day.	670.00	None.	5	Good.
63	Council Bluffs.....	8	2.80	Day.	737.00	120.00	4	Good.
64	Council Bluffs.....	8	3.60	Day.	None.	None.	6	Good.
65	Creston.....	9	2.50	Day.	850.00	None.	5	Good.
66	Davenport.....	9	2.70	Day.	735.00	None.	4	Good.
67	Davenport.....	8	2.50	Day.	None.	None.	5	Good.
68	Des Moines.....	8	3.00	Day.	100.00	None.	4	Good.
69	Dubuque.....	10	2.25	Day.	560.00	166.00	1	Good.
70	Dubuque.....	8	3.00	Day.	800.00	50.00	4	Good.

OF IOWA—CONTINUED.

Amount of Insurance Carried		The Home			Variation in Hours and Wages Since 1905	Marginal Number
Life	Fire	Owned	Value of	Equity in		
BRAKEMEN.						
\$ 1,430	\$	No.	\$	\$	No change in wages.	27
2,500	1,250	Yes.	1,750	800	No change in wages.	28
	600	Yes.	800	200	No change in wages.	29
1,500	1,100	Yes.	1,200	600	No change in wages.	30
1,250	1,500	Yes.	1,500	Clear.	No change in wages.	31
4,550	600	Yes.	2,350	1,115	No change in wages.	32
1,250		No.			No change in wages.	33
		No.			No change in wages.	34
5,000		No.	900	None.	No change in wages.	35
1,250		Yes.	800	Clear.	No change in wages.	36
1,250		No.			No change in wages.	37
2,550		No.			No change in wages.	38
	600	Yes.			No change in wages.	39
4,000	800	No.			15 per cent increase.	40
1,250		No.			No change in wages.	41
1,250		No.			No change in wages.	42
1,250		No.			No change in wages.	43
1,250		No.			No change in wages.	44
1,250	1,300	Yes.	1,600	Clear.	No change in wages.	45
1,250		No.			No change in wages.	46
1,250		No.			15 per cent increase.	47
2,550	700	Yes.	1,400	Clear.	No change in wages.	48
3,400	4,000	Yes.	5,200	3,000	No change in wages.	49

BRICKLAYERS.

\$	\$	Yes.	\$ 4,500	Clear.	No change in wages.	50
7,000	1,000	Yes.	5,000	1,200	6 per cent increase.	51
1,000	800	Yes.	800	400	Increased 10 cents per day.	52
1,000	2,500	Yes.	2,000	1,000	No change in wages.	53

BROOM MAKERS.

\$ 1,000	\$	No.			No change in wages.	54
1,000	400	No.			No change in wages.	55

BUTTON CUTTERS.

\$ 1,000	\$ 300	No.			Increased 25 cents per day.	56
		No.			Increased 30 cents per day.	57
1,000		No.			No change in wages.	58

CARPENTERS.

\$ 1,000	\$ 500	No.	\$	\$	No change in wages.	59
1,000	1,100	Yes.	1,500	700	Clear.	60
500		Yes.	700	Clear.	No change in wages.	61
1,500		No.			Increased 10 cents per day.	62
1,800	600	Yes.	600	300	No change in wages.	63
	200	No.			Increased 40 cents per day.	64
2,000	800	Yes.	1,500	Clear.	No change in wages.	65
4,000	400	No.			Increased 10 cents per day.	66
		No.	2,000	Clear.	Increased 25 cents per day.	67
	1,000	Yes.	2,400	2,000	No change in wages.	68
		No.			No change in wages.	69
1,000		No.			No change in wages.	70

WAGE EARNERS

Marginal Number	Locality Where Employed	Working Hours Per Day	Wages		Total Earnings for Year	Total Savings for Past Year	Number Supported by Your Earnings	Sanitation Where Employed
			Rate	Per				
CARPENTERS—CONTINUED.								
71	Keokuk	8	2.40	Day.			8	Good.
72	Muscatine	9	2.50	Day.	64.00		4	Good.
73	Muscatine	9	2.55	Day.			7	Good.
74	Mystic	8	2.00	Day.	425.00		4	Good.
75	Oskaloosa	9	2.70	Day.			4	Good.
76	Sioux City	10	2.75	Day.	836.00	72.00	5	Good.
77	Sioux City	9	3.00	Day.	700.00	80.00	6	Good.
78	Waterloo	9	2.75	Day.	700.00		1	Good.
79	Waterloo	10	3.00	Day.	750.00		2	Good.

CAR REPAIRERS.

80	Boone	10	\$ 1.50	Day.	\$ 530.00	\$ 100.00	2	Good.
81	Cherokee	10	65.00	Month.	780.00		3	Good.
82	Council Bluffs	10	1.80	Day.	580.00		3	Good.
83	Council Bluffs	10	2.00	Day.	684.00		5	Good.
84	Fort Dodge	10	55.00	Month.	680.00		5	Good.

CIGAR MAKERS.

85	Cedar Rapids	8	\$ 2.00	Day.	\$ 406.00	\$ 39.00	2	Fair.
86	Cedar Rapids	8	3.30	Day.			6	Good.
87	Davenport	8	2.00	Day.	600.00	300.00	3	Good.
88	Des Moines	8	1.80	Day.	500.00		3	Good.
89	Dubuque	8	2.50	Day.	750.00	None.	7	Good.
90	Dubuque	8	2.00	Day.	228.00	None.	4	Good.
91	Fairfield	8	3.50	Day.	780.00	485.00	1	Good.
92	Fort Dodge	8	1.95	Day.	484.00		1	Good.
93	Lyon	8	1.50	Day.	350.00	None.	1	Good.
94	Marshalltown	8	2.00	Day.		None.	1	Good.
95	Mount Pleasant	8	2.00	Day.			1	Good.
96	Oskaloosa	8	2.25	Day.	622.00	None.	4	Fair.
97	Sioux City	8	3.00	Day.	700.00		1	Good.
98	Sioux City	8	3.00	Day.	750.00	120.00	5	Good.

CLERKS, OFFICE.

99	Boone	8	\$		\$		4	Good.
100	Des Moines	8	83.33	Month.	1,000.00	300.00	4	Good.
101	Grinnell	9	58.50	Month.	700.00	350.00	1	Good.

CLERKS, POST OFFICE.

102	Council Bluffs	\$4	\$ 66.67	Month.	\$ 800.00	None.	2	Good.
103	Fort Dodge	\$4	66.67	Month.	800.00	None.	4	Good.
104	Fort Dodge	\$4	75.00	Month.	900.00	\$ 75.00	2	Good.
105	Marion	\$4	66.50	Month.	700.00	None.	1	Good.
106	Marion	\$4	50.00	Month.	600.00	None.	1	Good.
107	Mason City	\$4	66.67	Month.	800.00	300.00	1	Good.
108	Mason City	\$4	65.50	Month.	700.00	150.00	1	Good.
109	Ottumwa	\$4	75.00	Month.	900.00	100.00	1	Good.
110	Ottumwa	\$4	83.33	Month.	1,000.00	250.00	1	Good.
111	Waterloo	\$4	75.00	Month.	900.00	400.00	3	Good.

WAGE EARNERS

Marginal Number	Locality Where Employed	Working Hours Per Day	Wages		Total Earnings for Year	Total Savings for Past Year	Number Supported by Your Earnings	Sanitation Where Employed
			Rate	Per				

CARPENTERS—CONTINUED.

2,000	1,300	No.	2,000	1,300	No change in wages		71
	400	Yes.	1,300	700	No change in wages		72
		No.			No change in wages		73
		No.			No change in wages		74
2,600	750	No.			Increased 45 cents per day		75
		No.			No change in wages		76
		Yes.	1,000	400	3 1/2 per cent increase		77
		No.			No change in wages		78
1,600	1,300	Yes.	3,000	2,500	No change in wages		79

CAR REPAIRERS.

\$ 2,000	\$ 800	Yes.	\$ 1,000	\$ 500	No change in wages		80
	500	No.	1,300	100	No change in wages		81
		No.			Increased 1 cent per hour		82
	2,000	Yes.	2,000	Clear.	No change in wages		83
2,900	1,300	Yes.	1,300	Clear.	No change in wages		84

CIGAR MAKERS.

\$ 500	\$	No.	\$	\$	No change in wages		85
2,000	1,800	Yes.	2,500	Clear.	No change in wages		86
1,000	1,400	Yes.	1,500	Clear.	No change in wages		87
2,500	250	Yes.	700	Clear.	No change in wages		88
2,000	200	No.			No change in wages		89
1,000	500	No.			No change in wages		90
		No.			No change in wages		91
		No.			Slight increase		92
830		No.			No change in wages		93
		No.			No change in wages		94
		No.			No change in wages		95
4,000	600	No.			No change in wages		96
2,000		No.			No change in wages		97
		No.			No change in wages		98

CLERKS, OFFICE.

\$ 2,000	\$	Yes.	\$ 3,500	Clear.	No change in wages		99
2,000	1,300	Yes.	5,000	Clear.	No change in wages		100
		No.			No change in wages		101

CLERKS, POST OFFICE.

\$ 500	1,000	No.	\$ 3,000	\$ 1,000	No change in wages		102
2,000	2,500	Yes.	4,000	1,500	No change in wages		103
		No.			No change in wages		104
2,000		No.			No change in wages		105
1,000		No.			No change in wages		106
		No.			No change in wages		107
2,000		No.			Increased \$100 per year		108
1,000		No.			No change in wages		109
4,000		No.			No change in wages		110
3,000	1,500	Yes.	3,500	2,100	No change in wages		111

WAGE EARNERS

Marginal Number	Locality Where Employed	Working-Hours Per Day	Wages		Total Savings for Year	Total Earnings for Past Year	Number Supported by Your Earnings	Sanitation Where Employed
			Rate	Per				
CLERKS, RETAIL.								
112	*Clarion	12½	\$ 5.50	Week.	\$ 275.00	\$ 150.00	1	Good.
113	*Clarion	10	35.00	Month.	420.00		1	Good.
114	*Clarion	10	40.00	Month.	480.00	None.	1	Good.
115	Des Moines	9	21.00	Week.	230.00		3	Good.
116	Knoxville	11	140.00	Month.	607.00	330.00	1	Good.
117	Lisbon	14	41.66	Month.	560.00	100.00	5	Good.
118	Mason City	10	5.00	Week.	408.00	250.00	1	Good.
119	Muscatine	12	50.00	Month.	600.00	100.00	2	Good.
120	Muscatine	12	1.60	Day.	450.00	35.00	1	Good.
121	Ottumwa	9½	60.00	Month.	720.00		1	Good.

* Female clerks.
\$40.00 per month and commission on goods sold over certain amount.

CONDUCTORS, RAILWAY.

122	Belle Plaine	8	\$ 85.00	Month.	\$ 1,020.00	\$ 150.00	4	Good.
123	Belle Plaine	14	85.00	Month.	*860.00	290.00	7	Good.
124	Belle Plaine	10	85.00	Month.	450.00	500.00	3	Good.
125	Boone	13	103.00	Month.	1,200.00	365.00	3	Good.
126	Carroll	12	65.00	Month.	750.00	None.	6	Good.
127	Clinton	6	134.00	Month.	1,012.00	500.00	3	Good.
128	Clinton	12	110.00	Month.	1,327.00	350.00	5	Good.
129	Council Bluffs	10	125.00	Month.			2	Good.
130	Des Moines	12	115.00	Month.	1,400.00	600.00	2	Good.
131	Des Moines	10	105.00	Month.	1,250.00	500.00	4	Good.
132	Des Moines	13	85.00	Month.	1,020.00	300.00	5	Good.
133	Dubuque	10	105.00	Month.	1,230.00		2	Good.
134	Dubuque	10	90.00	Month.	1,000.00	225.00	3	Good.
135	Eagle Grove	10	90.00	Month.		400.00	3	Good.
136	Eagle Grove	10	100.00	Month.	1,500.00	500.00	3	Good.
137	Eagle Grove	10	102.00	Month.	1,200.00		2	Good.
138	Eagle Grove	6	134.00	Month.			5	Good.
139	Etherville	14	115.00	Month.	1,400.00	None.	8	Good.
140	Marion	10	75.00	Month.	750.00	100.00	3	Good.
141	Mason City	11	112.00	Month.	1,500.00	400.00	3	Good.
142	Ferry	11	124.00	Month.	1,400.00	700.00	4	Good.
143	Sioux City	15	96.00	Month.	1,000.00	400.00	5	Good.

* Laid off two months.

COOPERS.

144	Cedar Rapids	10	\$ 1.75	Day.	\$ 475.00	None.	3	Good.
145	Ottumwa	10	2.75	Day.		None.	3	Good.
146	Ottumwa	8	2.50	Day.	450.00	None.	3	Good.
147	Ottumwa	10	2.50	Day.	713.00	None.	5	Good.

ENGINEERS, RAILWAY.

148	Burlington	11	\$ 80.00	Month.		None.	2	Good.
149	Boone	14	80.00	Month.		None.	4	Good.
150	Belle Plaine	12	95.00	Month.	\$ 1,045.00	\$ 400.00	3	Good.
151	Belle Plaine	9½	80.00	Month.	960.00	200.00	3	Good.
152	Belle Plaine	14	110.00	Month.	1,500.00	300.00	3	Good.
153	Clinton	15	116.00	Month.	1,400.00		7	Good.
154	Centerville	14	125.00	Month.	1,500.00	None.	6	Good.
155	Centerville	14	90.00	Month.	1,100.00	290.00	7	Good.
156	*Clarion	12	135.00	Month.	1,560.00		8	Good.
157	Clinton	8	130.00	Month.	1,560.00	350.00	6	Good.
158	Council Bluffs	10	158.00	Month.	1,880.00	775.00	3	Good.
159	*Des Moines	12	56.00	Month.	600.00		3	Good.

OF IOWA—CONTINUED.

Amount of Insurance Carried		The Home			Variation in Hours and Wages Since 1905	Marginal Number
Life	Fire	Owned	Value of	Equity in		
CLERKS, RETAIL.						
\$	\$	No.			No change in wages.	113
		No.			No change in wages.	113
1,000		No.			No change in wages.	114
2,500	1,500	Yes.	\$ 1,200	Clear.	No change in wages.	115
		No.			25 per cent increase, by commission.	116
2,400	1,900	Yes.	2,200	250	No change in wages.	117
1,000		No.			No change in wages.	117
2,900		No.			No change in wages.	118
		No.			Increased 25 cents per day.	119
3,000		No.			No change in wages.	120

CONDUCTORS, RAILWAY.

\$ 3,850	\$ 1,500	Yes.	\$ 1,800	Clear.	No change in wages	122
3,000	600	Yes.	800	\$ 300	No change in wages	123
3,000	2,000	Yes.	3,500	Clear.	No change in wages	124
1,000	No.	Yes.	2,000	Clear.	No change in wages	125
1,350	No.	No.			No change in wages	126
3,500	1,200	Yes.	2,500	1,500	No change in wages	127
3,000	500	No.			No change in wages	128
1,000	400	No.			No change in wages	129
3,000	No.	No.			15 per cent increase.	130
2,000	1,800	Yes.	3,000	2,300	No change in wages	131
2,000	600	No.			No change in wages	132
2,000	No.	No.			15 cents per 10 miles increase.	133
2,650	No.	No.			No change in wages	134
1,350	1,500	Yes.	1,500	Clear.	No change in wages	135
1,000	2,000	Yes.	2,200	Clear.	No change in wages	136
2,000	600	No.			No change in wages	137
2,000	2,000	Yes.	3,000	Clear.	No change in wages	138
3,000	600	No.			15 cents per 10 miles increase.	139
800	800	Yes.	1,000	400	No change in wages	140
2,000	1,200	Yes.	3,000	2,500	Increased 15 cents per 100 miles.	141
1,350	800	Yes.	1,000	Clear.	No change in wages	142
1,000	Yes.	1,800	Clear.		No change in wages	143

COOPERS.

\$ 2,200	\$ 700	No.			No change in wages	144
		Yes.	\$ 1,000	\$ 300	No change in wages	145
700	No.	No.			No change in wages	146
		No.			No change in wages	147

ENGINEERS, RAILWAY.

\$ 3,850	\$ 1,000	Yes.	\$ 2,500	\$ 1,000	No change in wages	148
3,500	1,450	Yes.	1,800	Clear.	No change in wages	149
1,000	1,200	Yes.	1,250	Clear.	No change in wages	150
1,000	650	Yes.	1,400	Clear.	No change in wages	151
3,500	1,000	Yes.	2,500	Clear.	No change in wages	152
3,000	1,600	Yes.	2,500	Clear.	Slight increase.	153
3,000	500	No.	2,000	Clear.	No change in wages	154
1,850	No.	No.			No change in wages	155
3,750	No.	No.			No change in wages	156
2,900	1,400	Yes.	2,400	1,200	No change in wages	157
2,500	2,400	Yes.	3,500	Clear.	No change in wages	158
	500	No.			No change in wages	159

OF IOWA—CONTINUED.

Amount of Insurance Carried		The Home			Variation in Hours and Wages Since 1905		Marginal Number
Life	Fire	Owned	Value of	Equity in			

ENGINEERS, RAILWAY—CONTINUED.

160	Des Moines	14	90.00	Month.	1,080.00		2	Good.
161	Estherville	13	80.00	Month.	1,047.00		5	Good.
162	Estherville	10	40.00	Month.	800.00	None.	4	Good.
163	Estherville	10	125.00	Month.	1,500.00	200.00	5	Good.
164	Fort Dodge	10	125.00	Month.	1,500.00		3	Good.
165	Fort Madison	8	120.00	Month.	1,440.00	200.00	5	Good.
166	Fort Madison	11	125.00	Month.	1,500.00	250.00	4	Good.
167	Fort Madison	8	125.00	Month.	1,500.00		5	Good.
168	Fort Madison	9	120.00	Month.	1,400.00	200.00	2	Good.
169	Marshalltown	12	125.00	Month.	1,500.00	300.00	6	Good.
170	Oskaloosa	12						Good.
171	Ottumwa	12	110.00	Month.	1,320.00	321.00	3	Good.
172	Perry	12	140.00	Month.	1,680.00	265.00	5	Good.
173	Perry	11	110.00	Month.	1,320.00	190.00	8	Good.
174	Perry	10	110.00	Month.	1,320.00		7	Good.
175	Perry	10	120.00	Month.	1,440.00	700.00	1	Good.
176	Perry	12	110.00	Month.	1,320.00	300.00	4	Good.
177	Sioux City	12	137.00	Month.	1,644.00	300.00	2	Good.
178	Sioux City	12	100.00	Month.	1,200.00	200.00	3	Good.
179	Sioux City	9	130.00	Month.	1,560.00		4	Good.
180	Sioux City	14	140.00	Month.	1,675.00	700.00	4	Good.
181	Sioux City	14	120.00	Month.	1,500.00		3	Good.
182	Sioux City	12					3	Good.
183	Stuart	15	125.00	Month.	1,824.00		6	Good.
184	Sioux City	11	147.00	Month.	1,765.00		3	Good.
185	Sioux City	5	125.00	Month.			2	Good.
186	Sioux City	10	90.00	Month.	1,050.00		4	Good.
187	Valley Junction	13	\$125.00	Month.	\$1,500.00	\$ 720.00	2	Good.
188	Valley Junction	12	65.00	Month.	780.00	300.00	2	Good.
189	Valley Junction	10	125.00	Month.	1,500.00	720.00	2	Good.
190	Waterloo	12	140.00	Month.		450.00	1	Good.

* Extra engineers.

FACTORY HANDS.

191	Cedar Rapids	10	\$ 12.00	Week.	\$ 728.00	None.	1	Good.
192	Clinton	11	14.00	Week.		None.	3	Good.
193	Dubuque	9	12.00	Week.	650.00	None.	3	Good.
194	Keokuk	10	15.50	Week.	620.00	\$ 104.00	2	Good.
195	Keokuk	10	12.00	Week.	500.00	None.	4	Fair.
196	Monticello	10	3.60	Week.	156.00	None.	1	Poor.
197	Ottumwa	9	10.00	Week.	620.00	None.	7	Good.
198	Sioux City	9	18.00	Week.	900.00	None.	4	Good.

* Female.

FIREMEN, RAILWAY.

199	Belle Plaine	12				None.	2	Good.
200	Belle Plaine	11	\$ 75.00	Month.	\$ 840.00	None.	2	Good.
201	Belle Plaine	12	50.00	Month.	600.00	None.	4	Good.
202	Boone	12	70.00	Month.	840.00	None.	1	Good.
203	Carroll	10	85.00	Month.	960.00	\$ 385.00	3	Good.
204	Carroll	14	75.00	Month.	900.00	None.	5	Good.
205	Carroll	13	65.00	Month.	780.00		5	Good.
206	Cedar Rapids	10	75.00	Month.	900.00	125.00	3	Good.
207	Centerville	11	60.00	Month.	720.00		4	Good.
208	Clarion	10	85.00	Month.	1,020.00	300.00	1	Good.
209	Council Bluffs	12	94.00	Month.	1,128.00	371.00	2	Good.
210	Dubuque	16	60.00	Month.	720.00	125.00	2	Good.
211	Mason City	10	85.00	Month.	1,020.00	300.00	5	Good.

OF IOWA—CONTINUED.

Amount of Insurance Carried		The Home			Variation in Hours and Wages Since 1905		Marginal Number
Life	Fire	Owned	Value of	Equity in			

ENGINEERS, RAILWAY—CONTINUED.

4,000		Yes.	2,900	1,000	No change in wages.		180
2,500	1,500	Yes.	4,300	4,000	No change in wages.		161
4,000		No.			No change in wages.		162
2,500	2,000	Yes.	2,900	Clear.	No change in wages.		163
1,800		No.			No change in wages.		164
3,000	2,500	Yes.	3,000	Clear.	No change in wages.		165
3,000	1,800	Yes.	3,000	2,500	No change in wages.		166
5,000		Yes.	2,500		No change in wages.		167
7,000	600	No.			No change in wages.		168
3,500	1,500	Yes.	2,300	Clear.	No change in wages.		169
4,000	3,000	Yes.	2,500	Clear.	No change in wages.		170
9,500	3,000	Yes.	5,500	Clear.	No change in wages.		171
5,000	1,000	Yes.	1,400	Clear.	No change in wages.		172
3,500	1,500	Yes.	1,600	Clear.	No change in wages.		173
3,200		No.			No change in wages.		174
1,300	Yes.	1,800	400		No change in wages.		175
3,000	2,700	Yes.	2,500	Clear.	No change in wages.		176
		Yes.	2,000		No change in wages.		177
		Yes.	4,000	2,000	No change in wages.		178
5,000	3,000	Yes.	5,000	1,100	No change in wages.		180
3,000	2,400	Yes.	2,500	Clear.	No change in wages.		181
		No.			No change in wages.		182
2,700		Yes.	7,500	6,200	No change in wages.		183
5,000	800	Yes.	3,000	2,250	No change in wages.		184
3,500		Yes.	6,500	Clear.	No change in wages.		185
3,500	2,750	Yes.	2,500	2,000	No change in wages.		186
\$ 3,500	\$ 1,000	Yes.	\$ 1,500	Clear.	No change in wages.		187
2,000		No.			No change in wages.		188
3,500	1,600	Yes.	1,600	Clear.	No change in wages.		189
		No.			No change in wages.		190

FACTORY HANDS.

\$ 1,000	\$ 500	Yes.	\$ 2,400	\$ 1,400	No change in wages.		191
1,000	500	No.			No change in wages.		192
1,000	250	No.			Increased \$1.00 per week.		193
1,500	1,500	Yes.	\$ 1,500	Clear.	No change in wages.		194
2,000		No.			No change in wages.		195
		No.			Increased 7 cents per day.		196
2,000	500	No.			No change in wages.		197
\$ 3,500	800	No.			No change in wages.		198

FIREMEN, RAILWAY.

\$ 1,500		No.			No change in wages.		199
1,500		No.			No change in wages.		200
1,000		No.			No change in wages.		201
1,500		No.			10 per cent increase.		202
2,500	\$ 300	No.			No change in wages.		203
1,700		No.			No change in wages.		204
3,000	800	No.			No change in wages.		205
2,000	800	Yes.	\$ 1,500	\$ 600	No change in wages.		206
2,500		No.			No change in wages.		207
4,000		No.			No change in wages.		208
1,500	500	No.			No change in wages.		209
3,000		No.			No change in wages.		210
4,000	1,200	Yes.	3,000	Clear.	No change in wages.		211

WAGE EARNERS

OF IOWA—CONTINUED.

Marginal Number	Locality Where Employed	Working Hours Per Day	Wages		Total Earnings for Year	Total Savings for Past Year	Number Supported by Year Earnings	Sanitation Where Employed
			Rate	Per				
FIREMEN, RAILWAY—CONTINUED.								
212	Mason City	12	\$6.00	Month.	\$60.00		2	Good.
213	Ottumwa	14	7.00	Month.	84.00	250.00	1	Good.
214	Ottumwa	12	90.00	Month.	1,080.00		2	Good.
215	Ottumwa	11	90.00	Month.	840.00	250.00	1	Good.
216	Perry	10	80.00	Month.	800.00		3	Good.
217	Sanborn	12	85.00	Month.	1,020.00		1	Good.
218	Sanborn	10	69.00	Month.	845.00	350.00	4	Good.
219	Sanborn	11	74.00	Month.	814.00	30.00	1	Good.
220	Sioux City	12	70.00	Month.	840.00		1	Good.
221	Valley Junction	11	74.00	Month.	814.00		1	Good.
222	Waterloo	15	70.00	Month.	850.00	80.00	5	Good.

HARNES MAKERS.

223	Boone	10	\$ 2.25	Day.			2	Fair.
224	Davenport	8	2.75	Day.	\$ 800.00		4	Good.
225	Des Moines	10	2.25	Day.	\$ 225.00	\$ 150.00	4	Fair.
226	Des Moines	10	2.00	Day.	904.00	None.	3	Poor.

LAUNDRY WORKERS.

227	Des Moines	10	\$ 15.00	Week.	\$ 625.00		8	Fair.
228	Des Moines	10	20.00	Week.			5	Good.

LETTER CARRIERS.

229	Des Moines	8	\$ 83.33	Month.	\$ 1,000.00	\$ 100.00	6	Good.
230	Dubuque	8	70.83	Month.	840.00	None.	7	Good.
231	Dubuque	8	70.83	Month.	840.00	None.	2	Good.
232	Centerville	8	70.83	Month.	840.00	None.	7	Good.
233	Cherokee	8	70.83	Month.	840.00	None.	2	Good.
234	Iowa City	8	70.83	Month.	840.00	None.	7	Good.
235	Marion	8	70.83	Month.	840.00	None.	1	Good.
236	Marion	8	70.83	Month.	840.00	None.	7	Good.
237	Muscatine	8	70.83	Month.	840.00	None.	1	Good.
238	Sioux City	8	70.83	Month.	840.00	None.	6	Good.
239	Sioux City	8	70.83	Month.	840.00	None.	5	Good.
240	Waterloo	8	70.83	Month.	840.00	None.	1	Good.
241	Webster City	8	70.83	Month.	840.00	None.	1	Good.
242	Webster City	8	70.83	Month.	840.00	128.00	2	Good.

LINOTYPE OPERATORS.

243	Burlington	8	\$ 19.00	Week.	\$ 800.00	None.	4	Good.
244	Sioux City	8	20.50	Week.	1,100.00	None.	1	Fair.

MACHINISTS.

245	Davenport	10	\$.321	Hour.	\$ 942.00	\$ 125.00	8	Fair.
246	Davenport	8	.28	Hour.	804.00	221.00	3	Good.
247	Des Moines	10	.31	Hour.	840.00		3	Good.
248	*Eldon	10	.174	Hour.	551.00	200.00	3	Good.
249	Muscatine	10	.30	Hour.	900.00	300.00	1	Good.
250	Ottumwa	9	.324	Hour.	1,092.00	450.00	2	Good.
251	Sioux City	10	.34	Hour.	785.00	430.00	4	Good.
252	Valley Junction	10	.34	Hour.	785.00	430.00	2	Good.
253	*Waterloo	10	.174	Hour.	551.00	None.	4	Good.

* Helper's wages.

Amount of Insurance Carried		The Home			Variation in Hours and Wages since 1905	Marginal Number
Life	Fire	Owned	Value of	Equity in		
FIREMEN, RAILWAY—CONTINUED.						
2,700		Yes.	2,500	Clear.	No change in wages.	212
2,000		No.			No change in wages.	213
2,500	1,300	Yes.	1,800	Clear.	Slight increase.	214
2,000		No.			No change in wages.	215
2,000		No.			No change in wages.	216
2,000		No.			No change in wages.	217
1,000		Yes.	600	Clear.	No change in wages.	218
1,000		No.			No change in wages.	219
1,500		Yes.	1,000	300	3 per cent increase for some.	220
1,500		No.			No change in wages.	221
1,500		No.			No change in wages.	222

FIREMEN, RAILWAY—CONTINUED.

2,700		Yes.	2,500	Clear.	No change in wages.	212
2,000		No.			No change in wages.	213
2,500	1,300	Yes.	1,800	Clear.	Slight increase.	214
2,000		No.			No change in wages.	215
2,000		No.			No change in wages.	216
2,000		No.			No change in wages.	217
1,000		Yes.	600	Clear.	No change in wages.	218
600		No.			No change in wages.	219
1,500		Yes.	1,000	300	3 per cent increase for some.	220
1,500		No.			No change in wages.	221
1,500		No.			No change in wages.	222

HARNES MAKERS.

2,700		Yes.	2,500	Clear.	No change in wages.	212
2,000		No.			No change in wages.	213
2,500	1,300	Yes.	1,800	Clear.	Slight increase.	214
2,000		No.			No change in wages.	215
2,000		No.			No change in wages.	216
2,000		No.			No change in wages.	217
1,000		Yes.	600	Clear.	No change in wages.	218
600		No.			No change in wages.	219
1,500		Yes.	1,000	300	3 per cent increase for some.	220
1,500		No.			No change in wages.	221
1,500		No.			No change in wages.	222

LAUNDRY WORKERS.

2,700		Yes.	2,500	Clear.	No change in wages.	212
2,000		No.			No change in wages.	213
2,500	1,300	Yes.	1,800	Clear.	Slight increase.	214
2,000		No.			No change in wages.	215
2,000		No.			No change in wages.	216
2,000		No.			No change in wages.	217
1,000		Yes.	600	Clear.	No change in wages.	218
600		No.			No change in wages.	219
1,500		Yes.	1,000	300	3 per cent increase for some.	220
1,500		No.			No change in wages.	221
1,500		No.			No change in wages.	222

LETTER CARRIERS.

2,700		Yes.	2,500	Clear.	No change in wages.	212
2,000		No.			No change in wages.	213
2,500	1,300	Yes.	1,800	Clear.	Slight increase.	214
2,000		No.			No change in wages.	215
2,000		No.			No change in wages.	216
2,000		No.			No change in wages.	217
1,000		Yes.	600	Clear.	No change in wages.	218
600		No.			No change in wages.	219
1,500		Yes.	1,000	300	3 per cent increase for some.	220
1,500		No.			No change in wages.	221
1,500		No.			No change in wages.	222

LINOTYPE OPERATORS.

2,700		Yes.	2,500	Clear.	No change in wages.	212
2,000		No.			No change in wages.	213
2,500	1,300	Yes.	1,800	Clear.	Slight increase.	214
2,000		No.			No change in wages.	215
2,000		No.			No change in wages.	216
2,000		No.			No change in wages.	217
1,000		Yes.	600	Clear.	No change in wages.	218
600		No.			No change in wages.	219
1,500		Yes.	1,000	300	3 per cent increase for some.	220
1,500		No.			No change in wages.	221
1,500		No.			No change in wages.	222

MACHINISTS.

2,700		Yes.	2,500	Clear.	No change in wages.	212
2,000		No.			No change in wages.	213
2,500	1,300	Yes.	1,800	Clear.	Slight increase.	214
2,000		No.			No change in wages.	215
2,000		No.			No change in wages.	216
2,000		No.			No change in wages.	217
1,000		Yes.	600	Clear.	No change in wages.	218
600		No.			No change in wages.	219
1,500		Yes.	1,000	300	3 per cent increase for some.	220
1,500		No.			No change in wages.	221
1,500		No.			No change in wages.	222

WAGE EARNERS

Marginal Number	Locality Where Employed	Working Hours Per Day	Wages		Total Earnings for Year	Total Savings for Past Year	Number Supported by Your Earnings	Sanitation Where Employed
			Rate	Per				
METAL WORKERS.								
254	Cedar Rapids	9	\$ 3.15	Day.	\$ 600.00		2	Good.
255	Des Moines	9	2.50	Day.	600.00		2	Poor.
256	Council Bluffs	8	2.80	Day.		None.	2	Good.
257	Cedar Rapids	9	3.15	Day.	780.00	\$ 275.00	3	Fair.
258	Osceola	10	2.25	Day.	648.00	None.	3	Good.
259	Ottumwa	9	2.00	Day.	550.00	None.	3	Good.

MINE WORKERS.

260	Beacon	8	2.50	Day.		None.	3	Fair.
261	Centerville	8				None.	3	Good.
262	Centerville	8	2.00	Day.	\$ 601.00	\$ 250.00	3	Good.
263	Des Moines	10	2.00	Day.	600.00	None.	3	Good.
264	Flagler	8	2.56	Day.	500.00		6	Fair.
265	Jerome	8	4.00	Day.	711.00	300.00	6	Good.
266	Lehigh	8	3.00	Day.	500.00	None.	10	Good.
267	Numa	8	1.75	Day.	305.00		9	Fair.
268	Seymour	8	2.09	Day.	534.00	70.00	9	Good.
269	Valley Junction	8	3.00	Day.	498.00	None.	5	Fair.

MOLDERS, IRON.

270	Burlington	10	\$.30	Hour.	\$ 700.00	\$ 100.00	4	Fair.
271	Burlington	10	2.75	Day.			2	Good.
272	Des Moines	9	3.00	Day.			3	Good.
273	Keokuk	9	2.75	Day.	715.00		2	Good.
274	Ottumwa	10	3.50	Day.	900.00	150.00	3	Fair.

MUSICIANS.

275	Des Moines		\$ 20.00	Week.	\$ 1,000.00		3	Good.
276	Des Moines		3.50	Day.	95.00	\$ 100.00	2	Good.
277	Marshalltown		3.00	Day.	1,065.00	200.00	4	Good.

PAINTERS AND PAPERHANGERS.

278	Davenport	10	\$ 2.20	Day.	\$ 672.00	None.	3	Good.
279	Cedar Rapids	9	3.00	Day.	669.00	None.	4	Good.
280	Clinton	9	2.75	Day.	650.00	None.	11	Good.
281	Indiana	10	2.50	Day.			2	Good.
282	Lyons	9	2.50	Day.	603.00	\$ 83.00	5	Good.
283	Osceola	9	3.00	Day.	680.00	150.00	2	Good.
284	Oskaloosa	9	2.50	Day.	550.00		1	Good.
285	Sioux City	8	3.00	Day.			2	Good.
286	Sioux City	8	3.00	Day.			3	Good.

PLUMBERS.

287	Council Bluffs	8	\$ 4.50	Day.	\$ 1,000.00		6	Good.
288	Council Bluffs	8	4.50	Day.			1	Good.
289	Council Bluffs	8	4.50	Day.	800.00	None.	1	Good.
290	Council Bluffs	8	4.50	Day.	1,150.00	\$ 500.00	1	Good.
291	Des Moines	8	4.00	Day.	1,000.00	None.	2	Good.
292	Dubuque	8	3.50	Day.	925.00	100.00	3	Fair.
293	Sioux City	8	4.00	Day.		None.	3	Fair.

OF IOWA—CONTINUED.

Amount of Insurance Carried		The Home			Variation in Hours and Wages Since 1905	Marginal Number
Life	Fire	Owned	Value of	Equity in		

METAL WORKERS.

\$ 3,400		No.			No change in wages	254
1,000	\$ 550	No.			No change in wages	255
2,000	1,000	Yes.	\$ 2,000	Clear.	Increased 1 cent per hour	256
1,000		No.			No change in wages	257
3,000	1,100	Yes.	1,200	\$ 800	No change in wages	258

MINE WORKERS.

	\$ 1,000	Yes.	\$ 1,500	Clear.	No change in wages	260
	550	Yes.	1,500	\$ 550	No change in wages	261
	800	Yes.	1,500	750	Slight increase	262
\$ 1,300	1,400	Yes.	1,600	700	No change in wages	263
	300	Yes.	200	Clear.	Slight increase	264
300	3,750	Yes.	2,000	Clear.	No change in wages	265
		No.			No change in wages	266
		No.			No change in wages	267
	700	Yes.		Clear.	No change in wages	268
		No.			No change in wages	269

MOLDERS, IRON.

\$ 4,000	\$ 1,150	Yes.	\$ 1,500	\$ 800	Increased 10 cents per day	270
2,000		No.			No change in wages	271
		No.			No change in wages	272
	1,600	Yes.	750	Clear.	No change in wages	273
1,000	500	No.			Increased 50 cents per day	274

MUSICIANS.

\$ 2,000	\$ 1,000	No.			Slight increase in wages	275
2,000	500	No.			No change in wages	276
500	1,000	Yes.	\$ 3,000	\$ 2,000	No change in wages	277

PAINTERS AND PAPERHANGERS.

\$ 2,000		No.			Increased 50 cents per day	278
1,000		No.			No change in wages	279
2,000	1,000	Yes.	\$ 1,500	Clear.	No change in wages	280
1,200	1,000	Yes.	1,500	\$ 850	No change in wages	281
	1,800	Yes.	1,800	1,500	No change in wages	282
		No.			No change in wages	283
		No.			No change in wages	284
		No.			No change in wages	285
		No.			No change in wages	286

PLUMBERS.

\$ 3,000	\$ 1,000	Yes.	\$ 1,000	\$ 400	Increased 50 cents per day	287
	1,000	No.	3,000	Clear.	Increased 50 cents per day	288
		Yes.	3,000	Clear.	Increased 50 cents per day	289
1,000		Yes.	3,000	Clear.	Increased 50 cents per day	290
2,000	500	No.			Increased 50 cents per day	291
1,000	800	No.			Increased 50 cents per day	292
3,000	700	No.			No change in wages	293

WAGE EARNERS

Marginal Number	Locality Where Employed	Working Hours Per Day	Wages		Total Earnings for Year	Total Savings for Past Year	Number Supported by Your Earnings	Sanitation Where Employed
			Rate	Per				
PRESSMEN.								
294	Des Moines.....	9	\$ 12.00	Week.	\$ 800.00		4	Good.
295	Sioux City.....	8½	15.00	Week.		\$ 75.00	2	Good.
296	Waterloo.....	9	11.00	Week.	550.00	90.00	1	Good.

PRINTERS.

297	Burlington	8	\$ 14.00	Week.	*\$ 225.00	None.	3	Fair.
298	Des Moines	8	22.50	Week.		None.	5	Good.
299	Des Moines	8	22.00	Week.	1,144.00	None.	3	Good.
300	Port Dodge	8	18.00	Week.	400.00		1	Good.
301	Sioux City	8	20.50	Week.	1,100.00		3	Good.
302	Sioux City	8	20.50	Week.	1,060.00	None.	5	Good.

* Laid off six months by sickness. † Laid up three months by sickness.

STATION AGENTS AND BAGGAGEMEN.

303	Aurelia	12	\$ 50.00	Month.	*\$ 450.00	\$ 250.00	2	Good.
304	Belle Plaine	11	45.00	Month.	795.00	200.00	3	Good.
305	Belle Plaine	11	75.00	Month.	875.00	None.	7	Good.
306	Cherokee	10	95.00	Month.	1,100.00	None.	4	Good.
307	Cherokee	12	115.00	Month.	1,380.00	None.	1	Good.
308	Eagle Grove	12	80.00	Month.	960.00	None.	3	Good.
309	LeMars	10	90.00	Month.	1,080.00	180.00	2	Good.
310	Merrill	12	60.00	Month.			3	Good.
311	Storm Lake	10	60.00	Month.		None.	1	Good.

* Took three months' vacation.

SWITCHMEN, RAILWAY.

312	Council Bluffs	10	\$ 28	Hour.	\$ 900.00	\$ 300.00	1	Good.
313	Shenandoah	11	28	Hour.	890.00	200.00	7	Good.
314	Tama	11	56.00	Month.	672.00	None.	6	Good.

TAILORS.

315	Boone	10	\$ 2.00	Day.	\$ 450.00	None.	7	Good.
316	Council Bluffs	10	18.00	Week.			4	Good.
317	Keokuk	10	2.00	Day.	450.00	None.	1	Good.
318	Waterloo	8	2.40	Day.	590.00	None.	4	Good.
319	Waterloo	10	2.50	Day.	625.00	None.	4	Good.

TEAMSTERS.

320	Dubuque	10	\$ 11.00	Week.	\$ 550.00	None.	7	Good.
321	Sioux City	11	12.00	Week.	550.00	\$ 300.00	6	Good.

OF IOWA—CONTINUED.

Amount of Insurance Carried		The Home			Variation in Hours and Wages Since 1905	Marginal Number
Life	Fire	Owned	Value of	Equity in		
PRESSMEN.						
			No.		No change in wages	294
\$ 1,000	\$ 600	No.			No change in wages	295
		No.			Increased \$1.00 per week	296

PRINTERS.

\$ 1,600		Yes.	\$ 700	Clear.	No change in wages	297
1,000	600	No.			Increased 40 cents per day	299
5,000	500	No.			Increased 30 cents per day	299
		No.			Increased 50 cents per day	300
		No.			No change in wages	301
2,000	700	No.			No change in wages	302

STATION AGENTS AND BAGGAGEMEN.

\$ 2,000		No.			No change in wages	303
	\$ 1,200	Yes.	\$ 1,500	Clear.	No change in wages	304
	700	Yes.	1,150	Clear.	No change in wages	305
1,000	500	No.			No change in wages	306
		No.			No change in wages	307
2,500	2,500	No.	3,500	2,500	No change in wages	308
1,000		No.			Increased \$10.00 per month	309
		Yes.	9,000	1,300	Slight increase	310
9,000		Yes.			No change in wages	311

SWITCHMEN, RAILWAY.

\$ 1,800		No.			No change in wages	312
2,000		Yes.	\$ 800	Clear.	No change in wages	314
		Yes.	7,000	2,000		

TAILORS.

\$ 500		No.			No change in wages	315
2,000	\$ 1,200	Yes.	\$ 1,800	1,500	No change in wages	316
		Yes.	2,000	450	No change in wages	317
4,000	4,000	Yes.	4,800	3,000	No change in wages	318
500	900	Yes.	1,800	Clear.	Slight increase	319

TEAMSTERS.

\$ 2,000	\$ 1,700	Yes.	\$ 2,500	\$ 2,050	No change in wages	320
2,000		Yes.	2,000	7,000	Increased 25 cents per day	321

WAGE EARNERS

Marginal Number	Locality Where Employed	Working Hours Per Day	Wages		Total Earnings for Year	Total Savings for Past Year	Number Supported by Year Earnings	Sanitation Where Employed
			Rate	Per				

TELEGRAPHERS.

322	Alden	10	\$5.00	Month.	\$ 660.00	\$ 300.00	1	Good.
323	Alta	12	60.00	Month.	720.00	None.	4	Good.
324	Alta	12	25.50	Month.	672.00	None.	1	Good.
325	Aplington	12	52.50	Month.	691.00	None.	2	Good.
326	Archer	12	50.00	Month.	630.00	None.	3	Good.
327	Arion	12	55.00	Month.	660.00	125.00	4	Good.
328	Aurelia	13	60.00	Month.	720.00	None.	4	Good.
329	Austinville	12	50.00	Month.	600.00	None.	4	Good.
330	Calumet	12	45.00	Month.	540.00	200.00	2	Good.
331	Central City	12	47.50	Month.	800.00	350.00	2	Good.
332	Charles City	12	57.50	Month.	693.00	None.	3	Good.
333	Corringtonville	12	60.00	Month.	720.00	None.	4	Good.
334	Denison	12	82.50	Month.	990.00	500.00	3	Good.
335	Dubuque	10	75.00	Month.	750.00	150.00	1	Good.
336	Dubuque	12	70.00	Month.	600.00	288.00	2	Good.
337	Dubuque	12	59.00	Month.	600.00	178.00	4	Good.
338	Dubuque	12	55.00	Month.	660.00	300.00	6	Good.
339	Dubuque	12	55.00	Month.	660.00	100.00	2	Good.
340	Ellis	12	47.50	Month.	690.00	None.	3	Good.
341	Fonda	10	80.00	Month.	800.00	None.	2	Good.
342	Fonda	10	60.00	Month.	720.00	150.00	2	Good.
343	Fort Dodge	12	65.00	Month.	780.00	None.	1	Good.
344	George	12	52.50	Month.	735.00	300.00	6	Good.
345	Grable	12	57.50	Month.	690.00	None.	4	Good.
346	Highview	12	48.50	Month.	258.00	250.00	4	Good.
347	Hinton	12	52.50	Month.	630.00	225.00	4	Good.
348	Independence	12	57.50	Month.	690.00	None.	1	Good.
349	James	12	60.00	Month.	720.00	None.	2	Good.
350	Janeville	12	61.00	Month.	672.00	250.00	2	Good.
351	Judd	12	47.50	Month.	570.00	200.00	1	Good.
352	Julien	12	55.00	Month.	660.00	None.	2	Good.
353	Leoda	12	62.50	Month.	750.00	85.00	2	Good.
354	Logan	12	80.00	Month.	960.00	None.	4	Good.
355	Macy	12	47.50	Month.	570.00	200.00	1	Good.
356	Manchester	12	60.00	Month.	720.00	300.00	1	Good.
357	Manson	12	80.00	Month.	960.00	300.00	3	Good.
358	Masonville	12	65.00	Month.	690.00	None.	4	Good.
359	Mattock	12	47.50	Month.	570.00	None.	4	Good.
360	Meriden	12	47.50	Month.	570.00	None.	4	Good.
361	Merrill	14	50.00	Month.	700.00	50.00	4	Good.
362	Newell	12	62.50	Month.	630.00	None.	8	Good.
363	New Hartford	12	50.00	Month.	600.00	None.	1	Good.
364	Orchard	12	47.50	Month.	570.00	None.	4	Good.
365	Oto	12	50.00	Month.	600.00	100.00	4	Good.
366	Oyens	12	50.00	Month.	600.00	300.00	3	Good.
367	Poncha	12	55.00	Month.	660.00	None.	2	Good.
368	Pomeroy	12	37.50	Month.	780.00	300.00	7	Good.
369	Primghar	12	80.00	Month.	700.00	200.00	3	Good.
370	Remsen	12	60.00	Month.	850.00	200.00	4	Good.
371	Rock Rapids	12	70.00	Month.	840.00	400.00	2	Good.
372	Rockwell City	12	52.50	Month.	635.00	114.00	1	Good.
373	Rode	12	40.00	Month.	600.00	200.00	2	Good.
374	Sheldon	12	50.00	Month.	600.00	None.	6	Good.
375	Sherwood	12	47.50	Month.	600.00	None.	2	Good.
376	Sinclair	12	50.00	Month.	600.00	225.00	1	Good.
377	Storm Lake	12	57.50	Month.	772.00	None.	4	Good.
378	Sulphur Springs	12	55.00	Month.	660.00	225.00	1	Good.
379	Tara	12	50.00	Month.	600.00	None.	1	Good.
380	Tara	12	75.00	Month.	900.00	300.00	3	Good.
381	Wall Lake	12	70.00	Month.	840.00	300.00	3	Good.
382	Washita	12	40.00	Month.	480.00	None.	1	Good.
383	Webster City	12	55.00	Month.	660.00	100.00	1	Good.
384	Webster City	12	60.00	Month.	660.00	100.00	1	Good.
385	Wilke	12	50.00	Month.	600.00	80.00	2	Good.
386	Winthrop	12	55.00	Month.	660.00	None.	1	Good.
387	Winthrop	11	55.00	Month.	660.00	150.00	1	Good.
388	Winthrop	12	50.00	Month.	600.00	None.	1	Good.

OF IOWA—CONTINUED.

Amount of Insurance Carried	The Home					Variation in Hours and Wages Since 1905	Marginal Number
	Life	Fire	Owned	Value of	Equity in		

TELEGRAPHERS.

\$ 1,500	No.	No.	No.	No.	No.	Increased 50 cents per day	222
1,000	No.	No.	No.	No.	No.	No change in wages	223
1,000	No.	No.	No.	No.	No.	Increased \$2.50 per month	334
500	Yes	\$ 650	Clear.	Clear.	Clear.	Increased \$2.50 per month	335
2,500	No.	No.	No.	No.	No.	Increased \$2.50 per month	336
4,500	No.	No.	No.	No.	No.	Increased 50 cents per day	337
4,700	1,000	Yes	1,000	Clear.	Clear.	No change in wages	338
3,000	No.	No.	No.	No.	No.	No change in wages	339
4,000	900	No.	No.	No.	No.	Paid 25 cents per hour for over-time	340
2,300	No.	No.	No.	No.	No.	Increased \$3.00 per month	341
2,300	Yes.	10,000	Clear.	Clear.	Clear.	Increased \$4.00 per month	342
2,300	No.	No.	No.	No.	No.	No change in wages	343
2,300	No.	No.	No.	No.	No.	Increased \$5.00 per month, promoted	344
1,300	No.	No.	No.	No.	No.	Increased 22 cents per day	345
1,300	No.	No.	No.	No.	No.	Increased 10 cents per day	346
1,300	No.	No.	No.	No.	No.	No change in wages	347
1,300	Yes.	1,400	Clear.	Clear.	Clear.	No change in wages	348
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	349
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	350
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	351
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	352
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	353
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	354
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	355
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	356
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	357
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	358
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	359
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	360
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	361
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	362
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	363
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	364
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	365
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	366
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	367
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	368
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	369
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	370
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	371
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	372
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	373
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	374
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	375
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	376
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	377
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	378
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	379
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	380
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	381
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	382
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	383
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	384
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	385
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	386
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	387
1,300	No.	No.	No.	No.	No.	Increased \$1.00 per month	388

* Amount invested in farm land.

WAGE EARNERS

Marginal Number	Locality Where Employed	Working Hours Per Day	Wages		Total Earnings for Year	Total Savings for Past Year	Number Supported by Your Earnings	Sanitation Where Employed
			Rate	Per				

TELEPHONE OPERATORS.

389	Clarion	9	\$ 27.50	Month.	\$ 330.00	None.	1	Good.
390	Mason City	9	25.00	Month.	280.00	None.	1	Good.
391	Mason City	9	35.00	Month.	420.00	\$ 30.00	1	Good.

WOODWORKERS.

392	Burlington	10	\$.17	Hour.	\$ 498.00	\$ 30.00	4	Good.
393	Burlington	10	.24	Hour.	600.00	None.	2	Good.
394	Des Moines	9	.30	Hour.			4	Poor.

MISCELLANEOUS.

395	Boone	9	\$ 45.00	Month.	\$ 780.00		1	Good.
396	Cedar Rapids	12	50.00	Month.	600.00	\$ 63.00	1	Good.
397	Cedar Rapids	10	1.75	Day.	520.00		1	Good.
398	Clarion	14	50.00	Month.	620.00		2	Good.
399	Davenport	10	.22	Hour.	666.00		2	Good.
400	Des Moines	10	.25	Hour.	850.00	None.	2	Good.
401	Des Moines	8	.50	Hour.	1,000.00	None.	3	Good.
402	Des Moines	8	2.75	Day.	900.00	150.00	3	Good.
403	Dubuque	9	2.75	Day.		None.	2	Fair.
404	Dubuque	8	2.40	Day.	455.00	None.	5	Good.
405	Mason City	10	50.00	Month.	600.00	None.	1	Good.
406	Newton	10	125.00	Month.	1,500.00	600.00	5	Good.
407	Osage	10	100.00	Month.	1,200.00	781.00	2	Good.

Key to miscellaneous occupations: (395) Telephone Wireman, (396) Ice Man, (397) Mill Worker, (398) Pharmacist, (399) Motorman, (400) Walter, (401) Stone Cutting, (402) Stenographer, (403) Electrical Worker, (404) Hod Carrier, (405) Telephone Man, (406) Collector, (407) Manager Lumber Yard.

OF IOWA—CONTINUED.

Amount of Insurance Carried		The Home			Variation in Hours and Wages Since 1905	Marginal Number
Life	Fire	Owned	Value of	Equity in		

TELEPHONE OPERATORS.

	No.			Increased \$2.50 per month.	389
	No.			Slight increase by promotion.	390
	No.			No change in wages.	391

WOODWORKERS.

\$ 1,000	No.			No change in wages.	392
1,000	No.			No change in wages.	393
1,000	No.			Increased \$1 cents per hour.	394

MISCELLANEOUS.

\$ 1,100	No.			No change in wages.	395
	No.			No change in wages.	396
1,000	No.			No change in wages.	397
	No.			No change in wages.	398
2,000	No.			Increased 2 cents per hour.	399
4,000	Yes.	\$ 1,600	Clear.	No change in wages.	400
1,000	No.			No change in wages.	401
2,000	No.			Increased 25 cents per day.	402
1,000	No.			No change in wages.	403
1,000	No.			Slight increase.	404
1,000	No.			Increased \$2.50 per month.	405
4,000	Yes.	2,500	Clear.	No change in wages.	406
5,000	No.			No change in wages.	407

WAGE EARNERS OF IOWA.

REPLIES FROM INDIVIDUAL WAGE EARNERS TO QUESTION,
"WHAT SPECIFIC LEGISLATION WOULD BENEFIT WAGE
EARNERS IN YOUR OCCUPATION?"

BARBER.—Ottumwa. The enactment of a sanitary law that the barbers have been working on for the last eight years.

BARBER.—Creston. Enact a Sunday closing law, provide for sanitary conditions and give barbers some protection against barber school graduates.

BARBER.—Ottumwa. The enactment of a sanitary law, such as has been brought before previous legislatures.

BARBER.—Washington. A barber's license law would serve to protect the barbers and public.

BARTENDER.—Keokuk. The repeal of the prohibition law (Mule tax) and enact a State license law instead.

BLACKSMITH.—Des Moines. A law providing for a shorter work day.

BLACKSMITH.—Des Moines. Pass a law making it a crime for an employer to exact more than eight hours work per day from his employees.

BLACKSMITH.—Sioux City. The enactment of an eight hour work day law.

BOILERMAKER.—Carroll. A law requiring State inspection of boilers by competent inspector who should be a competent boilermaker with at least ten years' experience in boilermaking and repairing.

BOILERMAKER.—Marshalltown. I would recommend a law prohibiting boilermakers from keeping helpers down when entitled to promotion.

BOILERMAKER.—Waterloo. A law to prohibit the use of the long stroke riveting hammer, and a law providing that all boiler inspectors shall be practical boilermakers.

BOILERMAKER.—Waterloo. A law to abolish the use of the long stroke riveting hammer. The long stroke pneumatic hammer, used in the boiler-making business, permanently disables more men than all the rest of the tools used in this line of work put together.

BRAKEMAN.—Belle Plaine. Give us a law limiting the hours of continuous duty. The railroads are greatly overworking their men.

BRAKEMAN.—Belle Plaine. A law providing a shorter working day, and a specified number of hours one may be on duty in railway service.

BRAKEMAN.—Belle Plaine. A stipulated working day for all employed in the train service.

BRAKEMAN.—Belle Plaine. A shorter work day.

BRAKEMAN.—Boone. Legislation governing the number of men on a passenger train. Present practice on many roads is to run most of the passenger trains with but one brakeman or flagman regardless of number of cars in train. It is my belief that all passenger trains of more than three cars should have as train crew, two brakemen, one conductor and one baggage man, if baggage is handled in train. Two brakemen are needed to properly comply with rules of most railroads at the present time, yet but one is used on a great many of their trains.

BRAKEMAN.—Boone. Have every car and engine equipped with automatic brakes.

BRAKEMAN.—Burlington. Reduce length of trains, that is to specify number of cars that can be hauled in one train and prevent double heading.

BRAKEMAN.—Burlington. Limit by law the hours for continuous duty for railway employes in train service, also limit the tonnage of trains, as the common practice on nearly all roads, now, is to exceed the limit of safety for freight trains.

BRAKEMAN.—Cherokee. By having a law passed which would protect us the same as the Government does the soldiers, by giving us a pension for disability.

BRAKEMAN.—Council Bluffs. We need better enforcement of the safety appliance laws, also the enactment of an employer's liability law that will force railways to take care of the cripples they make.

BRAKEMAN.—Creston. By reduction of tonnage, less number of cars in trains and less hours on duty per day.

BRAKEMAN.—Creston. A law for reducing the tonnage, and have the company comply with the State laws, the same as individuals.

BRAKEMAN.—Des Moines. An eight hour day for railway employes, with same rate of pay we now receive.

BRAKEMAN.—Fort Madison. A law to shorten the hours that we are compelled to work before we are allowed rest.

BRAKEMAN.—Ottumwa. An eight hour work day. Compel railway companies to obey the laws, and pass more strict safety laws.

BRAKEMAN.—Perry. Decrease length of trains or increase number of brakemen.

BRAKEMAN.—Sioux City. An eight hour work day.

BRAKEMAN.—Tama. A more rigid enforcement of the law against blacklisting and a penalty of imprisonment for violation of same, as that would be most effective to prevent and discourage secret blacklisting among railway officials as now practiced.

BRAKEMAN.—Valley Junction. A law that will stop all double-heading and handling such lengthy trains with only two brakemen, and more rigid enforcement of the safety appliance law.

BRAKEMAN.—Valley Junction. A law to eliminate the practice of double-heading, and enact a law to prohibit the keeping of employes on duty more than fourteen consecutive hours.

BRACKEMAN.—Waterloo. A law to abolish double-heading. Limit the number of cars to be hauled in freight trains, and abolish the plan of hauling so much freight on Sundays, as some roads are in the habit of taking care of all their dead freight on Sundays.

BRICKLAYER.—Council Bluffs. The bricklayers are contented, but would like to see the eight hour work day enforced for all labor.

BRICKLAYER.—Lyons. We need no other laws if the ones on the statute books were properly enforced.

BRICKLAYER.—Muscatine. A law making all contractors liable to damage for injuries to workmen which come through their negligence or carelessness.

CARPENTER.—Boone. A law prohibiting the board of trade from gambling on the necessities of life.

CARPENTER.—Clinton. By the enactment of an anti-trust law, similar to those of some foreign countries.

CARPENTER.—Council Bluffs. A law to bring about an eight hour work day.

CARPENTER.—Council Bluffs. Pass the bill introduced in the House by Wright, House File 14, 31st G. A., defining the assumption of risk.

CARPENTER.—Dubuque. The eight hour work day for all laboring people.

CARPENTER.—Dubuque. The eight hour day is the most important.

CARPENTER.—Sioux City. Eight hour work day.

CAR REPAIRER.—Cherokee. The elimination of Sunday work for men doing our class of work.

CAR INSPECTOR.—Fort Dodge. A law providing a shorter work day.

CIGARMAKER.—Fairfield. The enforcement of the child labor law, and keep out Phillipino cigars.

CIGARMAKER.—A state wide primary election law.

CIGARMAKER.—Sioux City. Better sanitary conditions in rat shops and tenements, and abolish child labor.

CLERK, P. O.—Fort Dodge. A law granting any person the right to observe Sunday as a day of rest without losing his position.

CLERK, P. O.—Ottumwa. Eight hour work day and mandatory promotions.

CLERK, RETAIL.—Des Moines. Enact a Sunday closing law.

CONDUCTOR.—Belle Plaine. Give men in road service a maximum work day, twelve hours are reasonable for the best interests of every one concerned.

CONDUCTOR.—Belle Plaine. Less hours on duty.

CONDUCTOR.—Boone. Cut trains to forty cars or less and compel all railway companies to put a conductor on all freight engines going over the road to flag in case of accident.

CONDUCTOR.—Carroll. A shorter work day is desired and equip all cars with power brakes.

CONDUCTOR.—Clinton. Shorter hours per day and fewer cars to a train.

CONDUCTOR.—Council Bluffs. A law reducing tonnage of trains.

CONDUCTOR.—Des Moines. Oblige a railway company not to keep any man on duty to exceed twelve hours, except in case of wrecks, washouts or storms.

CONDUCTOR.—Des Moines. Shorter hours of continuous duty in train service.

CONDUCTOR.—Des Moines. Compel better track, better equipment and less hours on road without rest.

CONDUCTOR.—Dubuque. Decrease hours of work without rest and cut tonnage of trains.

CONDUCTOR.—Marion. Provide that old employes who have been faithful be cared for by pension or have some consideration.

CONDUCTOR.—Perry. Compulsory rest after a reasonable time on duty. Limit the number of cars hauled in freight trains.

COOPER.—Ottumwa. Law providing shorter work day.

COOPER.—Ottumwa. Abolish the manufacture of cooperage in state prisons.

ENGINEER.—Belle Plaine. Provide for shorter hours on road without rest and prohibit double-heading.

ENGINEER.—Clinton. Legislation absolutely prohibiting two engines running over the road when coupled together and penalize for violation.

ENGINEER.—Centerville. Have switch lights put on switches.

ENGINEER.—Centerville. A law to prohibit doubling hills as it is dangerous backing down after train over bad track, can show two bad accidents traceable to this fact.

ENGINEER.—Council Bluffs. Prohibit men from doubling out of terminals without rest when there are extra men available for that purpose.

ENGINEER.—Estherville. Stop double-heading and doubling hills to pull more than the tonnage rating of engines.

ENGINEER.—Des Moines. A law that will not allow a railroad company to compel an engineer to remain on duty as many hours as are often required of us. I have often been required to remain on duty from twelve to thirty hours, and not in case of emergency either. Also a law that will require standard pay on small roads as well as large ones.

ENGINEER.—Estherville. We need a state boiler inspector for locomotive boilers, a law limiting the hours of continuous duty and a law to abolish Sunday trains.

ENGINEER.—Fort Madison. A law requiring railways to furnish better signal lights.

ENGINEER.—Fort Madison. A law requiring frost glasses to be placed in front cab windows of all engines during winter months.

ENGINEER.—Fort Madison. A law providing shorter hours for continuous service and a law to limit the tonnage of trains.

ENGINEER.—Oskaloosa. A law to shorten hours in continuous service and a law to abolish double-heading.

ENGINEER.—Ottumwa. A law that will bring about a shorter day in railway service.

ENGINEER.—Perry. We need a law to govern the number of hours for continuous service especially on engines.

ENGINEER.—Sioux City. A law to shorten the hours of continuous service in freight service is much desired.

ENGINEER.—Sioux City. A law to reduce the hours in continuous service, and a law to abolish Sunday work.

ENGINEER.—Sioux City. The employers liability bill and the bill relating to assignment of wages, both before the Thirty-first General Assembly, would greatly benefit men employed in our capacity.

ENGINEER.—Stuart. Shorter hours in continuous service and all Sunday work abolished, excepting just what is absolutely necessary.

ENGINEER.—Sioux City. Change the laws relative to assumption of risk, assignment of wages, limiting hours of labor of railway employees and a law requiring State inspection of locomotive boilers.

ENGINEER.—Sioux City. Stricter laws in regard to maintenance of equipment and safety appliances.

ENGINEER.—Valley Junction. A law requiring air brakes on freight cars kept in good working order and require boiler inspection by other than company employees.

ENGINEER.—Valley Junction. A law providing for a shorter work day for men in railway service.

FIREMAN.—Belle Plaine. A law prohibiting backing over road without headlight and pilot on tender and a law which will bring about a shorter day for railway employees.

FIREMAN.—Belle Plaine. A law that will prevent backing over road and double-heading, and a law that will prevent company from keeping men at work when they are badly in need of rest.

FIREMAN.—Carroll. A law limiting the hours of continuous duty.

FIREMAN.—Clarion. A law preventing the company from keeping a man on the road more than ten hours without rest.

FIREMAN.—Dubuque. Reduce tonnage or shorten trains to a limit of forty cars.

FIREMAN.—Mason City. Put a limit to the number of hours on continuous duty and specify a required number of hours for rest.

FIREMAN.—Sanborn. A law preventing a company from keeping a man on duty for more than ten or twelve hours without rest.

FIREMAN.—Sioux City. Require all cars to be equipped with air brakes, engines with electric head lights and require the block system to be perfected.

HARNESS MAKER.—Des Moines. By passing a law that will bring about the eight hour work day, and a law that will require all convict made goods to be stamped as such.

MACHINIST.—Davenport. Abolish the piece work system and compel employers to pay a minimum rate of wages for each class of work.

MACHINIST.—Muscatine. A law bringing about the eight hour work day is most desired.

METAL WORKER.—Cedar Rapids. An anti-injunction law that will limit the power of judges when they deal with controversies growing out of labor disputes, also an eight hour work day.

MINE WORKER.—Centerville. A law to regulate the railroad rates and a law to prevent the railroads from discriminating against certain coal fields when asked to furnish cars.

MINE WORKER.—Flagler. A law that will compel the operator to pay for the shot firing.

MINE WORKER.—Numa. By electing the mine inspector by vote of the mine workers instead of by appointment as at present.

MINE WORKER.—Valley Junction. A law that will prevent firing more than once per day after a mine has reached a capacity of twenty-five tons per day.

MUSICIANS.—Des Moines. A law that will prevent all army and navy musicians from competing with civilian musicians.

PAINTER.—Lyons. A law that would prevent the nuisance of smoke in the vicinity of railroad shops and factories as it would help to restore to the laboring man the value of his property which he usually owns in such localities.

PLUMBER.—Council Bluffs. A law establishing an eight hour work day for all labor done on public work, state, county and city.

PLUMBER.—Dubuque. A state law providing for the regulation and inspection of plumbing and if possible license plumbers and steam fitters.

PLUMBER.—Sioux City. A state law governing the inspection of all plumbing in cities of 10,000 inhabitants.

SWITCHMAN.—Council Bluffs. Enforcement of the railroad safety appliance law, and the enactment of an employers liability law compelling them to look after their cripples and injured.

SWITCHMAN.—Shenandoah. The enforcement of the present safety appliance law is the most needed at present.

TELEGRAPHERS.—The enforcement of our present laws relative to employers as well as employees.

TELEGRAPHERS.—Establish a state board for examining and licensing telegraphers.

TELEGRAPHER.—An eight hour day, and have the government handle the mail between postoffice and railroad station instead of the railroad company.

TELEGRAPHER.—By compelling railroads to run only such trains on Sundays and holidays as are actually necessary.

TELEGRAPHER.—An eight hour law and a law requiring the licensing of railroad telegraphers and that only such be employed by railroad companies.

TELEGRAPHER.—License all telegraphers and forbid railroad companies from employing any one under the age of twenty-one to handle train order wires.

TELEGRAPHER.—In going over the sixty-seven reports from telegraphers we find, where they expressed their opinion in reply to this inquiry, they were nearly unanimous for the following: The hours worked per day should be reduced to insure better service; the habit of moving all dead freight and running excursions on Sunday should be abandoned so that trainmen, telegraphers, etc., may enjoy a day of rest; and that all operators should be examined, by a state board created for that purpose, and should be required to have a license from this board before being employed by any railway company.

MOTORMAN.—Davenport. Companies should be compelled to build their summer cars with an aisle through the center instead of running board on one side. They should also be required to provide full vestibules in winter instead of leaving one side open.

STONE CUTTER.—Des Moines. A law compelling stone work for the state to be cut where building is being erected.

ELECTRICAL WORKER.—Dubuque. I think there should be a law protecting the men working at our trade as it is a hazardous occupation and we have practically no redress in this State in case of death or accident.

WAGE EARNERS IN IOWA.

REMARKS FROM WAGE EARNERS ON GENERAL SUBJECTS AND SUGGESTIONS AS TO HOW THE BUREAU OF LABOR STATISTICS CAN BEST PROMOTE THE INTERESTS OF THE WAGE EARNERS AND THE PEOPLE OF THE STATE.

BLACKSMITH.—Des Moines. By examining more thoroughly into conditions existing where young girls and children are employed, and publishing the facts as they really exist.

BOILERMAKER.—Carroll. I believe all railway companies should be compelled to make all repairs to their equipment in the State in which it is used or where it becomes out of repair. I also believe that a railway company should not be allowed to establish a division at a certain point on its line and after their employes have bought homes here remove it to some other point for their convenience, as it is usually a great loss to the laboring men.

BOILERMAKER.—Waterloo. By investigating sanitary conditions and by stricter factory inspection, and by seeing that the child labor law just passed is enforced.

BRAKEMAN.—Belle Plaine. A shorter time on the road is needed for the safety of the public as well as employes. Twelve to eighteen hours on the road making ten miles per hour and irregular sleeping hours while off duty makes a man unfit for heavy responsibilities.

BRAKEMAN.—Clarion. Our schedule might be greatly improved by a fifteen or twenty per cent increase in wages and a ten or twelve hour work day. We now have a sixteen hour day, that is after we have been on the road sixteen hours we are entitled to eight hours rest and I think we should have these same privileges with a ten or twelve hour day.

BRAKEMAN.—Creston. By the rigid enforcement of the labor laws and the enactment of laws in favor of all labor.

BRAKEMAN.—Des Moines. If the railroads of this country would keep the old experienced men in service instead of a lot of boys which they are employing, I, as well as the rest of experienced railroad men, know that there would be fewer wrecks and the public would get better service from the railroads.

BRAKEMAN.—Ottumwa. Cars are hauled out of terminals chained up and trainmen are compelled to take trains over the road by hand in case of air failure which is very dangerous, but one must do it or lose his job.

BRAKEMAN.—Sloux City. Compare the cost of living with wages. Why not have a law making violation of the working agreement between employes and corporations punishable same as though it were a contract between two parties.

BRICKLAYER.—Muscatine. By more strict enforcement of the child labor law and working for an eight hour day on all Government and State work.

BUTTON CUTTER.—Muscatine. By making an investigation of socialism.

CARPENTER.—Clinton. By strict inspection of factories and see that the laws regarding child labor in factories are enforced to the letter.

CARPENTER.—Dubuque. By encouraging the wage earners to organize and work for better wages.

CONDUCTOR.—Des Moines. Meet the wage earner and talk with him personally. Oblige any employer of labor to show the time books in case an official of the State or Government wishes to examine the same for evidence, also make him certify they are correct.

CONDUCTOR.—Des Moines. By getting statistics and recommending changes to the State Legislature.

CONDUCTOR.—Marion. By inquiry as to number of brakemen on long freight trains, fifty to seventy-five cars. Two brakemen are not enough and on passenger trains on this road only one brakeman and no flagman are provided. Under these conditions the trains are not properly protected, and the service to the public is not what it should be.

COOPER.—Cedar Rapids. Find out the reason of such a large number of unemployed and promote some plan to give the wage earners a chance to earn wages.

ENGINEER.—Centerville. The bridges between Van Wert and Keokuk should be inspected as I do not believe they are safe, considering the trains that are run over them.

ENGINEER.—Des Moines. I think there should be something done to prevent railway companies from keeping men on continuous duty from twelve to thirty hours.

ENGINEER.—Fort Dodge. By investigating the cause of freight train crews being such long hours on duty and an attempt by law to restrict the use of double-headers and drag trains.

ENGINEER.—Fort Madison. We are more concerned in safety appliances for ourselves and the public than anything else; this would better our conditions. At the high rate of speed expected and maintained, not only in Iowa, but all States, we should have signal lights that can be seen at least six thousand feet distinctly. Our company has adopted a green instead of a white light for switches and order board lights. These lights, as used at present, can not be seen far enough to make a stop before reaching them, in fact a very large per cent of them can not be seen 500 feet. There have been hundreds of letters written by engineers to the officers of the road condemning these lights during the last two years, but no benefit has, as yet, been obtained. I am not condemning the green light, but I say, whatever the light is, let us see it for, at least, six thousand feet.

We and all the people desire that the percentage of good, sound ties under the rails be increased.

We also wish to have the boilers of our engines washed out often enough that they will not foam. Any engineer is liable to burn a boiler while foaming and probably cause an explosion, or, if not, lose his position.

It is very important for everybody's safety that the engineer should not have his vision obscured by steam blowing from piston rods or valve stems. This is one fault that our company pays little attention to, although there have been thousands of complaints sent in by the engineers.

ENGINEER.—Ottumwa. Railroad men's conditions can be improved by reading rooms, baths, etc., located near terminal yards so that men will have comfortable places to wait and a place to clean up when they come from their runs.

ENGINEER.—Petty. A trick dispatcher should not have over fifty or seventy-five miles of wire in busy season. Crews should not be called until dispatcher can get them out and they should not be obliged to switch at heavy junction points.

ENGINEER.—Petty. We are required to work from time we are called till we leave our engine. Sixteen hours to go over division before getting any extra pay and then have to double out or lay off and lose two days before our engines return.

ENGINEER.—Petty. I find that while our wages has been increased about ten per cent in the last ten years our earning capacity has been decreased at least fifteen per cent owing to more hours on duty per trip, larger engines, more tonnage and therefore arduously worked. And any close observer knows cost of living is constantly increasing.

ENGINEER.—Sloux City. There should be a man to look into the slack methods of keeping up air and equipment of couplers.

ENGINEER.—Sloux City. The bureau should investigate the combination known as the Retail Grocers' Association. We have reason to believe it is operating to control the market in violation of law.

ENGINEER.—Valley Junction. There have been several boilers blown up on the same railroad on account of defective design and bad condition, in the past two years. There were two in Iowa on the same road and same kind of engine, and several lives were lost. If same class engines are allowed to run more explosions may be expected. As for air brakes on freight cars it is not an unusual thing to find every other car in the train of forty cars with triple valves out.

ENGINEER.—Valley Junction. We are called one and one-half hours before leaving and are usually detained one hour after arriving looking engine over, registering and making work report for which no time is allowed.

FACTORY HAND.—Keokuk. Many children are compelled to go to work when they could be in school if the State furnished books. I know of a great many cases where parents are not able to buy books for their children and the State will not let them run and play during the school hours, hence they are sent to some factory. I have been told that the

school board will furnish books for those who are too poor to provide their children with same, but who wants their name to come out in print in the proceedings of the school board as being unable to buy books. The usual thing is the children go to work in some factory.

FIREMAN.—Sanborn. Our division is divided into two subdivisions, one 131 miles long and the other 107. We generally go over the 137 mile division in an average of about seventeen or eighteen hours, and over the 107 mile division in about eighteen or twenty hours. The difference being caused by switching, there being no switch engine employed on the short division.

Have been on duty as long as twenty-seven or eight hours on one trip and be required to double out on two or three hours' sleep and make another twenty hour run. This is only during the busy season. Occasionally where we double hills we run one way backwards, at night with one white and one red light on tender. Overtime is allowed after the number of hours one has been on duty exceeds the miles, computing it at the rate of ten miles per hour. We have trouble in being kept away from home in the busy season and are obliged to pay board at the rate of \$1 per day which makes quite a hole in our wages. This could be done away with by putting crews on each sub-division.

FIREMAN.—Sioux City. By obtaining statistics relative to the cost of living and price of labor, and gaining for labor a greater share of the products which it helps to produce.

HARNESSE MAKER.—Des Moines. By ascertaining Iowa's proportion of foreign immigration, what per cent of immigrants are employed in the agricultural districts, factories and day laborers, and what depressing effect, if any, such additional labor has upon the labor market, and by placing such knowledge, when gained, in the hands of the public.

HARNESSE MAKER.—Des Moines. By keeping the girls out of the manufacturing plants. Let the girls work at home and make good, strong women out of them and it will be better for the Nation, it will bring a strong generation into this country. If the men were getting better wages these girls would not have to work in these places.

MACHINIST.—Davenport. By sending an inspector to several large manufacturing plants and have this inspector talk to the workmen in the shop and find out their conditions, wages paid, etc. I think statistics gathered in this way would be more reliable.

METAL WORKER.—Cedar Rapids. By showing to the public the quantity of various articles manufactured in penitentiaries and sweat shops. We aim to secure the emancipation of the working classes from the bonds of wage slavery, and the abolition of the competition of convict labor. I advocate a bill compelling all such institutions to label or brand their output if the manufacture of it can not be stopped.

MINE WORKER.—Beacon. A better inspection service would help the mine workers very much.

MINE WORKER.—Valley Junction. I think firing should be allowed but once each day in mines of large capacity as fire or after damps following shooting is not properly removed in one hour and does impair health of miners employed.

PLUMBER.—Council Bluffs. If general data was collected and published as to the conditions of similar labor performed in other States it would be a guidance to those who change their residence seeking to better conditions.

PLUMBER.—Dubuque. Strict enforcement of the child labor law and frequent visits to places where child labor is usually found.

PRINTER.—Des Moines. By placing the union label on all State work, which is a guarantee of fair wages and good sanitary conditions and would avoid the poor workmanship and delays with which the last State legislature had to contend.

TEAMSTER.—Dubuque. Elect members of the working classes to represent the working classes. If a working man, at a salary of \$11 per week and a family of seven children, should clothe his children, buy books and send them to school he will find that he has not much for living expenses, in fact a man can not exist and provide for a family on the wages paid most laboring men.

TELEGRAPHER.—For two and one-half years I was compelled to work sixteen hours per day and subject to call any hour of the night, and at times was held on duty three days and nights without sleep and then cursed, because I could not stand another night. No attention was paid to the condition until the O. R. T. fought it out and then we received a night operator. This is a matter which could be remedied by having inspectors to inquire into conditions. You know that some would hesitate about writing their grievances on account of the big stick held over their heads.

TELEGRAPHER.—By an inquiry regarding the various and conflicting duties required of railroad telegraphers.

TELEGRAPHER.—In the interest of the people of the State, in the respect of their safety while traveling, investigations should be conducted as to the hours of railroad men in general, and the conditions under which their work is performed, especially as to the multiplicity of duties required of telegraphers handling train movements.

An investigation, conducted along proper lines, will reveal conditions of labor surrounding the average railroad telegrapher that will show beyond question that he is the poorest paid class of skilled labor in the State, using hours as a basis of computation. That little or no cognizance is taken of the importance of his work in connection with the safeguarding of train movement, for the reason that his duties are so numerous and conflicting, outside of train work, that he can not give that work proper attention.

TELEGRAPHER.—Railroad agents are required to return to their offices after putting in a day's work and frequently on Sundays and holidays are required to remain on duty a part and sometimes all day. They can not leave their town without permission for fear there will be something happen that will require him to return. This is asking too much after he has put in twelve hours per day and besides he is not paid for extra time or responsibility.

TELEGRAPHER.—There should be something done to reduce working hours for railroad telegraphers on all large trunk lines in Iowa which would be for the safety of the traveling public.

TELEGRAPHER.—Why not have an eight hour day in the State of Iowa, the same as the State of Maryland has for telegraphers? This is not only a benefit to the telegrapher, but necessary to the safety of life and property. Look at the wrecks caused by overworked men in railroad service. I can personally refer you to several in my limited knowledge. This really should be investigated for the sake of humanity in general.

TELEGRAPHER.—Telegraph operators handling train orders have the lives of the traveling public in their hands and it would add greatly to the safety of passengers and train men if all operators were obliged to hold a State license as then only competent and reliable men could be hired for this work by the railroad companies.

RAILROAD EMPLOYEES OF IOWA.

This chapter, consisting of five tables and a running summary, is devoted to the interests of men in train service in the state, with special reference to conditions surrounding their employment, compensation received for such service, number of hours required of them on continuous duty, and an investigation of the means used to prevent accidents with consequent loss of life and limb.

Table No. 1 consists of a tabulation of general information, covering conditions of employment, miles run, hours on duty, rate of wages, monthly and yearly earnings.

Table No. 2 is a tabulation of conditions of employment that may be answered by yes or no.

Table No. 3 is a compilation of accident statistics giving name, date, cause of accident and result of same.

Tables Nos. 4 and 5 are reprinted from report of Railroad Commissioners of Iowa for 1905, and contain in addition to fatal accidents, statistics on injury to employes and others, that so far this bureau has been unable to secure from any other source, as accidents of this character are not given the same publicity that is given to fatal accidents.

CONDUCTORS.

The average number of miles run per month during 1905, as shown by reports in table No. 1, by twenty-two conductors on five different railway systems was 3,430. The average length of divisions reported was 146 miles. The average number of hours on duty per trip was 11 hours and 20 minutes. The longest time on continuous duty without rest was 40 hours, and the average longest time on duty without rest was 21 hours and 14 minutes. The highest age limit at which a conductor can enter service is 45 years, and the average age limit reported at which a conductor can enter service is 33 years. The greatest number of cars reported as having been handled in any one train was 120, and the average number of cars hauled in the longest trains was 71. The rate of pay for conductors is \$3.45 per 100 miles. The average monthly earnings reported was \$105.85, and the average total earnings for the year as reported was \$1,304.65.

TWELFTH REPORT OF THE
ENGINEERS.

The average number of miles run per month during 1905, as shown by reports in table No. 1 by 42 engineers on nine different railway systems was 2,951. The average length of divisions reported was 127 miles. The average number of hours on duty per trip was 10 hours and 34 minutes. The longest time on continuous duty without rest was 57 hours, and the average longest time on duty without rest was 26 hours 54 minutes. The highest age limit at which an engineer can enter service is 45 years, and the average age limit reported at which an engineer can enter service is 38 years. The greatest number of cars reported as having been hauled in any one train was 125, and the average number of cars hauled in the longest trains was 78. The rate of pay for engineers ranges from \$3.80 per 100 miles for standard engines in through freight and passenger service to \$4.80 per 100 miles for consolidation engines on way freight. The average monthly earnings reported was \$118, and the average total earnings for the year as reported was \$1,410.

FIREMEN.

The average number of miles run per month during 1905, as shown by reports in table No. 1, by 23 firemen on six different railway systems was 3,038. The average length of division reported was 133 miles. The average number of hours on duty per trip was 10 hours and 44 minutes. The longest time on continuous duty without rest was 36 hours, and the average longest time on duty without rest was 23 hours and 51 minutes. The highest age limit at which a fireman can enter service is 35 years, and the average age limit reported at which a fireman can enter service is 28 years. The greatest number of cars reported as having been hauled in any one train was 125, and the average number of cars hauled in the longest trains was 73. The rate of pay for firemen ranges from \$2.30 per 100 miles for standard engines in through freight and passenger service to \$3.00 per 100 miles for consolidation engines on way freight. The average monthly earnings reported was \$74.05, and the average total earnings for the year as reported was \$882.47.

TRAINMEN.

The average miles run per month during 1905, as shown by reports in table No. 1, by 22 trainmen, on six different railway systems was 2,772. The average length of divisions reported was 126 miles. The average number of hours on duty per trip was 11 hours and 31 minutes. The longest time on continuous duty without rest was 36 hours, and the average longest time on duty without rest was 23 hours and 40 minutes. The highest age limit at which a trainman can enter service is 45 years, and the average limit reported at which a trainman can enter service is 30 years. The greatest number of cars reported as having been handled in any one train was 130, and the average number of cars handled in the longest trains was 74. The average rate of pay for trainmen is \$2.29 per 100 miles. The average monthly earnings reported was \$65.80, and the average total earnings for the year as reported was \$757.

RAILROAD EMPLOYEES OF
CONDUCTORS

Employed by—	Average miles run per month	Length of division in miles	Freight or passenger service	Average hours on duty per trip	Longest time on duty during year	Are old employees pensioned when retired?
Chicago Great Western.....	3,300	123	Fr.	12	30	No
Chicago Great Western.....	3,300	123	Fr.	10	32	No
Chicago Great Western.....	3,600	167	Fr.	20	30	No
Chicago, Milwaukee & St. Paul.....	2,700	90	Fr.	10	24	No
Chicago, Milwaukee & St. Paul.....	3,000	115	Fr.	11	16	No
Chicago, Milwaukee & St. Paul.....	2,500	137	Fr.	11	40	No
Chicago, Milwaukee & St. Paul.....	2,800	129	Fr.	15	23	No
Chicago & North-Western.....	4,500	155	Pass.	6	12	Yes
Chicago & North-Western.....	3,000	243	Pass.	n	16	Yes
Chicago & North-Western.....	3,200	145	Fr.	13	28	Yes
Chicago & North-Western.....	3,100	97	Fr.	10	21	Yes
Chicago & North-Western.....	3,300	108	Fr.	8	27	Yes
Chicago & North-Western.....	3,300	108	Fr.	14	18	Yes
Chicago & North-Western.....	5,000	195	Pass.	8	10	Yes
Chicago & North-Western.....	2,350	146	Fr.	13	16	Yes
Chicago & North-Western.....	3,300	125	Fr.	12	15	Yes
Chicago & North-Western.....	5,000	202	Pass.	6	8	Yes
Chicago & North-Western.....	3,200	197	Fr.	n	23	Yes
Chicago, Rock Island & Pacific.....	3,300	207	Fr.	11	24	No
Illinois Central.....	4,000	127	Fr.	11	16	Yes

n Not reported.

ENGINEERS

Atchison, Topeka & Santa Fe.....	2,500	105	Fr.	9	45	No
Atchison, Topeka & Santa Fe.....	4,000	225	Pass.	8	10	No
Atchison, Topeka & Santa Fe.....	4,500	224	Pass.	11	15	No
Chicago, Burlington & Quincy.....	2,500	236	Pass.	6	20	No
Chicago, Burlington & Quincy.....	2,500	114	Fr.	10	25	No
Chicago, Burlington & Quincy.....	2,200	114	Fr.	16	23	No
Chicago, Burlington & Quincy.....	n	(a)	n	11	20	No
Chicago, Burlington & Quincy.....	3,848	148	Pass.	11	18	Yes
Chicago, Burlington & Quincy.....	2,300	116	Fr.	14	36	No
Chicago Great Western.....	3,000	100	Fr.	11	36	No
Chicago Great Western.....	4,165	170	Pass.	5	28	Yes
Chicago Great Western (b).....	2,000	155	Fr.	12	26	No
Chicago Great Western.....	3,200	(a)	n	10	14	No
Chicago, Milwaukee & St. Paul.....	3,150	90	Fr.	9	36	No
Chicago, Milwaukee & St. Paul.....	3,300	90	Pass.	8	22	No
Chicago, Milwaukee & St. Paul.....	2,400	90	Pass.	6	8	No
Chicago, Milwaukee & St. Paul.....	2,600	124	Fr.	12	52	No
Chicago, Milwaukee & St. Paul.....	2,500	124	Fr.	12	42	No
Chicago, Milwaukee & St. Paul.....	2,500	137	Fr.	10	28	No
Chicago, Milwaukee & St. Paul.....	2,500	127	Fr.	11	48	No
Chicago, Milwaukee & St. Paul.....	3,200	124	Fr.	12	57	No
Chicago & North-Western.....	2,200	100	Fr.	8	18	Yes
Chicago & North-Western.....	2,400	81	Fr.	10	18	Yes
Chicago & North-Western.....	3,000	116	Fr.	8	18	Yes
Chicago & North-Western.....	2,000	108	Fr.	12	19	Yes
Chicago & North-Western.....	2,400	81	Fr.	9	24	Yes
Chicago & North-Western.....	3,000	81	Fr.	14	20	Yes
Chicago & North-Western.....	2,500	122	Fr.	10	21	Yes
Chicago, St. Paul, Minneapolis & Omaha.....	2,700	90	Fr.	14	21	Yes
Chicago, St. Paul, Minneapolis & Omaha.....	3,520	148	Pass.	54	21	Yes
Chicago, St. Paul, Minneapolis & Omaha.....	n	146	Fr.	12	23	Yes
Chicago, Rock Island & Pacific.....	3,000	137	Fr.	12	20	No
Chicago, Rock Island & Pacific.....	1,233	103	Fr.	12	36	No
Chicago, Rock Island & Pacific.....	2,600	191	Fr.	15	24	No
Chicago, Rock Island & Pacific.....	3,000	110	Fr.	10	34	No
Chicago, Rock Island & Pacific.....	n	110	Fr.	5	32	No

(a) Yard engineer.

(b) Extra freight engineer.

*In branch service.

IOWA—TABLE No. 1

CONDUCTORS

Positioned and retired at what age?	Em- ployed* age limit to begin service	Are double headers operated on the road where em- ployed?	Largest number of cars ever hauled in one train	Present rate of pay per hundred miles	Average monthly earnings for the year 1905	Increase in rate of wages for 1905	Total earnings for the year 1905
.....	None	No	64	\$ 3.45	\$ 115	15%	\$ 1,400
.....	45	No	32	3.45	110	None	1,250
.....	35	Yes	65	3.45	85	None	1,020
.....	None	Yes	120	3.45	100	16c	1,250
.....	None	Yes	130	3.45	83	None	1,000
.....	30	Yes	n	n	n	n	1,200
.....	None	Yes	101	3.45	112	None	1,400
.....	None	Yes	67	3.45	96	None	1,000
.....	35	Yes	n	n	134	None	1,500
.....	35	Yes	65	3.45	105	None	1,200
.....	35	Yes	60	3.45	85	None	1,020
.....	35	Yes	70	3.45	85	None	850*
.....	35	Yes	70	3.45	134	None	1,500
.....	35	Yes	75	3.45	100	None	1,200
.....	35	Yes	27	3.45	75	None	n
.....	35	Yes	75	3.45	134	None	1,500
.....	35	Yes	107	3.45	110	None	1,327
.....	30	Yes	50	3.45	115	5c	1,400
.....	n	Yes	76	3.45	125	None	1,500

*Laid off two months.

ENGINEERS

.....	45	Yes	80	\$ 4.25	\$ 120	None	\$ 1,400
.....	45	Yes	n	3.75	125	None	1,500
.....	35	Yes	75	4.25	120	None	1,400
.....	24	Yes	85	4.00	100	None	1,200
.....	30	Yes	125	4.00	110	None	1,300
.....	None	Yes	88	.....	80	None	n
.....	None	Yes	140	3.00	125	None	1,200
.....	45	Yes	60	3.00	90	None	1,100
.....	None	No	95	4.70	125	None	1,500
.....	45	Yes	70	3.80	158	None	1,800
.....	n	Yes	60	2.50	75	None	900
.....	None	Yes	63	4.20	n	None	n
.....	n	Yes	36	4.20	130	None	1,500
.....	35	Yes	n	4.15	100	None	1,200
.....	45	Yes	75	4.15	137	None	1,644
.....	None	Yes	110	4.40	110	None	1,300
.....	25	Yes	105	4.30	n	None	n
.....	None	Yes	85	4.40	110	None	1,325
.....	None	Yes	105	4.40	110	None	1,320
.....	40	Yes	108	4.40	140	None	1,680
.....	35	Yes	65	4.15	120	None	1,500
.....	35	Yes	90	4.40	80	None	1,047
.....	35	Yes	120	4.40	130	None	1,560
.....	35	Yes	60	4.25	95	None	1,045
.....	28	Yes	65	4.00	80	None	960
.....	35	Yes	60	4.40	110	None	1,200
.....	35	Yes	100	4.40	116	None	1,400
.....	35	Yes	78	4.15	140	None	1,675
.....	35	Yes	n	4.10	147	None	1,764
.....	70	Yes	107	4.15	n	None	1,500
.....	45	Yes	65	4.00	65	5c	700
.....	n	Yes	70	4.40	125	None	1,500
.....	45	Yes	75	4.40	120	None	1,500
.....	n	Yes	70	4.40	60	None	800

(n) Not reported.

RAILROAD EMPLOYEES OF

ENGINEERS—CONTINUED.

Employed by—	Average miles run per month	Length of division in miles	Fret or passenger service	Average hours on duty per trip	Longest time on duty during past year	Are old employees pensioned when retired?
Des Moines, Iowa Falls & Northern	3,800	152	Pass.	14	36	No
Illinois Central	3,600	135	Pass.	44	n	Yes
Iowa Central	3,500	162	Fr.	12	29	Yes
Iowa Central	3,500	182	Fr.	12	24	No
Iowa Central	2,000	88	Fr.	12	24	No.

(a) Yard engineer.

(b) Extra freight engineer.

*In branch service.

FIREMEN

Chicago, Burlington & Quincy	3,000	115	Fr.	114	25	No
Chicago, Burlington & Quincy	2,500	115	Fr.	114	23	No
Chicago, Burlington & Quincy	2,500	148	Fr.	114	23	No
Chicago Great Western	3,300	100	Fr.	10	27	No
Chicago Great Western	4,200	170	Pass.	10	25	No
Chicago Great Western	2,900	167	Fr.	16	36	No
Chicago, Milwaukee & St. Paul	3,400	128	Pass.	5	15	No
Chicago, Milwaukee & St. Paul	3,000	116	Pass.	4	30	No
Chicago, Milwaukee & St. Paul	3,000	138	Fr.	10	20	No
Chicago, Milwaukee & St. Paul	3,500	138	Fr.	10	20	No
Chicago, Milwaukee & St. Paul	3,000	107	Pass.	6	36	No
Chicago, Milwaukee & St. Paul	3,000	131	Fr.	14	23	No
Chicago & North-Western	3,000	125	Fr.	11	18	Yes
Chicago & North-Western	3,000	146	Fr.	12	n	Yes
Chicago & North-Western	3,000	108	Fr.	10	n	Yes
Chicago & North-Western	2,700	161	Fr.	12	27	Yes
Chicago & North-Western	2,500	146	Fr.	12	20	Yes
Chicago & North-Western	3,780	126	Pass.	5	17	Yes
Chicago & North-Western	3,300	126	Fr.	14	22	Yes
Chicago & North-Western	3,400	126	Fr.	12	22	Yes
Chicago & North-Western	n	n	(a)	10	24	Yes
Chicago, Rock Island & Pacific	2,400	137	Fr.	12	28	No
Illinois Central	2,770	162	Fr.	15	25	Yes

(a) Switch engine fireman.

TRAINMEN

Atchison, Topeka & Santa Fe	3,300	113	Fr.	12	26	No
Chicago, Burlington & Quincy	1,900	74	Fr.	14	19	No
Chicago, Burlington & Quincy	2,500	112	Fr.	14	36	No
Chicago, Burlington & Quincy	2,700	82	Fr.	13	19	No
Chicago, Burlington & Quincy	1,900	72	Fr.	6	n	No
Chicago, Burlington & Quincy	2,570	88	Fr.	11	15	No
Chicago, Milwaukee & St. Paul	1,100	103	Fr.	9	n	No
Chicago, Milwaukee & St. Paul	3,000	103	Fr.	10	22	No
Chicago, Milwaukee & St. Paul	3,000	137	Fr.	n	20	No
Chicago, Milwaukee & St. Paul	2,500	90	Fr.	10	28	No
Chicago, Milwaukee & St. Paul	2,516	84	Fr.	11	23	No
Chicago, Milwaukee & St. Paul	n	n	n	n	n	n
Chicago & North-Western	2,800	197	Fr.	18	36	Yes
Chicago & North-Western	3,300	162	Fr.	14	23	Yes
Chicago & North-Western	2,000	161	Fr.	14	20	Yes
Chicago & North-Western	5,316	150	Pass.	5	12	Yes
Chicago & North-Western	3,000	146	Fr.	12	20	Yes
Chicago & North-Western	4,000	242	Pass.	14	24	Yes
Chicago, Rock Island & Pacific	3,000	172	Fr.	13	21	No
Chicago, Rock Island & Pacific	2,800	122	Fr.	12	44	No
Illinois Central	1,900	100	Fr.	10	17	Yes
Illinois Central	1,800	135	Fr.	12	31	Yes

(n) Not reported.

IOWA—TABLE No. 1—CONTINUED

ENGINEERS—CONTINUED.

Pensioned and retired at what age?	Em-ployes age limit to begin service	Are double headers operated on the road when em-ployed?	Largest number of cars ever hauled in one train	Present rate of pay per haul-ded miles	Average monthly earnings for the year 1905	In-crease in rate of wages for 1905	Total earnings for the year 1905
.....	n	45	Yes	n	\$ 3.05	n 90	None
.....	45	Yes	n	\$ 3.20	n	None	\$ 1,080
.....	45	Yes	60	4.75	n	None	1,500
.....	n	Yes	78	n	n	None	n
.....	n	Yes	80	4.20	n 110	None	1,200

(n) Not reported.

FIREMEN

.....	35	Yes	85	\$ 3.05	\$ 80	None	\$ 1,000
.....	60	Yes	125	3.05	70	None	840
.....	28	Yes	60	2.60	60	None	720
.....	35	Yes	90	2.60	85	None	1,000
.....	33	No	76	2.30	90	None	1,128
.....	32	No	75	2.70	90	None	750
.....	n	No	70	2.60	85	None	1,000
.....	25	No	n	2.60	n	None	n
.....	35	Yes	86	2.75	n 80	n	n
.....	24	Yes	65	2.30	n 85	None	1,000
.....	35	Yes	50	2.30	n	None	n
.....	36	Yes	50	2.70	69	None	n
.....	65	Yes	65	2.70	74	44	885
.....	65	No	n	2.75	n	None	n
.....	30	Yes	50	2.70	75	None	n
.....	31	No	50	2.30	50	None	600
.....	30	Yes	100	2.35	70	104	840
.....	35	No	n	2.35	80	None	960
.....	65	Yes	n	2.50	75	None	900
.....	70	Yes	70	2.70	65	None	780
.....	36	No	70	2.70	75	None	900
.....	37	No	75	3.05	70	None	850
.....	n	Yes	70	2.65	70	None	840

(n) Not reported.

TRAINMEN

.....	35	Yes	72	\$ 2.30	\$ 85	None	\$ 1,100
.....	30	Yes	90	2.30	70	None	840
.....	30	Yes	90	2.30	65	None	780
.....	30	Yes	90	2.30	65	154	780
.....	n	Yes	n	2.30	65	None	840
.....	n	No	55	2.30	25	None	304
.....	n 37	No	79	2.30	60	None	720
.....	n	Yes	90	2.30	60	None	900
.....	n	Yes	71	2.30	60	None	720
.....	None	Yes	50	2.30	60	None	720
.....	None	Yes	38	2.50	75	None	840
.....	n	Yes	75	2.30	75	None	675
.....	n	Yes	130	2.30	75	None	900
.....	70	Yes	65	2.30	75	None	900
.....	65	Yes	70	2.43	46	None	840
.....	65	Yes	95	1.05	70	None	840
.....	65	Yes	75	2.30	69	None	760
.....	65	Yes	n	2.30	56	None	840
.....	n	Yes	58	2.65	70	None	840
.....	n	Yes	64	2.30	75	None	900
.....	n	Yes	65	2.30	40	None	600
.....	n	Yes	65	2.30	45	None	500

(n) Not reported.

RAILROAD EMPLOYEES OF IOWA—TABLE No. 3.

RAILROAD EMPLOYEES OF IOWA—TABLE No. 2.

	Number conductors reporting		Number engineers reporting		Number firemen reporting		Number trainmen reporting		Total	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Do you have difficulty in obtaining time for rest during busy seasons?.....	7	15	17	24	13	10	10	11	47	60
Are engines all equipped with double glass in front cab windows (commonly called frost glass)?.....	2	16	15	27	11	11	2	19	30	73
Are engines run over road backwards without headlights or pilots on the tenders?.....	11	9	33	8	16	7	15	6	75	30
Are double headers operated on the railway on which you are now employed?.....	17	4	37	4	18	5	19	3	91	16

ACCIDENT STATISTICS.

CONDUCTORS.

Name	Locality	Date of Accident	Cause of Accident	Result
J. H. Slattery.....	Cedar Rapids....	April 1905	Railroad accident..	Killed
J. A. Graimes.....	Sioux City.....	June 1905	Railroad accident..	Loss of arm
F. A. Webster.....	Oskaloosa.....	June 1905	Railroad accident..	Killed
C. B. Coleman.....	Mason City.....	October 1905	Railroad accident..	Killed
J. O'Neil.....	Des Moines.....	Nov. 1905	Railroad accident..	Nose broken

ENGINEERS.

G. W. Wright.....	Valley Junction	Dec. 31, 1905	Burst blood vessel	Killed
John McGregor....	Fort Madison....	Oct. 30, 1905	Railroad accident..	Killed
F. J. Minks.....	Eldon.....	Oct. 28, 1905	Railroad accident..	Killed
Wm. A. Yagon.....	Estherville.....	Sept. 28, 1905	Railroad accident..	Killed
E. Hosier.....	Creston.....	Sept. 11, 1905	Scalded in wreck...	Killed
Jas. Morris.....	Clinton.....	Aug. 17, 1905	Railroad accident..	Killed
C. K. Williams.....	Oskaloosa.....	July 14, 1905	Railroad accident..	Killed
A. H. Tyler.....	Centerville.....	June 22, 1905	Railroad accident..	Killed
Unknown.....	Laddsdale.....	Apr. 22, 1905	Railroad accident..	Shoulder dislocated
Bert H. Shields....	Valley Junction	Oct. 30, 1905	Railroad collision...	Killed
Jessie V. Long.....	Oskaloosa.....	July 14, 1905	Railroad wreck....	Killed
Harry Dike.....	Ottumwa.....	May 1, 1905	Derailment, engine	Killed
N. H. Wood.....	Creston.....	Sept. 11, 1905	Railroad wreck....	Killed
Ed Fick.....	Valley Junction	Sept. 13, 1905	Railroad collision...	Killed
Horace Davidson...	Unionville.....	July 23, 1905	Railroad wreck....	Badly burn'd
Harry Summers....	Oskaloosa.....	Oct. 15, 1905	Railroad wreck....	Killed
Geo. A. Caffall....	Oskaloosa.....	Oct. 15, 1905	Railroad wreck....	Killed

FIREMEN.

Otto Gruenberg....	Dubuque.....	Jan. 12, 1905	Railroad collision...	Killed
Wm. J. Kirby.....	Estherville.....	Jan. 30, 1905	Boiler explosion...	Killed
John F. Loudy.....	Sioux City.....	Feb. 9, 1905	Railroad collision...	Killed
C. E. Warren.....	Ottumwa.....	Apr. 1, 1905	Derailment, engine	Seriously injured
Jay W. Wheaton....	Boone.....	Apr. 22, 1905	Railroad accident...	Right foot amputated
.....	Laddsdale.....	Apr. 22, 1905	Railroad wreck....	Scalded to death
Bernard L. Ballard	Eagle Grove....	June 19, 1905	Railroad accident...	Crushed to death
Thos. A. Lilly.....	Fort Dodge.....	June 30, 1905	Concussion of brain in accident	Killed
Wm. F. West.....	Oskaloosa.....	July 14, 1905	Derailment, engine	Killed
James Mesher.....	Unionville.....	July 23, 1905	Railroad wreck....	Badly scalded (recovered)
Charles Berry.....	Boone.....	Sept. 7, 1905	Railroad accident...	Amputation of left hand
.....	Centerville.....	July 22, 1905	Railroad wreck....	Killed
Frank Rogers.....	Iowa City.....	Sept. 30, 1905	Railroad wreck....	Killed
Milo C. Sands.....	Cedar Rapids....	Oct. 5, 1905	Railroad collision...	Killed
Geo. Cramer.....	Boone.....	Oct. 5, 1905	Fell between engine and tender.	Killed
Harry Barr.....	Oskaloosa.....	Oct. 15, 1905	Railroad wreck....	Killed
Ed Nelson.....	Valley Junction	Oct. 30, 1905	Railroad collision...	Killed
Wm. Marshall.....	Valley Junction	Oct. 30, 1905	Railroad collision...	Killed

ACCIDENT STATISTICS—Continued.

SWITCHMEN.

Name	Locality	Date of Accident	Cause of Accident	Result.
Chas. W. Johnson.	Cedar Rapids...	Mar. 6, 1905	Run over by engine	Killed
Fred W. Nutting...	Red Oak.....	July 21, 1905	Accidental discharge of gun	Killed
John S. Stacey.....	Marion.....	July 4, 1905	Fell under cars	Loss of right foot
C. A. Brown.....	Cedar Rapids...	July 17, 1905	Coupling cars	Loss of left hand
Chas. Romig.....	Cedar Rapids...	July 27, 1905	Struck in head while switching	Killed
Herman P. Siddell	Clinton.....	Oct. 20, 1905	Run over in yards	Killed
Seth R. Brown.....	Clinton.....	Oct. 26, 1905	Run over in yards	Killed
Martin True.....	Centerville...	Nov. 13, 1905	Crushed between cars	Killed
Martin Hitchcock..	Centerville...	Nov. 13, 1905	Crushed between cars	Killed
*Joseph L. Burch...	Pt. Madison....	Nov. 24, 1905	Fell under train	Killed
Chas. W. LaFrenz...	Davenport.....	Dec. 6, 1905	Caught between cars	Killed

* Car repairer.

TRAINMEN.

W. L. Rhoades....	Fort Dodge.....	Jan. 8, 1905	Railroad accident	Right arm amputated
W. L. Carpenter...	Belle Plaine....	Mar. 3, 1905	Run over by cars	Killed
C. O. Hunt.....	Valley Junction	Mar. 22, 1905	Railroad accident	Left arm amputated
J. W. Alderson....	Creston.....	Mar. 22, 1905	Railroad accident	Right leg amputated
E. C. Hilton.....	Creston.....	Apr. 15, 1905	Struck by passenger train	Killed
E. J. Aitchison....	Oskaloosa.....	June 7, 1905	Run over by engine	Killed
W. L. Watson.....	Oskaloosa.....	June 16, 1905	Run over by engine	Killed
T. A. Nutt.....	Clinton.....	June 24, 1905	Run over by car	Killed
G. F. Lodge.....	Dubuque.....	June 29, 1905	Fell from train	Killed
S. T. Woolsey.....	Oskaloosa.....	July 14, 1905	Railroad wreck	Killed
John Norton.....	Clinton.....	July 15, 1905	Run over by cars	Killed
Eugene Martin....	Centerville...	July 22, 1905	Railroad wreck	Killed
E. A. Trexly.....	Sanborn.....	July 31, 1905	Run over by cars	Killed
D. L. Harkness....	Estherville...	Aug. 30, 1905	Run over by cars	Killed
H. W. Harmon....	Boone.....	Apr. 24, 1905	Crushed between coaches	Killed
C. F. Jenks.....	Carroll.....	Sept. 15, 1905	Run over by cars	Killed
T. W. Golden.....	Council Bluffs	Sept. 22, 1905	Run over by engine	Killed
E. Stoner.....	Belle Plaine....	Oct. 1, 1905	Run over by cars	Killed
P. T. Morgan.....	Oskaloosa.....	Oct. 15, 1905	Railroad wreck	Killed
J. W. Kirkendall..	Creston.....	Oct. 16, 1905	Crushed between cars	Killed
Frank Johns.....	Valley Junction	Oct. 30, 1905	Railroad collision	Killed
F. D. Thayer.....	Ottumwa.....	Dec. 6, 1905	Foot caught in frog	Killed
E. W. Griffith.....	Cedar Rapids...	Dec. 13, 1905	Run over	Killed
S. I. Cooper.....	Carroll.....	Dec. 16, 1905	Railroad accident	Right foot amputated
			Struck by engine	Killed

RAILROAD EMPLOYEES OF IOWA—TABLE No. 4.

ACCIDENTS TO PERSONS IN IOWA.

Year	Killed			Injured		
	Passengers	Employees	Others	Passengers	Employees	Others
1878	20	29	31	51	137	35
1879	15	42	40	12	103	39
1880	7	37	28	9	140	34
1881	7	30	69	60	5/2	72
1882	4	23	65	25	255	60
1883	6	72	51	47	343	59
1884	9	72	75	89	720	66
1885	8	61	62	15	536	74
1886	8	59	65	28	334	56
1887	10	101	69	77	564	45
1888	4	35	33	35	445	46
1889	9	73	69	67	619	101
1890	5	82	91	80	601	52
1891	23	80	76	64	518	77
1892	17	81	79	78	682	84
1893	7	46	90	62	567	74
1894	4	47	82	39	530	84
1895	6	36	94	62	411	86
1896	27	40	90	81	591	70
1897	5	44	114	80	501	123
1898	14	62	95	101	345	123
1899	9	70	143	35	419	126
1900	7	65	131	104	636	142
1901	9	64	120	194	853	139
1902	7	100	143	169	1031	147
1903	12	90	113	201	1419	128
1904	7	74	109	146	1376	190
1905						

The following remarks by railroad men indicate definitely and clearly their views on important matters governing their employment, and is information of a character that merits publicity.

ENGINEERS.

ENGINEER.—Centerville. Our bridges are not properly inspected, and I think the Burlington Relief an imposition.

ENGINEER.—Clarion. We have long divisions where hours required on duty are altogether too long. I think this should be regulated by law, so as not to exceed twelve hours on duty.

ENGINEER.—Council Bluffs. It would be well to put a stop to Division Superintendents, trainmasters and chief dispatchers receiving a percentage of the earnings on the tonnage hauled, as they go beyond the limit of safety in getting trains over their divisions. They keep the expense account down to the detriment of the road and the safety of the traveling public in order to make a showing with the general officials. I know of wrecks and accidents that have happened by this kind of work. It works a hardship on men in the service and in time it will work out the same as on the coal roads in the east, every official will be filling his pocket to the detriment of the public and the men in the train service.

ENGINEER.—Fort Madison. The Railroad Commission should look into the condition of compound engines used by the railroads, and the disadvantages under which engineers have to work arising from the escaping of steam from engines, thus obstructing the vision of the men operating them. They should also look into the condition of boilers caused by neglect to wash out where bad water is used, and where water is treated with chemicals to prevent scale. This often makes it dangerous to life as it is almost impossible to tell the water level on account of foaming of the boilers.

ENGINEER.—Ottumwa. Railroad men are often required to work sixteen hours on a trip, in addition to one and one-half hours before starting and one hour at end of run making out reports, etc., for which no pay is allowed. This is an imposition.

ENGINEER.—Valley Junction. We are often called one and one-half hours before leaving time, and usually spend one hour at the end of run looking engine over, registering and making out work reports, for which no pay is allowed. Pay should cover all such time consumed on the trip.

ENGINEER.—Ottumwa. The condition of railroad men can be improved by providing reading rooms, baths, etc., near terminal yards, so that men will have comfortable places to stay between trips. The railroad Y. M. C. A. is doing a noble work at a number of terminals in different parts of the country, and should receive more help wherever it can be obtained in a legitimate way. These places are kept clean and healthy and are a great benefit to the men when away from home. A clean meal is furnished at a small cost, and a clean comfortable place is provided in which to sleep.

FIREMEN.

FIREMAN.—Boone. If the hours of enginemen and trainmen in freight service could be reduced to ten hours per trip the safety of the traveling public would be greatly increased, as well as that of the employees, and the company's property would receive better care. No man can give good service after ten hours hard labor.

TRAINMEN.

TRAINMAN.—Belle Plaine. Shorter hours on the road are necessary for the safety of the traveling public as well as employees. Twelve to eighteen hours on the road making ten miles per hour with irregular sleeping hours while on duty, make a man unfit for heavy responsibility.

TRAINMEN.—Creston. I think we need some help from the Legislature toward bettering our train service, we have to haul such long heavy trains that it is impossible to get over the divisions within a reasonable length of time. The company requires such heavy tonnage hauled that the draw bars can not stand the strain and often pull out resulting in a dangerous job of chaining cars together. Local officials are all anxious to make a big showing in their monthly tonnage, so that we can get no help from them. I think there ought to be a limit of fifty cars to the length of freight trains.

TRAINMEN.—Fort Madison. If the railroads of this country would keep the old and experienced men in service instead of employing a lot of boys as they are now doing, I as well as other experienced men know that there would be fewer wrecks, and the public would get better service from the railroads.

TRAINMAN.—Ottumwa. Trains are hauled out of terminals with cars chained together, and trainmen are compelled to take trains over the road equipped only with hand brakes in case of air brake failures, which is a dangerous practice, but we have to do this or lose our job.

TRAINMAN.—Sioux City. Men of good record and experience should be given employment in preference to students regardless of age.

EMPLOYERS' STATISTICAL REPORT.

In the preceding biennial report this inquiry was omitted on account of an arrangement authorized by the legislature for co-operation with the United States Census Bureau, in taking the Census of Iowa manufactures for 1904. The reason for the omission was that much of data furnished the census would be the same as that included in this inquiry and it was therefore decided to ask only the one report of employers in that year. The inquiry is resumed for 1905, in a somewhat modified, and we believe improved form.

In table No. 1 under this head will be found data furnished by the employers in 882 establishments, in 66 counties of the State, in which 35,551 persons were employed, including as wage workers 29,488 men, women and children, and as salaried employes, managers, superintendents, clerks, etc., 6,063 men and women.

The table is arranged by counties, giving character of industry, number of establishments reporting, number of men, women and children employed in establishments engaged in the various industries, hours worked per day, days in operation during 1905, increase or decrease in wages during the year, with number of persons affected by increase or decrease, the amounts paid out in wages to men, women and children, and the amount paid out collectively.

In connection with salaried employes the amount paid out in salaries to men and women is given, also total amount paid.

Table No. 2 gives a summary by counties of data given in table No. 1, and shows that the 29,488 persons employed as wage workers in the 882 establishments, earned during the year 1905 the sum of \$14,576,187, divided as follows: By the 24,060 men over 16 years of age \$13,245,837, or 91 per cent of the whole amount; by the 4,645 women over 16 years of age \$1,202,047, or 8 per cent, and by the 783 children under 16 years of age \$128,303, or 1 per cent of the whole amount.

The average annual earnings of men over 16 years of age was \$550.53, by the women over 16 years of age \$258.78, and by children under 16 years of age \$163.86.

The total amount reported as being paid to 6,063 salaried employes, such as managers, superintendents, clerks, etc., was \$4,655,432, divided as follows: The 4,638 men received \$4,045,538, or 87 per cent of the total amount, and the 1,425 women received \$609,894, or 13 per cent. The average annual salary received by men was \$872.26 and by women \$427.99.

The average number of persons employed in each of the 882 establishments was 40, the average hours worked per day 9.95, and the average number of days per year 298.

The average increase of pay covering the 4,677 persons affected by increase was 8.64 per cent.

EMPLOYERS' STATISTICAL

REPORT—TABLE No. 1.

Marginal No.	Character of Industry	Number of establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of increase	Per cent of decrease
ADAMS									
1	Cheese making	1	2			10	310	0	0
2	Flour and feed milling	1	3			10	310		
ALLAMAKEE									
3	General merchandise	1					310		
4	Stone quarry	1	7			10	192		
APPANOOSE									
5	Building brick mfg.	1	12			9	250	0	0
6	Bottling works	1	3			10	310		
7	Flour milling	1	5			11	240	0	0
8	Gas, elec. light and power	1	11			11	305	0	0
9	Grocery, retail	1	10		2	11	312	0	0
10	Locomotive and car rep'g	1	37			10	265		
11	Printing and publishing ..	1	3	4		9	312	5%	
12	Telephone exchange	1				10	365		
BENTON									
13	Locomotive and car rep'g	1	148			10	365	0	0
14	Printing and publishing ..	1				9	304	15%*	
15	Retail dry goods	1					312		

*Two printers received increase.
0 Indicates no change.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employees					Marginal No.
Adult males	Adult females	Children under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Women	Men	Women	Total	
COUNTY									
\$ 960.00			\$ 960.00					\$ 800.00	1
1,405.00			1,405.00	2		1,200.00		1,200.00	2
COUNTY									
\$ 2,313.00			2,313.00	6	3	2,880.00	\$ 900.00	\$ 3,780.00	3
				1		650.00		650.00	4
COUNTY									
\$ 3,816.00	\$ 800.00	\$ 2,816.00	1			\$ 1,200.00	\$ 800.00	\$ 1,200.00	5
2,500.00		2,500.00	1			800.00		800.00	6
2,450.00		2,450.00		2	2	1,700.00	800.00	2,500.00	7
6,000.00		6,000.00		2	1	1,800.00	540.00	2,400.00	8
5,200.00		442.00		2	2	1,300.00	827.00	2,747.00	10
21,841.00		21,841.00		2					11
1,300.00	1,000	2,300.00		4	7	2,940.00	1,740.00	4,080.00	12
COUNTY									
\$ 85,133.00		\$ 85,133.00	6			\$ 4,800.00	\$ 1,000.00	\$ 4,800.00	13
			2	4		1,200.00	1,000.00	2,200.00	14
			5	3		2,792.00	982.00	2,774.00	15

EMPLOYERS' STATISTICAL

Marginal No	Character of Industry	Number of establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of Increase	Per cent of Decrease
16	Acetylene generators mfrs	1	5	5	.....	10	302	0	0
17	Agricultural imp. jobbers	1	7	5	.....	10	310	0	0
18	Candy manufacturers	1	5	12	.....	9	308	10s	0
19	Carriages and vehicles manufacturers	1	43	3	.....	10	310	8s	.....
20	Coffee, tea and spice jobbers	1	5	2	.....	10	308	.....	.....
21	Cooling rooms and butchers' supplies manufacturers	1	26	2	.....	10	303	10s	.....
22	Cream separators mfrs	1	27	.....	.....	10	300	.....	.....
23	Drugs and stationery	1	.....	.....	.....	15	365	.....	.....
24	Farm machinery mfrs.	1	10	.....	.....	10	310	5s	.....
25	Gas and elec. current mfrs	1	39	.....	.....	12	365	0	0
26	Grinders and imp. mfrs	1	10	.....	.....	10	310	10s	.....
27	Hardware specialties mfrs.	1	21	.....	1	10	294	10s	.....
28	Hotel	1	.....	.....	.....	10	310	.....	.....
29	Laundry	1	7	25	.....	10	310	15s	.....
30	Locomotive and car repairing	1	428	.....	.....	8	365	0	0
31	Overalls, coats and trousers mfrs.	1	.....	18	.....	10	250	5s	.....
32	Pork packing	1	37	5	.....	10	310	.....	.....
33	Skirts and garments mfrs	1	87	.....	.....	10	305	0	0
34	Steel gates mfrs	1	10	1	.....	10	310	15s	.....
35	Street railway	1	68	.....	.....	12	365	0	0
36	Printing and publishing	1	12	3	.....	9	310	.....	.....
37	Sash and doors mfrs	1	83	.....	.....	10	300	10s	.....
38	Tent and awnings	1	3	6	.....	10	310	12s	.....
39	Water works	1	6	.....	.....	12	365	.....	.....
40	Wholesale grocery	2	12	.....	.....	10	310	0	.....

K HAWK

BOONE									
41	Blankbooks and printing	1	10	9	9	300	0	0	
42	Bottling works	1				10	310		
43	Brick and tile mfrs	1	9			9	250	0	
44	Buggies and farm machinery	1	7			10	310	0	0
45	Dry goods retail	1				10	310		
46	Flour and cereal milling	1	38	17		12	300		
47	Hardware and vehicles	1	1			10	310	0	0
48	*Hotel	1				310	0	0	
49	Locomotive and car repairing	1	158			8	300	0	

0 indicates no change.

* Employees in hotel are allowed room and board in addition to salaries.

BREMER

50	Butter tubs mfg.....	1	16	.....	10	240	10%	.....
51	Printing.....	1	3	.....	10	305	10%	.....
52	Sash door and mill work..	1	8	1	10	150	0	0

REPORT—CONTINUED.

[illegible]

COUNTY.

\$ 2,416.00	\$ 2,416.00	2	\$ 1,500.00	\$ 1,500.00	16
2,450.00	2,100				17
2,670.00	2,110	2	1,560.00	1,560.00	18
23,000.00	800	23,800.00	1 2 1,080.00	1,000.00 2,080.00	19
2,500.00	600	3,100.00	8 1 9,750.00	468.00 10,218.00	20
13,452.00	900	13,353.00	2 2 2,100.00	832.00 2,932.00	21
14,776.00		14,776.00	1 1 2,892.00	271.00 3,163.00	22
30,000.00	16,000.00	15 8 1 3,300.00	644.00 3,944.00	23	
15,000.00	15,000.00	9 8 10,500.00	3,200.00 13,700.00	24	
5,200.00	5,200.00	1 2 11,500.00	12,300.00 23,800.00	25	
6,750.00	150.00	9 1 1,260.00	490.00 1,690.00	26	
5,460.00	8,560	2 1 2,520.00	2,690.00 5,210.00	27	
		13,780.00			28
208,710.00		208,765.00	29 1 19,814.00	540.00 19,854.00	29
	4,200	4,200.00	2 2 2,560.00	1,040.00 2,560.00	30
24,560.00	1,000	25,560.00	11 4 6,374.00	2,256.00 9,120.00	31
28,053.00		28,053.00	29 1 21,691.00	1,800.00 23,491.00	32
4,500.00	365	4,865.00	2 4 2,500.00	2,100.00 4,600.00	33
36,000.00		7,240.00	3 4 2,500.00	2,100.00 4,600.00	34
33,000.00	1,400	3,000.00	7 4,400.00		35
2,400.00	1,260	3,660.00	9 1 6,362.00	500.00 7,362.00	36
2,224.00		2,224.00	5 5 55,471.00	2,092.00 58,063.00	37
6,578.00		6,578.00			38

COUNTY.

\$ 5,957.00	\$ 1,993.00	\$ 7,952.00	\$ 2,650.00	\$ 2,650.00	\$ 2,650.00	\$ 2,650.00
3,600.00		3,600.00				
3,000.00		3,000.00				
16,419.50	3,150.00	19,578.50	2,340.00	2,320.00	6,190.00	
		628.00	2,765.00	250.00	3,354.00	
			4 2	1,050.00		
			8 10	2,840.00	3,000.00	
99,958.00		99,958.00	17	11,964.00	11,964.00	

COUNTY.

[illegible]

EMPLOYERS' STATISTICAL

REPORT—CONTINUED.

Marginal No.	Character of Industry	Number of establishments reporting	Average number of wage-earners for 1935			Hrs. worked per day	Days in operation during 1935	Changes in Wages in Per Cent for Year 1935	
			Adult males	Adult females	Children under 16			Per cent of increase	Per cent of decrease
BUCHANAN									
53	Eggs and butter packing.....	1	5			10	310	0	0
54	Wholesale garden seeds.....	1	6	7		10	313	10%	
55	Wholesale groceries.....	1				10	300		
CASS									
56	Brick and tile mfg.....	1	8			10	212		
57	Bridge and iron works.....	1	22			10	310	5s	
58	Flour and feed milling.....	1	7			11	300		
59	General merchandise.....	1				10	309		
CERRO GORDO									
60	Brick and tile mfg.....	3	154			10	300	10%	
61	Bottling works.....	1	2	1		10	310		
62	Electric light, heat and gas	1	29			10	365		
63	Grain, lumber and coal.....	1	5			10	310		
64	Laundry.....	2	12	25		10	308		
65	Lime and building material	1	7			10	292	0	0
66	Oils and greases.....	1				10	309		
67	Pork and beef packing.....	1	31			10	310	0	0
68	Printing and publishing.....	2	30	7		8	308	0	0
69	Telephone exchange.....	1	26			10	310	0	0
70	Wholesale fruit.....	1				10	310	5s	
CHEROKEE									
71	Farm machinery mfg.....	1	6	2		10	160	10s	
72	Hardware, retail.....	1	1			10	315	5s	
CLAYTON									
73	Brick mfrs.....	1	11			10	240	0	0
74	Excelsior mfrs.....	1	12			10	300		
75	General merchandise.....	1				10	300	0	0
76	Pearl button blanks mfrs.....	1	105		12	10	275	0	0
77	Saw mill.....	1	74			10	300	0	0
CLINTON									
78	Bakery.....	1	3			10	310	10s	
79	Bottling works.....	1	2			10	310	0	0
80	Boxes mfg.....	1	60			9	300	0	0
81	Brewery.....	1	16			10	313	*20s	
82	Cigars mfrs.....	1	2	1		8	310		
83	Coal, flour and building material	1	16			10	300	0	0
84	Confectionery mfg.....	1	3	7		10	300	0	0
85	Crackers and cookies mfg.	1	16	12		10	290	0	0
86	Dry goods, retail.....	2				10	312	0	0
87	Furniture and mattresses mfg.	1	19	2		8	300	0	0

Total Amount Paid in Wages during the year 1935 to				Superintendents, managers, clerks and other salaried employes					Marginal No.
Adult males	Adult fe- males	Child- ren under 16	Total	Number		Total Amount Paid in Salaries during the year 1935			
				Men	Wo- men	Men	Women	Total	
COUNTY.									
\$ 2,109.00			\$ 2,109.00	1	1	\$ 900.00		\$ 900.00	53
1,800.00	2,250		4,050.00	3	4	3,000.00	\$ 1,800.00	4,800.00	54
				6	2	3,720.00	720.00	4,440.00	55
COUNTY.									
\$ 2,380.00			\$ 2,380.00		1		\$ 300.00	\$ 300.00	56
12,000.00			12,000.00						57
6,000.00			6,000.00						58
				7	7	1,870.00	1,122.00	2,992.00	59
COUNTY.									
\$ 83,250.00			\$ 83,250.00	3	1	\$ 3,300.00	\$ 600.00	\$ 3,900.00	60
630.00	194		824.00	1		1,040.00		1,040.00	61
14,200.00			14,200.00	2	2	2,760.00	1,380.00	4,140.00	62
3,640.00			3,640.00						63
7,585.00	7,122		14,707.00						64
3,069.00			3,069.00	1		600.00		600.00	65
26,550.00			26,550.00	3	1	2,580.00		2,580.00	66
16,550.00	2,820		19,370.00				600.00	600.00	67
14,086.00			14,086.00	13	35	11,322.00	7,448.00	18,770.00	68
				8	1	5,520.00	420.00	5,940.00	70
COUNTY.									
\$ 2,000.00	400		\$ 2,400.00	2		\$ 2,000.00		\$ 2,000.00	71
516.00			516.00	1		750.00		750.00	72
COUNTY.									
\$ 2,862.00			\$ 2,862.00			\$ 728.00		\$ 728.00	73
4,224.00			4,224.00	6	1	3,240.00	\$ 360.00	3,600.00	74
39,187.00	\$ 3,453		42,640.00	1	1	906.00	312.00	1,218.00	75
29,708.00			29,708.00	1	1	780.00	480.00	1,260.00	77
COUNTY.									
\$ 1,720.00			\$ 1,720.00						78
1,000.00			1,000.00						79
25,000.00			25,000.00	2	1	2,400.00	360.00	2,760.00	80
9,093.00			9,093.00	5		6,000.00		6,000.00	81
1,000.00	\$ 130		1,130.00						82
8,132.00			8,132.00	1		720.00		720.00	83
1,000.00	1,651		2,651.00	3	1	2,140.00	305.00	2,445.00	84
9,275.00	3,100		12,375.00	4	2	8,400.00	808.00	9,208.00	85
				19	33	10,689.00	12,372.00	23,061.00	86
3,792.00	404		4,196.00						87

EMPLOYERS' STATISTICAL

Marginal No	Character of Industry	Number of establishments reporting	Average number of wage-earners for 1905			Days in operation during 1905	Changes in Wages in Per Cent for Year 1905		Marginal No.
			Adult males	Adult females	Children under 16		Per cent of increase	Per cent of decrease	
88	Hardware, wholesale and retail.....	1	9			10	310	a20%	88
89	Ladies garments mfg.....	1	5	20		9	310		89
90	Laundry.....	1	10	17		10	310		90
91	Locks and builders hardware mfg.....	1	92	19	8	10	310	0	91
92	Locomotive and car repairing.....	1	321			8	306	0	92
93	Lumber, lath and shingle mfg.....	1	117			10	300	0	93
94	Meat and produce.....	1				10	365		94
95	Paper mache works.....	1	4	13		9	306	0	95
96	Planing mill.....	1	81	2		10	300	5%	96
97	Printing, job.....	1	5	2		9	309		97
98	Printing and publishing.....	1	2	1		9	310		98
99	Sash, doors and blinds mfg.....	2	365	21		10	297	(b) 5%	99
100	Spring beds mfrs.....	1	11	4		10	302		100
101	Steam boat machinery mfg.....	1	29			10	313	0	101
102	Steel bridge and iron works.....	1	79			10	310	(c) 10%	102
103	Telephone exchange.....	1	5	17		10	365	0	103
104	Wholesale drugs and cigars.....	1				9	312	0	104
105	Wholesale groceries.....	1				10	310	0	105

* Five employees affected. (a) Three employees affected. (b) 125 employees effected.

CRAWFORD

106	Brick mfg.....	1	13	2	10	150			106
107	Flour milling.....	2	8		10	275	0	0	107
108	Gas light and water works.....	1	2		10	365	0	0	108

DALLAS

109	Brick and tile mfg.....	3	62		10	240	a5%		109
110	Flour milling.....	1	5		10	180	0	0	110
111	General groceries.....	1	12	2	10	310	0	0	111

* Ten men affected.

DES MOINES

112	Bakery.....	1	7	1	10	312	0	0	112
113	Baskets mfg.....	1	62	30	10	285	(a) 7½%		113
114	Boxes mfg.....	2	16	14	10	310	3%		114
115	Brewery.....	2	25		10	311	(b) 4½%		115
116	Brass foundry.....	1	3		9	263			116
117	Butter, eggs and produce.....	2	34	1	10	312	0	0	117
118	Carpets and rugs, cleaned and mfg.....	1	5	5	10	300			118
119	Cigars mfg.....	4	139	24	8	310	0	0	119
120	Coopering.....	1	16	24	9	250	0	0	120
121	Drugs and paints, retail.....	1			10	310	0	0	121
122	Dry goods, retail.....	1			10	310	0	0	122
123	Furniture mfg.....	1	162	16	20	310			123
124	Foundry and mach. shop.....	1	365		10	310	(c) 5%		124
125	Hardware and furnaces.....	1	6		10	310			125

0 Indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employees						Marginal No.
Adult males	Adult fe- males	Child- ren under 16	Total	Number		Total Amount Paid in Salaries during the year 1905				
				Men	Women	Men	Women	Total		
-CONTINUED-										
\$ 5,808.00			\$ 5,808.00	8	1	\$ 5,802.00	\$ 600.00	\$ 6,402.00	88	
1,820.00	9,765		11,585.00				550.00	550.00	89	
5,300.00	7,280		12,480.00						90	
28,635.00	4,440	\$ 2,124	45,199.00	4	1	3,642.00	300.00	3,942.00	91	
202,065.00			202,065.00	24		17,478.00		17,478.00	92	
52,555.00			52,555.00	5	1	5,802.00	480.00	6,282.00	93	
5,138.00	5,460	2,330	10,927.00		2		676.00	676.00	95	
38,603.00		400	39,003.00						96	
3,480.00	312		3,792.00						97	
1,240.00	308		1,448.00						98	
167,706.00		7,200	174,906.00	25	4	32,478.00	1,560.00	34,038.00	99	
5,115.00		539	5,654.00				360.00	360.00	100	
13,901.00			13,901.00	3	1	2,628.00		2,628.00	101	
36,400.00			36,400.00	5	2	5,100.00	708.00	5,808.00	102	
2,040.00	3,420		5,460.00	1	2	1,200.00	900.00	2,100.00	103	
				32		20,480.00		20,480.00	104	
						7,000.00		7,000.00	105	

(c) Eight employees affected.

COUNTY.

\$ 3,700.00		\$ 125	\$ 3,825.00						106
4,410.00			4,410.00						107
1,080.00			1,080.00						108

COUNTY.

\$ 16,400.00			\$ 16,400.00	4		\$ 3,000.00		\$ 3,000.00	109
2,180.00			2,180.00	1		1,000.00		1,000.00	110
5,900.00		\$ 600	5,900.00	1		1,200.00		1,200.00	111

COUNTY.

\$ 4,100.00	\$ 260		\$ 4,360.00			\$ 6,864.00	\$ 300.00	\$ 7,264.00	112
16,736.00	9,000		25,736.00	10		2,000.00		2,000.00	113
5,632.00	4,000		10,632.00	2		8,140.00		8,140.00	114
15,328.00			15,328.00	7		1,560.00		1,560.00	115
1,500.00			1,500.00	2					116
15,466.00	259		15,725.00	1	1	900.00	336.00	1,236.00	117
			3,450.00						118
2,350.00	1,100		3,450.00						119
70,531.00	6,860		77,391.00	5		5,300.00		5,300.00	120
7,000.00			7,000.00						121
				6	1	300.00		300.00	122
				37	9	29,138.00	3,558.00	32,696.00	123
66,086.00	2,758	5,507	74,346.00	39		32,265.00		32,265.00	124
217,406.00			217,406.00	4	3	1,860.00		1,860.00	125
3,450.00			3,450.00	2		1,263.00		1,263.00	126

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Num-ber estab-lish-ments re- port- ing	Average number of wage-earners for 1905			Hrs. work- ed per day	Days in op-er-ation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of In-crease	Per cent of De-crease
DES MOINES									
126	Laundry	1	6	16		10	308	0	0
127	Light and heating, gas	1	49			18	365		
128	Locomotive and car rep'g	1	557	1		10	308	(d) 12	
129	Mens' garments mfg.	1	3	29		9	290	0	0
130	Monuments and building stone mfg.	1	35			8	319	0	0
131	Office desks mfg.	1	136			10	308	20	
132	Opera house	1	4			9	310	0	0
133	Pipe organs mfg.	1				9	252		0
134	Plumbing and heating	2	18			9	310		
135	Printing and binding	1	10		5	10	310	10	
136	Printing and publishing	1				8	312	0	0
137	Saddlery and harness	1	79			10	310	5	
138	Sawmill	1	253			10	300	0	0
139	Seeds cultivated and sold	1				9	310	0	0
140	Soap mfg.	1	24	15		9	304	0	0
141	Telegraph	1				10	365	0	0
142	Wholesale groceries	2	37	8		10	310	0	0
143	Wholesale hardware	2	12			10	310	(e)	0
144	Wholesale tea, coffee and spices	1				10	319	0	0

(a) affected thirty-five employees. (b) affected five employees. (c) affected seven employees. (d) affected 115 employees. (e) four employees received an increase of \$300 per year.

DUBUQUE

145	Bakery	2	11	2		12	300	0	
146	Boats and boilers mfg.	1	25	1		10	308	0	0
147	Boiler and sheet iron wks.	1	6			10	308	0	0
148	Boxes and crates mfg.	1	12			10	310	10	
149	Brewery	1	163	27		10	312	0	0
150	Brick mfg.	1	18			11	300	0	0
151	Brooms mfg.	1	9	2		10	302	0	0
152	Carriages mfg.	1	22			10	306	(a) 15	
153	Caskets, robes and linings mfg.	1	38	10		10	308	0	0
154	Church furniture and statuary mfg.	1	56			10	290	(b) 15	
155	Cigars mfg.	4	21	154		9	308	(c) 15	
156	Confectionery mfg.	1	24	47		10	300	(d) 5	
157	Crockery and glassware, retail	1	10			10	310		
158	Cut stone work	1	11			8	250	9	
159	Electric light and power	1	87			12	265		
160	Excelsior mfg.	1	29			10	310		
161	Flour and feed milling	1	10			10	300	0	0
162	Freight and transfer	1	35			10	310	0	0
163	Fuel and building material	1	30			10	310	15	
164	Fur dressing and skinning	1	7	7		10	300		
165	Furnishings, ladies and gents	1				10	310		
166	Furniture and store fixtures mfg.	1	42			10	300	(e) 5	
167	Hardware, retail	1				9	309		
168	Horse col's. and pads mfg.	1	8			10	285	10	
169	Laundry	1	5	7		10	310	10	
170	Lumber	2	303			10	310	(g) 10	
171	Machinery, hardware and automobiles mfg.	1	154			10	310	0	0

0 indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employes					Marginal No.
Adult males	Adult females	Children under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Women	Men	Women	Total	
COUNTY—CONTINUED.									
\$ 2,881.00	\$ 8,845		\$ 7,829.00	1	2	\$ 900.00	\$ 529.00	\$ 1,429.00	126
18,938.00			18,938.00	1		7,792.00		7,792.00	127
201,165.00	192		201,165.00	47		41,700.00		41,700.00	128
1,475.00	8,415		9,890.00	1		1,300.00		1,300.00	129
24,000.00			24,000.00						130
59,701.00			59,701.00	4	1	4,680.00	480.00	5,160.00	131
				6	2	2,160.00	1,680.00	3,840.00	132
						2,085.00		2,085.00	133
1,085.00			1,085.00			1,404.00		1,404.00	134
18,462.00	2		18,462.00	2		4,100.00		4,100.00	135
19,642.00			19,642.00	3		590.00		590.00	136
5,805.00	1,600	8 822	8,227.00	20	5	35,997.00	1,788.00	37,785.00	137
						948.00		948.00	138
35,630.00			35,630.00	10	2	3,436.00		3,436.00	139
109,267.00			109,267.00	3	2	2,500.00	1,400.00	3,900.00	140
				5	2	5,280.00	1,080.00	6,360.00	141
			10,026.00	11	2	4,900.00		4,900.00	142
12,588.00	9,518		22,106.00	65	10	56,621.00	3,020.00	59,641.00	143
17,060.00	1,580		18,640.00	36	4	36,300.00		36,300.00	144
5,794.00			5,794.00	8	1	5,000.00	182.00	5,182.00	145

twenty per cent of employees. (d) affected 115 employees. (e) four employees received an increase of \$300 per year.

COUNTY.

6,494.00	562		7,056.00			2,640.00		2,640.00	145
11,369.00	480		12,419.00			800.00		800.00	146
2,820.00			2,820.00	1		1,400.00		1,400.00	147
6,000.00			6,000.00	2	7	40,000.00		40,000.00	148
55,900.00	7,150		62,050.00	2		600.00		600.00	149
5,000.00			5,000.00	1	1	900.00		900.00	150
6,493.00			6,493.00	1	1	3,500.00	508.00	4,008.00	151
11,852.00			11,852.00					3,600.00	152
19,200.00	2,340		21,540.00	1	1	720.00	620.00	1,340.00	153
						4,200.00		4,200.00	154
28,343.00	4	2	28,343.00	4	2	8,570.00	364.00	8,934.00	155
11,682.00	31,483		43,165.00	5	1	2,400.00		2,400.00	156
8,220.00	8,643		16,863.00					1,550.00	157
				17	6	10,750.00	1,800.00	12,550.00	158
6,000.00			6,000.00	35	3	25,700.00	1,020.00	27,720.00	159
60,000.00			60,000.00			2,225.00	480.00	2,705.00	160
9,002.00			9,002.00			6,000.00		6,000.00	161
6,500.00			6,500.00	3	1	1,028.00	416.00	1,444.00	162
17,807.00			17,807.00	2	1	1,380.00	260.00	1,640.00	163
12,500.00			12,500.00					4,436.00	164
3,804.00	2,001		5,805.00					2,400.00	165
				5	8	2,406.00	1,940.00	4,346.00	166
				5		2,400.00		2,400.00	167
21,288.00			21,288.00	5		2,907.00		2,907.00	168
3,418.00			3,418.00	1		1,300.00		1,300.00	169
				2		19,265.00	900.00	20,165.00	170
109,084.00	1,615		109,084.00	17	2	10,000.00	8,000.00	18,000.00	171
80,000.00			80,000.00						

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Num- ber estab- lish- ments re- port- ing	Average number of wage-earners for 1905			Hrs. work- ed per day	Days in op- era- tion dur- ing 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult fe- males	Child- ren un- der 16			Per cent of in- crease	Per cent of de- crease
DUBUQUE									
172	Machine shop	1	7			10	310	0	0
173	Mattresses and spring beds mfg.	1	30	6		10	310	0	0
174	Meat and produce	1				9	300	0	0
175	Mercantile agency	1				10	310	0	0
176	Pork packing	2	21			10	300 (h) 10%		
177	Printing and binding blank books	1	8	2		8 1/2	307 (d) 6%		
178	Printing, job	1	7	1		8 1/2	319 10%		
179	Printing and publishing ..	3	110	15	87	8	310	0	0
180	River crafts mfg.	1	46			10	300 (j) 15%		
181	Sash, door, etc., mfg.	1	309		23	10	255 (k) 10%		
182	Soap and washing com- pounds manufacturing ..	1	19	7		10	332 (l) 10%		
183	Steam boilers, tanks, etc., manufacturing	1	10			9	310	0	0
184	Stone quarrying and con- tracting	1	16			12	305	0	0
185	Telegraph	1	9	19		10	310	0	0
186	Tobacco manufacturing ..	1	16			10	311 (m) 10%		
187	Turbine roller mills and sifters manufacturing ..	1	75	18		10	300	0	0
188	Undertakers' sup. mfg.	1				10	310	0	0
189	Wholesale biscuits	1				10	310	0	0
190	Wholesale boots and shoes	1				10	310	0	0
191	Wholesale coffee, tea and spices	1	8	2		10	310	0	0
192	Wholesale dry goods and notions	1	11	107	15	10	310	0	0
193	Wholesale liquor	1	5			9	309	0	0
194	Wholesale poultry and eggs	1	48	8		10	365 10%		
195	Wholesale teas and cigars ..	1	5			10	300		
196	Wire goods mfg.	1	7			10	312 10%		
197	Working mens' garments manufacturing	1	25	225	9	9	304	0	0
198	Working mens' garments manufacturing	1	9	83	9	10	310	0	0

(a) Affected four employees. (b) Slight increase to all employees, amount not over twenty-five employees. (f) Affected three employees. (g) Affected 277 employees. (h) Affected 200 employees. (i) Affected two employees. (m) Affected six

* Carrier boys work one and one-half hours per day.

† Also manufacture working mens' garments.

FAYETTE

199	Brass foundry	1	25			10	305	0	0
200	Cigars manufacturing	1	1			10	310	0	0

0 indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employees					Marginal No.
Adult males	Adult fe- males	Child- ren under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Women	Men	Women	Total	

COUNTY—CONTINUED.

\$ 4,160.00			\$ 4,160.00	1		\$ 390.00	\$ 360.00	172
11,790.00	\$ 1,500		13,279.00	3	2	2,000.00	700.00	173
				3	2	2,444.00		174
				3	4	4,482.00	1,380.00	175
13,280.00			13,280.00	7	2	6,120.00	930.00	176
4,000.00	572		4,572.00	1	1	1,500.00	520.00	177
2,967.00	428		3,405.00	2		1,872.00		178
81,206.00	6,965	6,206	94,373.00	15	8	10,286.00	2,704.00	179
17,479.00			17,479.00	5	3	2,494.00		180
149,046.00			153,071.00	21	3	29,968.00	1,045.00	181
8,765.00	1,575		10,340.00	4	1	3,364.00	325.00	182
5,016.00			5,016.00	1	1	1,000.00	192.00	183
4,325.00			4,325.00	12	2	3,306.00	1,200.00	184
4,611.00	3,367		8,668.00	7		5,802.00		185
9,708.00			9,708.00	3	1	2,820.00	300.00	186
27,112.00	4,069		41,181.00	10		9,400.00		187
				3	1	2,000.00	200.00	188
				7		4,330.00		189
8,420.00	480		8,900.00					190
5,229.00	19,465	2,220	26,913.00	62	5	96,710.00	988.00	191
8,054.00			8,054.00	1		1,200.00		192
25,000.00	2,800		27,800.00					193
3,800.00			3,800.00					194
2,400.00			2,400.00	3	1	2,202.00	260.00	195
13,362.00	51,948	1,848	65,724.00	4		5,500.00		196
3,653.00	23,512	1,400	28,565.00	10	1	5,047.00	300.00	197

started. (c) Affected 194 employees. (d) Affected forty-five employees. (e) Affected sixteen employees. (f) Affected four employees. (g) Affected four em-
ployees.

COUNTY.

15,729.00	832		15,729.00	2		1,320.00		198
468.00			1,300.00					199

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Number of establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of increase	Per cent of decrease
301	Agl. machinery mfg.	1	10			10	309	0	0
302	Bank, store and office fixtures mfg.	1	44	1		10	300	0	0
303	Brick and tile mfg.	1	6			10	300	0	0
304	Gasoline engines mfg.	1	74			10	309	(a) 5%	
305	Hotel.	1	8	8		12	365		
306	Laundry.	1	2	6		10	311		
307	Printing and publishing.	1	3	5		10	312	0	0

(a) Affected 75% of employees.

FRANKLIN

308	Cigars mfg.	1	4			9	300	0	0
309	Flour and feed milling.	1	4			10	310		

GRUNDY

210	Brick and tile mfg.	2	31			10	225	0	0
211	Printing and publishing.	2	2	5	1	10	312	(b) 15%	

(b) Affected 5 employees.

GUTHRIE

212	Brick and tile mfg.	1	6			10	209		
213	Cigars mfg.	1	8			10	310		
214	Flour and feed milling.	1	5			10	310		

HAMILTON

215	Brick and tile mfg.	1	7			10	173	0	0
216	Butter, eggs and produce.	1	10			10	310	0	0
217	Constructing and bldg.	1	90			9	300	5%	
218	Dry goods, retail.	1				10	300		
219	Felt shoes mfg.	1	8	8		10	127	0	0
220	Telephone exchange.	1				10	365		
221	Thresher screens mfg.	1	19			10	300	0	0

HANCOCK

222	Printing and publishing.	2	6	2		10	310	0	0
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HARDIN

223	Brick and tile.	2	26			10	280	0	0
224	Cigars mfg.	1	5			8	310		
225	Flour milling.	1	5			11	310		
226	General merchandise.	1				10	310	0	0
227	Locomotive and car repairing.	1	14			12	365	0	0
228	Railroad transportation.	1	63				365		
229	Stock remedies.	1	2			10	300	0	0

0 Indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employees					Marginal No.
Adult males	Adult females	Children under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Women	Men	Women	Total	
COUNTY									
\$ 4,517.00	\$	\$	\$ 4,517.00			\$	\$	\$	201
19,000.00	384		19,084.00	2	1	1,555.00	384.00	19,084.00	202
1,225.00			1,225.00						203
40,703.00			40,703.00	4	1	4,968.00	624.00	5,592.00	204
4,800.00	2,445		7,245.00						205
884.00	1,572		2,456.00						206
1,506.00	1,560		3,066.00	1	1	728.00	308.00	1,036.00	207
COUNTY									
\$ 2,000.00	\$	\$	\$ 2,000.00			\$	\$	\$	208
2,016.00			2,016.00						209
COUNTY									
\$ 10,025.00	\$	\$	\$ 10,025.00	1		\$ 650.00	\$	\$ 650.00	210
1,750.00	1,600	75	3,425.00						211
COUNTY									
\$ 1,411.00	\$	\$	\$ 1,411.00			\$	\$	\$	212
3,000.00			3,000.00						213
2,350.00			2,350.00						214
COUNTY									
\$ 1,406.00			\$ 1,406.00			\$	\$	\$	215
5,000.00			5,000.00						216
48,200.00			48,200.00	3		2,200.00		2,200.00	217
				3		1,090.00	850.00	1,940.00	218
1,365.00			1,365.00	9		4,077.00		4,077.00	219
	636		2,021.00	4	5	2,100.00	1,800.00	3,900.00	220
10,500.00			10,500.00	2	3	3,000.00	1,000.00	4,000.00	221
COUNTY									
\$ 2,250.00	\$ 500	\$	\$ 2,750.00			\$	\$	\$	222
COUNTY									
\$ 14,400.00			\$ 14,400.00						223
2,800.00			2,800.00						224
2,392.00			2,392.00						225
				7	2	5,160.00	600.00	5,760.00	226
									227
10,910.00			10,910.00	16	1	9,720.00	540.00	10,260.00	228
48,113.00			48,113.00	3	1	9,320.00	600.00	9,920.00	229
1,253.00			1,253.00						230

EMPLOYERS' STATISTICAL

Marginal No	Character of Industry	Number establishments reporting	Average number of wage-earners for 1965			Hrs. worked per day	Days in operation during 1965	Changes in Wages in Per Cent for Year 1965	
			Adult males	Adult females	Children under 16			Per cent of increase	Per cent of decrease
230	Electric light and milling.	1	5	.....	.....	11	369	0	0
231	Flour milling and grain	1	4	.....	.....	11	310	0	0
232	Locomotive and car repairing	1	235	.....	.....	10	305	(a) 3%	.....

(a) Affected 48 employees

IDA

233	Cigars mfg	1	3	1	9	310		
234	Flour milling	1	6		12	300		

IOWA

235	Flour milling	1	6	10	306	0	0
236	Printing and dyeing cotton cloths	1	8	8	306	0	0
237	Woolen cloth mfg	1	22	2	8	306	0

JACKSON

238	Brewery	1	11		10	310	0	0
239	Butter, eggs and poultry ..	1	14		10	310		
240	Lime mfg	1	46		10	230	0	0
241	Lumber and lime mfg.	1	12		10	225	0	0
242	Lumber mfg	1	77		10	310	0	0
243	Printing and publishing ..	1	4	1	10	310		

JASPER

244	Agricultural imp. mfg.....	1	96		10	313	(a) 5%	
245	Band cutters and self-feed- ers mfg.....	1	25		10	310	10%	
246	Flour milling.....	1	4		10	300		
247	Foundry and mach. shop.....	1	13		10	300	0	0
248	General merchandise.....	2	37	9	10	312		

(a) Affected 48 employees.

JEFFERSON

249	Brick and tile mfg.....	2	27	10	300	0	0
250	Carpets and rugs mfg.....	1	1	2	10	300	0
251	Cotton mittens and gloves mfg.....	1	27	9	290	0	0
252	Hay tools mfg.....	1	33	10	310		
253	Telephone exchange.....	1		10	310		

0 Indicates no change.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employes					Marginal No
Adult males	Adult fe- males	Children under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Wom- en	Men	Women	Total	
COUNTY.									
\$ 2,620.00		\$ 2,620.00	1	1	\$ 1,000.00	\$ 420.00	\$ 1,420.00	236
1,842.00		1,842.00	3	2,900.00	2,900.00	237
137,291.00		137,291.00	24	21,720.00	21,720.00	238

COUNTY.

COUNTY.

COUNTY

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COUNTY.

EMPLOYERS' STATISTICAL

Marginal No	Character of Industry	Number estab-lishments re- porting	Average number of wage-earners for 1905			Hrs work ed per day	Days in op-eration dur- ing 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult fe- males	Child- ren un- der 16			Per cent of In-crease	Per cent of De-crease
JOHNSON									
254	Brick and tile mfg.	1	12			9	200	0	0
255	Brewery	1	13			10	310	0	0
256	Cigars mfg.	1	7	3		8	300	0	0
257	Foundry, machine shop and planing mill.	1	19			10	305	12½	
258	Gasoline engines and feed mills mfg.	1	32			10	300	0	0
259	Gloves and mittens mfg.	1	5	12		9	300	0	0
260	Jewelry and showcases mfg.	1	64	28	3	9	300	12½	
261	Machine forging and boiler works.	1	5			8½	308		
262	Printing advertising nov- elties	1	16	22		9	310	10½	
263	Printing and publishing.	1	6	3		9	312	0	0

JONES

264	Brick and tile mfg.....	1	6			10	240	0	0	264
265	Feather and wool dusters mfg.....	1	18	41	6	10	300	0	0	265
266	School supplies mfg.....	1				10	310	0	0	266
267	Stone quarrying.....	3	52			10	260	0	0	267

KOSSUTH

268	Candy and ice cream mfg..	1	3	2		10	300			268
269	Hotel.....	1	2	7		12	365			269
270	Printing and publishing... rural.....	1	15	1		10	310			270
271	Wagon and repair shop....	1	4			10	310			271

LEE

272	Agricultural implement mfg.....	1	155			10	297	0	0	272
273	Barrels mfg.....	2	63			10	250	0	0	273
274	Blasting powder mfg.....	1	153			10	281	0	0	274
275	Boxes mfg.....	1	41			10	247 (b) 10½			275
276	Brewery.....	1	11			10	310			276
277	Buggy shafts mfg.....	1	46			10	257 (c) 5½			277
278	Clears mfg.....	4	12	2		8	300			278
279	Curry combs and hardware specialties hard.....	1	7	3		10	309	7½		279
280	Dry goods, retail.....	1				10	310 (d) 12½			280
281	Electric light and power.....	1	24			12	365	0	0	281
282	Foundry and machine shop.....	1	22			10	310	0	0	282
283	Furniture, wholesale and retail.....	1				10	313	0	0	283
284	Gas engines mfg.....	1	6			10	310	0	0	284
285	Gas for light and heat mfg.	2	23			12	365	0	0	285
286	Hardware specialties mfg.	1	13			10	310	0	0	286
287	Hotel.....	2	13	15		12	365	0	0	287
288	Laundry.....	1	3	7		10	312	0	0	288

0 Indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employes					Marginal No.
Adult males	Adult females	Children under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Women	Men	Women	Total	

COUNTY.

\$ 4,000.00			\$ 4,000.00					\$ 1,000.00	254
8,190.00			8,190.00	1		\$ 1,600.00			255
5,000.00	\$ 564		5,564.00						256
19,600.00			19,600.00	2	1	1,500	\$ 436.00	1,350.00	257
18,174.00			18,174.00	9		6,471.00		6,471.00	258
2,565.00	4,844		7,409.00	1	3	1,100.00	1,248.00	2,348.00	259
30,000.00	5,805	\$ 612	37,077.00	2		1,940.00		1,940.00	260
3,450.00			3,450.00	1		1,300.00		1,300.00	261
11,150.00	5,975		17,125.00	1	2	1,000.00	1,200.00	2,200.00	262
6,350.00	2,300		8,650.00	2	1	1,040.00	530.00	1,560.00	263

COUNTY.

\$ 2,000.00			\$ 2,000.00						264
7,200.00	\$ 8,775	\$ 1,575	17,550.00	2	2	\$ 1,036.00	\$ 825.00	\$ 1,765.00	265
26,714.00			26,714.00	2	4	1,826.00	800.00	3,626.00	266
				1		1,800.00		1,800.00	267

COUNTY.

\$ 1,120.00	\$ 490		\$ 1,600.00						268
1,480.00	1,620		2,100.00						269
3,122.00	312		3,434.00						270
1,800.00			1,800.00						271

COUNTY.

\$ 47,512.00			\$ 45,512.00	10		\$ 9,430.00		\$ 9,430.00	272
24,364.00			24,364.00	1		1,050.00		1,050.00	273
85,163.00			85,163.00	3	4	5,000.00	100.00	5,000.00	274
8,102.00			8,102.00	2	1	1,020.00	800.00	2,220.00	275
6,330.00			6,330.00	3		4,000.00		4,000.00	276
21,224.00			21,224.00	1	1	1,400.00	500.00	1,900.00	277
9,986.00			9,986.00						278
5,880.00	726		6,606.00	1	1	952.00	511.00	1,463.00	279
15,000.00			15,000.00	7	14	5,174.00	5,882.00	10,556.00	280
12,872.00			12,872.00	2	1	1,925.00	600.00	2,525.00	281
							600.00	600.00	282
3,269.00			3,269.00	13	6	6,685.00	2,866.00	7,551.00	283
15,310.00			15,310.00	1	1	1,100.00	416.00	1,576.00	284
5,219.00			5,219.00	2		2,400.00		2,400.00	285
3,311.00	2,497		5,718.00						286
1,029.00	1,663		2,692.00		1	200.00		200.00	287

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Number establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wage-earners in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of Increase	Per cent of Decrease
LEE COUNTY									
289	Lumber mfg.	1	282	.....		10	180	0	0
290	Lumber, lath and shingles mfg.	1	270	6		10	198	0	0
291	Medicine and flavoring extracts Mfg.	1	3	7		10	310	(e) 8%	
292	Overalls and leggins mfg.	1	3	12		10	200		
293	Planing mill	1	14			10	300		
294	Plumbing and heating	1	10			10	312	0	0
295	Printing and publishing	3	13			9	312	0	0
296	Retail drug store	1				12	315	(f) 6%	
297	Rugs, mattresses and tents mfg.	1	4	3		9	300	15%	
298	Sash doors and blinds mfg.	2	104			10	305	(g) 15%	
299	Starch mfg.	2	184	22		12	330	0	0
300	Store fixtures and floor veneer mfg.	1	18	2		10	310	9%	
301	Stoves, furnaces and hardware mfg.	1	15			10	300	(h) 10%	
302	Transfer and dray work	1	20			10	310	0	0
303	Wall paper and painting	1	12	1		9	308	3%	
304	Wholesale groceries	4	16	2	1	10	310	0	0
305	Wholesale oils	1	20			10	313	0	0
306	Wholesale wines and liquors	1				9	310		
307	Wrapping and building paper mfg.	1	34	2		12	313	0	0

(a) Slight increase, amount not stated. (b) Affected 10 employees. (c) Affected 21 employees. (d) Affected 23 employees. (e) Affected 4 employees. (f) Employees receive

LINN

308	Bakery	3	22	2		10	310	0	0
309	Baskets, pails and cans mfg.	1	6			10	310	0	0
310	Biscuits and cookies mfg.	1	18	14		10	228	0	0
311	Brick and tile mfg.	1	6			10	150	0	0
312	Confectionery mfg.	1	14	40		10	300	0	0
313	Concrete bldg. blocks mfg.	1	3			10	250		
314	Dry goods, retail	1				10	300	0	0
315	Electric light, power and heat	1	4			12	365	0	0
316	Flour and cereal milling	1				10	312		
317	Foundry, machine and pattern shop	2	94			12	365	0	0
318	Gas light and heat mfg.	1	27			12	365	0	0
319	Grain and malt	1	4			10	310	0	0
320	Groceries, retail	1				10	304		
321	Ice, packing and retail	1				10	310	0	0
322	Insurance, fraternal	1	5	13		9	310	0	0
323	Laundry	1				10	310	0	0
324	Locomotive and car repair	1	510			10	288		
325	Machine shop and supply house	1	12			10	319	0	0
326	Meat and produce	1	7			12	365	0	0
327	Men's garments mfg.	1	7	50		10	310	10%	

0 Indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employees					Marginal No.	
Adult males	Adult females	Children under 16	Total	Number		Total Amount Paid in Salaries during the year 1905				
				Men	Women	Men	Women	Total		
\$ 85,148.00			\$ 85,148.00	3		\$ 1,650.00		\$ 1,650.00	289	
57,397.00	\$ 3,564		61,261.00	8	1	11,232.00	\$ 480.00	17,712.00	290	
1,335.00	1,744		3,079.00	12	9	12,457.00	3,848.00	16,305.00	291	
960.00			3,960.00	1		500.00		500.00	292	
5,000.00			5,000.00					1,192.00	293	
6,000.00			6,000.00	10	1	6,672.00	520.00	7,192.00	294	
11,284.00			11,284.00	5		2,772.00		2,772.00	295	
									296	
1,600.00	900		2,500.00	2	1	910.00	312.00	1,222.00	297	
52,274.00			52,274.00	4	1	3,961.00	312.00	4,273.00	298	
74,500.00	5,500		80,500.00	11		13,160.00		13,160.00	299	
7,560.00	600		8,160.00	18	2	10,950.00	600.00	11,550.00	300	
8,701.00			8,701.00	4	1	4,008.00	260.00	4,268.00	301	
9,771.00			9,771.00					600.00	302	
7,771.00			7,771.00	3	2	1,440.00	480.00	1,920.00	303	
7,480.00	360		7,840.00	86	17	79,834.00	5,728.00	76,552.00	304	
6,600.00	1,053	\$ 77	7,653.00	30	5	23,654.00	2,340.00	26,004.00	305	
29,400.00			29,400.00					1,840.00	306	
				3		1,840.00		1,840.00	307	
17,297.00	600		17,897.00	3		4,500.00		4,500.00	308	

(d) Affected 5 employees. (e) Affected 3 employees. (f) Affected 2 employees. board and room in addition to wages.

CANTON

\$ 15,260.00	\$ 812		\$ 16,072.00	5		\$ 3,348.00		\$ 3,348.00	309
2,904.00			2,904.00	3	1	1,260.00		1,760.00	310
6,313.00	3,400		9,713.00	16	1	12,736.00	728.00	13,464.00	311
1,400.00			1,400.00	2	1	1,920.00		2,340.00	312
7,748.00	10,332		18,080.00	2		240.00		240.00	313
1,700.00			1,700.00	7	28	4,316.00	8,625.00	12,941.00	314
								2,100.00	315
2,400.00			2,400.00	3		2,100.00		2,100.00	316
									317
54,926.00			54,926.00	6		5,850.00		5,850.00	318
12,000.00			12,000.00	4		2,800.00		2,800.00	319
3,360.00			3,360.00		1		360.00	3,240.00	320
10,500.00			10,500.00	3		2,400.00		2,400.00	321
2,519.00	3,804		6,323.00	13	8	1,540.00	5,540.00	7,080.00	322
300,081.00			300,081.00	11		9,480.00		9,480.00	323
10,000.00			10,000.00		1		500.00	500.00	324
5,356.00			5,356.00	1	1	1,200.00	600.00	1,800.00	325
4,200.00	12,500		16,700.00						326

EMPLOYERS' STATISTICAL

Marginal No	Character of Industry	Number establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of Increase	Per cent of Decrease
LINN COUNTY									
328	Mercantile agency.....	1	.....	.....	.....	9	310	.....	.....
329	Oil and gasoline pumps and storage tanks mfg....	1	3	.....	.....	10	310	0	0
330	Paper and paint, retail....	1	12	.....	.....	9	300	0	0
331	Pumps, tanks and plumbing supplies mfg.....	1	61	1	2	10	310	5%	.....
332	Pumps mfg.....	1	40	1	.....	10	310	.....	.....
333	Plumbing and brass goods mfg.....	1	45	9	5	10	310	0	0
334	Pork and beef packing....	1	734	7	40	10	310	(a)	.....
335	Publishing and sale of text books.....	1	.....	.....	.....	10	310	.....	.....
336	Rolling ladders mfg.....	1	4	.....	.....	10	310	0	0
337	Sash, doors and moldings mfg.....	1	54	.....	.....	9	282	0	0
338	Telegraph.....	1	.....	.....	.....	10	365	0	0
339	Upholstered furnit ^r mfg....	1	10	1	.....	10	292	0	0
340	Wagons and vehicles mfg....	1	29	.....	.....	10	300	0	0
341	Wagons and carriage mfg....	1	9	.....	.....	10	310	15%	.....
342	Water supply.....	1	17	.....	.....	10	365	0	0
343	Wire fence mfg.....	1	29	.....	.....	10	310	.....	.....
344	Wholesale coffee and teas..	1	.....	.....	.....	9	310	0	0
345	Wholesale groceries.....	2	.....	.....	.....	10	310	0	0
346	Wholesale and retail china and glassware.....	1	.....	.....	.....	9	310	0	0

(a) Slight increase, all employees affected.

LUCAS

347	Department store.....	1	.....	.....	.....	11	313	0	0	347
348	Wagon and buggy mfg.....	1	17	.....	.....	10	310	5%	.....	348

MADISON

349	Grain handling.....	1	3	.....	.....	10	313	0	0	349
350	Printing and publishing....	1	2	1	.....	10	310	0	0	350

MAHASKA

351	Brick and tile mfg.....	3	63	.....	.....	10	220	0	0	351
352	Confectionery mfg.....	1	8	5	.....	10	310	0	0	352
353	Cigar mfg.....	2	35	2	.....	10	310	0	0	353
354	Dry goods.....	1	.....	.....	.....	10	310	0	0	354
355	Eggs and poultry.....	1	.....	.....	.....	10	310	0	0	355
356	Elec. Ry., light and power	1	.....	.....	.....	12	365	0	0	356
357	General mercantile.....	1	.....	.....	.....	12	317	0	0	357
358	Hot water and steam heating.....	1	5	.....	.....	10	316	0	0	358
359	Locomotive and car repairing.....	1	73	.....	.....	10	365	(b) 05.5	.....	359
360	Plumbing and heating supplies.....	1	12	3	.....	10	238	(c) 10%	.....	360
361	Music publishing.....	1	2	1	.....	9	307	0	0	361
362	Telephone exchange.....	1	.....	.....	.....	9	365	0	0	362
363	Wholesale grocery.....	1	.....	.....	.....	10	310	0	0	363
364	Wholesale and retail hardware.....	1	.....	.....	.....	10	310	0	0	364

0 Indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employes					Marginal No.
Adult males	Adult females	Children under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Women	Men	Women	Total	

—CONTINUED.

.....	.....	.....	.....	4	2	\$ 4,900.00	\$ 850.00	\$ 4,850.00	328
.....	.....	.....	.....	3	.....	3,024.00	.....	3,024.00	329
\$ 2,879.00	.....	.....	\$ 2,879.00	.....	.....	.....	.....	.....	330
5,000.00	.....	.....	5,000.00	.....	.....	.....	.....	.....	331
.....	.....	.....	.....	3	1	2,800.00	600.00	3,400.00	332
26,000.00	\$ 728	\$ 600	27,328.00	.....	.....	604.00	.....	604.00	333
25,200.00	.....	.....	25,200.00	.....	.....	25,200.00	.....	25,200.00	334
.....	.....	.....	.....	1	.....	604.00	.....	604.00	335
23,000.00	2,000	1,000	27,000.00	57	6	28,738.00	3,604.00	61,852.00	336
314,879.00	2,367	7,189	314,431.00	.....	.....	4,870.00	2,375.00	7,245.00	337
.....	.....	.....	.....	8	6	.....	.....	.....	338
.....	.....	.....	.....	.....	.....	.....	.....	.....	339
2,768.00	.....	.....	2,768.00	.....	.....	.....	.....	.....	340
.....	.....	.....	.....	2	2	2,200.00	1,040.00	3,240.00	341
26,000.00	.....	.....	26,000.00	24	3	10,700.00	1,300.00	12,000.00	342
5,420.00	.....	.....	5,420.00	.....	.....	2,980.00	.....	2,980.00	343
12,248.00	.....	.....	12,248.00	.....	.....	.....	.....	.....	344
7,400.00	.....	.....	7,400.00	4	7	4,700.00	5,068.00	9,768.00	345
3,883.00	.....	.....	3,883.00	.....	.....	2,714.00	1,508.00	4,222.00	346
13,584.00	.....	.....	13,584.00	3	1	9,310.00	904.00	10,214.00	347
.....	.....	.....	.....	40	1	38,697.00	790.00	39,487.00	348
.....	.....	.....	.....	9	4	6,982.00	2,106.00	9,088.00	349

COUNTY.

.....	.....	.....	.....	2	11	\$ 676.00	\$ 1,872.00	\$ 2,548.00	347
\$ 8,300.00	.....	.....	\$ 8,300.00	.....	.....	1,200.00	.....	1,200.00	348

COUNTY.

\$ 1,250.00	.....	.....	\$ 1,250.00	.....	.....	.....	.....	.....	349
1,158.00	\$ 329	.....	1,483.00	.....	.....	.....	.....	.....	350

COUNTY.

.....	.....	.....	.....	2	7	\$ 1,500.00	.....	1,500.00	351
\$ 27,000.00	.....	.....	\$ 27,000.00	.....	.....	3,532.00	420.00	3,792.00	352
3,032.00	\$ 1,200	.....	3,232.00	.....	.....	.....	.....	.....	353
21,500.00	600	.....	22,100.00	22	67	13,496.00	25,012.00	38,508.00	354
.....	.....	.....	.....	4	1	2,400.00	600.00	3,000.00	355
12,000.00	.....	.....	12,000.00	.....	.....	2,000.00	900.00	2,900.00	356
.....	.....	.....	.....	6	.....	600.00	.....	600.00	357
3,047.00	.....	.....	3,047.00	1	1	1,300.00	420.00	1,620.00	358
32,485.00	.....	.....	32,485.00	6	.....	3,900.00	.....	3,900.00	359
16,120.00	.....	1,040	17,160.00	3	1	2,220.00	300.00	2,520.00	360
1,080.00	.....	156	1,236.00	.....	.....	1,200.00	300.00	1,500.00	361
.....	.....	.....	.....	1	22	3,000.00	5,300.00	8,300.00	362
.....	.....	.....	.....	25	3	25,564.00	1,920.00	27,484.00	363
.....	.....	.....	.....	12	1	8,585.00	540.00	9,125.00	364

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Number establishments reporting	Average number of wage-earners for 1905			Hrs. work per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of Increase	Per cent of Decrease
365	Cigar mfg.....	1	3		3	10	300	0	0
366	Printing and advertising.....	1	3	4		9	312	0	0
367	Straw stackers and self feeders mfg.....	1	22			10	306	0	0
368	Wagon mfg.....	1	20			10	310	0	0

MARION

369	Brick and tile.....	3	24			10	150	0	0
370	Buggy mfg.....	1	68	4		10	130	0	0
371	Building construction.....	1	18			9	310	0	0
372	Coffee roasting and sundries.....	1	6	3		10	308	0	0
373	Dry goods.....	2				10	310	0	0
374	Furniture and undertak'g.....	1				10	310	0	0
375	Gas, electric light and ry.....	1	20			12	365	0	0
376	Hardware.....	1				10	310	(d) 10%	
377	Hotel.....	1				12	365	0	0
378	Locomotive and car repairing.....	1	285			9	304	e 4.7%	
379	Lubricating oil, greases etc.....	1				10	310	10%	
380	Meat and produce.....	1	13			10	310	(f) 12%	
381	Pork and beef packing.....	1	94	12		8	310	0	0
382	Printing and publishing.....	1	3	3	1	8 1/2	308	g 10%	
383	Steam specialties mfg.....	2	8	1		10	310	h 62%	
384	Transfer and dray line.....	1				10	310	0	0
385	Vinegar and pickle mfg.....	1	12	4		10	320	0	0
386	Wholesale grocers.....	1				10	313	0	0

(a) Affected 12 persons. (b) Affected 23 persons. (c) Affected 12 persons. (d)

MILLS

387	Bakery and restaurant.....	1	1	2		12	363	10%	
388	Printing and publishing.....	1	3	1		10	310	2%	

MITCHELL

389	Cigar mfg.....	1	6			10	310	0	0
390	Printing and publishing.....	1	5	5		9	310	0	0
391	Tow mfg.....	1	10			10	90	0	0

MONONA

392	General merchandise.....	1				10	310	a 20%	0
393	Meat and produce.....	1	8			10	310		

0 Indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employes					Marginal No.
Adult males	Adult fe- males	Child- ren under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Wo- men	Men	Women	Total	
\$ 1,000.00	.....	300	\$ 1,300.00	3		\$ 1,800.00		1,800.00	365
1,400.00	780		2,180.00	3					366
11,168.00	.....		11,168.00	2	2	1,500.00	\$ 800.00	2,400.00	367
8,348.00	.....		8,348.00	1	1	1,900.00	312.00	2,112.00	368
COUNTY.									

COUNTY.

\$ 8,745.00			\$ 8,745.00	9	1	\$ 4,100.00	\$ 300.00	\$ 4,400.00	369
41,000.00	\$ 1,404		43,004.00	3	1	2,516.00	450.00	2,966.00	370
10,210.00			10,210.00						371
3,360.00	720		4,080.00	2	1	1,114.00	900.00	2,014.00	372
				7	14	3,750.00	5,444.00	9,194.00	373
				4	1	8,225.00	400.00	3,625.00	374
12,322.00			12,322.00	1	1	1,080.00	360.00	1,440.00	375
				7	1	3,800.00	480.00	4,280.00	376
				20	16	5,500.00	5,112.00	14,111.00	377
230,147.00			230,147.00	22	10	31,000.00		21,000.00	378
				40	10	25,000.00	4,000.00	29,000.00	379
5,880.00			5,880.00	3		2,017.00		2,017.00	380
39,623.00	2,217		41,840.00	5	3	2,513.00	1,440.00	3,953.00	381
2,090.00	1,190	256	3,535.00	1		780.00		780.00	382
5,548.00	537		6,085.00	8		5,906.00		5,906.00	383
3,000.00			3,000.00						384
2,950.00			2,950.00				1,000.00	1,000.00	385
				35	2	46,000.00	1,440.00	48,040.00	386

2 persons affected. (e) 153 men affected. (f) 1 person affected.

COUNTY.

\$ 600.00	\$ 420		\$ 1,020.00						387
1,150.00	300		1,450.00						388

COUNTY.

\$ 2,000.00			\$ 2,000.00						389
2,161.00	\$ 1,000		3,161.00	1		\$ 780.00		\$ 780.00	390
1,515.00			1,515.00						391

COUNTY.

\$ 3,182.00			\$ 3,182.00	6	1	\$ 4,140.00	\$ 300.00	\$ 4,440.00	392
				1		718.00		718.00	393

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Number of establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of increase	Per cent of decrease
MONTGOMERY									
384	Art calendar mfg.....	1	57	73	.....	10	310	126	.....
385	Bridge building.....	1	25	.....	.....	10	250	0	.....
386	Brick and tile mfg.....	1	12	.....	.....	9	210	0	.....
387	Cigar mfg.....	1	3	.....	.....	8	210	0	.....
388	Flour milling.....	1	6	.....	.....	12	310	0	.....
389	Foundry, mfg. and contracting.....	1	19	.....	.....	10	300	slight	.....
400	Hotel.....	1	8	12	.....	10	305	b 56	.....
401	Laundry.....	1	2	3	.....	10	210	0	.....
402	Wholesale grocers.....	1	.....	.....	.....	10	300	0	.....

MONTGOMERY

354	Art calendar mfg.	1	57	73		10	310	12%	0	
355	Bridge building	1	25			10	250	0	0	
396	Brick and tile mfg.	1	12			9	210	0	0	
397	Cigar mfg.	1	8			8	310	0	0	
398	Flour milling	1	6			12	310	0	0	
399	Foundry, mfg. and contracting	1	19			10	300	slight		
400	Hotel	1	8			12	365	b 5%	0	
401	Laundry	1	2	3		10	290	0	0	
402	Wholesale grocers	1				10	310	0	0	

(g) one person affected. (h) two persons affected. (a) one man affected. (b)

MUSCATINE

403	Brick mfg.	2	21			10	300	0	0	
404	Carpenters and contract's	1	6			9	264	0	0	
405	Cigar mfg.	4	11	6	3	8	310	0	0	
406	Condensed milk mfg.	1	8	7		10	340	slight		
407	Gas, electric railway and light	1	61			12	365	(a) 10%		
408	Hardware	1	9	1		10	310	0	0	
409	Hotel	1	7	11		10	305	0	0	
410	Laundry	1	4	7		10	312	0	0	
411	Lumber and box mfg.	1	31			10	300	0	0	
412	Oat meal mfg.	1	24	38		10	150	0	0	
413	Pearl button mfg.	3	279	194	10	10	300	0	0	
414	Pearl button blank mfg.	1	91	1		10	300	0	0	
415	Pearl button machinery	2	76			10	310	0	0	
416	Railroad transportation	1	60			10	365	0	0	
417	Retail dry goods	1	30			10	300	0	0	
418	Saddlery and harness mfg.	1	27			10	300	0	0	
419	Sash and doors mfg.	2	469	1	23	10	272	(b) 4%		
420	Saw mill and box factory	1	290			10	310	0	0	
421	Wholesale grocers	2				10	310	0	0	

(a) Affected 35 employees. (b) Affected 87 employees.

O'BRIEN

422	Meat and produce	1	12			10	310	(c) 16%		
423	Wholesale grocery	1				10	313	0	0	

(c) One man affected.

PAGE

424	Flour mfg.	1	3			11	235	0	0	
425	Foundry and mach. shop	1	4			10	300	0	0	
426	Gas mfg.	1	3			8	305	0	0	
427	Glove and mitten mfg.	1	1			10	234	0	0	
428	Hotel	1	4			12	365	0	0	
429	Meat and produce	1	19	8		10	310	(e) 25%		
430	Nursery	1	41		10	10	310	(f) 5%		
431	Produce buying	1	19			10	310	0	0	
432	Rug mfg.	1	5	1		10	310	0	0	
433	Stock condi'n powd. mfg.	1				10	311	(g) 45%		

(d) Board furnished in addition. (e) Two men affected. (f) Seventeen per-
(g) No change.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employees					Marginal No.
Adult males	Adult fe- males	Child- ren under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Wom- en	Men	Women	Total	
COUNTY.									
\$ 29,606.00	\$16,405		\$ 46,071.00	7	17	\$ 6,567.00	\$ 6,700.00	\$ 13,327.00	394
14,500.00			14,500.00	2		1,500.00			395
3,428.00			3,428.00					1,600.00	396
1,756.00			1,756.00	1					397
3,900.00			3,900.00	1		600.00		600.00	398
9,000.00			9,000.00	2		2,100.00		2,100.00	399
3,372.00	2,784		6,156.00	2					400
1,127.00	729		1,947.00						401
				5		2,954.00	600.00	3,554.00	402

COUNTY.

\$ 29,696.00	\$16,405		\$ 46,071.00	7	17	\$ 6,567.00	\$ 6,760.00	\$ 13,327.00	394
14,500.00			14,500.00						395
5,428.00			5,428.00	2		1,500.00		1,500.00	397
1,766.00			1,766.00						398
3,900.00			3,900.00	1		600.00		600.00	399
9,000.00			9,000.00	2		2,100.00		2,100.00	398
3,372.00	2,784		6,156.00						400
1,127.00	729		1,847.00						401
				5	1	2,554.00	600.00	3,154.00	402

twenty persons affected.

COUNTY.

\$ 5,602.00			\$ 5,602.00						403
3,312.00			3,312.00						404
8,187.00	\$ 2,227	\$ 484	10,898.00	2		1,980.00		1,980.00	405
4,496.00	1,968		6,468.00	5	1	4,500.00	500.00	5,000.00	406
32,697.60			32,697.60	24	1	15,240.00	420.00	15,660.00	407
2,150.00			2,150.00		1	450.00		450.00	408
14,290.00	4,440		18,730.00						409
1,873.00	1,820		3,693.00						410
29,635.00			29,635.00	1		900.00		900.00	411
14,290.00	5,700		20,000.00	3	1	3,102.00		3,102.00	412
122,847.00	43,000	2,300	168,647.00	24	3	17,562.00	1,715.00	19,277.00	413
55,295.00	300	200	55,795.00	2	1	3,600.00	300.00	3,900.00	414
42,900.00	676		43,576.00						415
30,214.00			30,214.00		1		540.00	540.00	416
13,437.00			13,437.00	6	11	2,148.00	4,836.00	6,984.00	417
197,849.00	300	1,300	200,049.00	64	10	59,750.00	6,840.00	67,600.00	419
129,131.00		4,817	133,948.00	2	2	1,148.00	1,144.00	2,292.00	420
				14	2	11,560.00	964.00	12,524.00	421

COUNTY.

\$ 5,632.00			\$ 5,632.00	2		\$ 1,410.00		\$ 1,410.00	422
				11		13,620.00		13,620.00	423

COUNTY.

\$ 1,250.00	\$	\$	\$ 1,250.00						424
2,500.00			2,500.00						425
1,920.00			1,920.00						426
107.00			107.00	1	1	750.00	500.00	1,250.00	427
d 872.00	d 1,436		d 2,308.00	4					428
8,168.00			8,168.00	4		2,092.00		2,092.00	429
16,638.00	2	2	18,722.00	3	2	2,200.00	900.00	3,100.00	430
10,400.00			10,400.00	3		2,805.00		2,805.00	431
2,840.00	270		3,110.00						432
				4		4,413.00		4,413.00	433

sons affected (g) One man affected.

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Number establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of Increase	Per cent of Decrease

POLK

478	Machine shop.....	2	8			9	310	0	0
479	Meat and poultry agency.....	1	2			9	310	0	0
480	Merchandise agency.....	1	7			9	310	0	0
481	Monuments and statuary.....	2	7			8	300	0	0
482	Nursery.....	1	21	5		9	308	0	0
483	Paper box mfg.....	1	7			9	304	slight	0
484	Petroleum products.....	1	200			9	310	0	0
485	Pork and beef packing.....	1	25			9	308	0	0
486	Poultry and produce.....	1	20			10	310	0	0
487	Printing and binding.....	1	25	8		9	310	0	0
488	Printing and publishing.....	2	65	22		8	320	3	36
489	Printing (job work).....	1	25	4		9	307	21 1/2	0
490	Saddlery and harness mfg.....	1	18			10	310	0	0
491	Shoes, retailing.....	1	12			9	312	0	0
492	Soap mfg.....	1	12	3		9	310	0	0
493	Steel building material mfg.....	1	7			9	310	0	0
494	Store and office fixtures mfg.....	1	35			8	308	0	0
495	Tanning and mfg.....	1	5			9	310	0	0
496	Telegraph.....	1	26	6	42	9	310	0	0
497	Telephone exchange.....	2	419	488		9	312	0	0
498	Tent and awning mfg.....	1	3	2		10	300	0	0
499	Threshing machine jobb'g.....	3	12			9	310	0	0
500	Transfer and dray line.....	1	30			13	319	1	104
501	Trunk mfg.....	1	6			9	312	m	104
502	Vehicle mfg.....	1	31	2		10	308	0	0
503	Vinegar and pickle mfg.....	1	10	8		9	310	34	
504	Wall paper and painting.....	2	44			8	300	0	0
505	Washing machine mfg.....	1	8			9	298	0	0
506	Wholesale drugs.....	1				10	300	26	
507	Wholesale groceries.....	1				10	310	0	0
508	Wholesale hardware.....	1				10	310	0	0
509	Wholesale iron and wood stock.....	1	7			10	312	0	0
510	Wholesale liquors.....	1	21			11	308	0	0
511	Wholesale and retail china and glass.....	1				10	310	0	0
512	Wholesale shoes.....	1	11	3		9	300	0	0
513	Windmill and pump mfg.....	1	18			10	300	0	0
514	Woolen cloth mfg.....	1	27	27		9	300	0	0

(a) Affected thirty men. (b) Affected three persons. (c) Affected four persons. (d) Affected 83 persons. (e) Affected 8 persons. (f) Affected 8 persons. (g) Amount not reported. (h) affected 8 persons. (i) affected 83 persons.

POTTAWATTAMIE

515	Agricultural implements, jobbing.....	3	17			10	310	0	0
516	Agricultural implements mfg.....	1	40	1		10	310	0	0
517	Axle grease and oils.....	1	3			10	310	0	0
518	Cigar mfg.....	2	5			9	300	0	0
519	Flour milling.....	1	8			10	277	0	0
520	Foundry and mach. shop.....	1	3			10	305	0	0
521	Gas, electric light and power.....	1	45			12	365	0	0
522	Gas for railroad service.....	1	11			10	365	104	
523	Hardware and furniture retailing.....	1				10	310	0	0

0 Indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to					Superintendents, managers, clerks and other salaried employees					Marginal No.
Adult males	Adult females	Children under 16	Total	Number		Total Amount Paid in Salaries during the year 1905				
				Men	Women	Men	Women	Total		

COUNTY—Continued.

				\$ 6,900.00					\$ 14,926.00	
1,196.00				1,196.00	19	6	4,000.00	\$ 1,400.00	5,400.00	
				2,946.00	12	1	5,400.00	800.00	8,946.00	
3,946.00				4,800.00	3	1	7,720.00		7,720.00	
4,000.00				5,800.00	2	1	2,100.00		2,100.00	
5,250.00		8	2,610		27	1	18,026.00	308.00	18,294.00	
151,715.00				2,500	154,215.00	27	3	42,440.00	1,960.00	44,000.00
				7,224.00	960	2	3,303.00		3,303.00	
8,300.00				10,000.00	63	2	4,400.00		4,400.00	
12,448			208		63	2	54,784.00	4,350.00	58,534.00	
17,152.00			1,043	18,196.00	4	1	5,674.00	780.00	6,454.00	
9,430.00				9,430.00	9	2	8,000.00	840.00	8,840.00	
					11	2	6,142.00	512.00	6,654.00	
5,300.00			1,200	6,500.00	2	1	1,212.00		1,212.00	
3,000.00				3,000.00						
20,000.00				20,000.00						
1,970.00				1,970.00	36	2	18,231.00	1,027.00	19,788.00	
19,737.00			7,968	20,847.00	107	4	88,638.00	18,119.00	100,757.00	
256,465.00		145,588		402,052.00	20	4	364.00	24,500.00	24,864.00	
1,530.00		500		2,030.00	20	4	22,860.00	1,700.00	3,480.00	
7,460.00				4,000.00	4	1	3,120.00	360.00	3,480.00	
17,246.00				7,400.00	4	1	2,300.00	300.00	4,500.00	
4,900.00				12,055.00	4	1	2,000.00	1,300.00	2,000.00	
11,372.00		623		9,109.00	3	2				
7,029.00		2,080		25,000.00	3	2				
22,000.00				7,500.00	40	5	35,000.00	2,500.00	37,500.00	
7,500.00				18,375.00	28	9	33,411.00	6,358.00	40,369.00	
					51	6	42,172.00	2,800.00	44,972.00	
				4,264.00	7	2	6,000.00	1,040.00	7,040.00	
13,200.00				13,200.00	17	4	12,455.00	1,622.00	14,087.00	
					11	4	14,077.00		15,000.00	
6,840.00			960	7,800.00						
10,500.00				10,500.00						
12,200.00			9,150	21,356.00						

(a) Affected ten persons. (b) Affected four persons. (c) Affected five persons. (d) Affected 5 persons. (e) affected 3 persons. (f) affected 3 persons. (g) affected 3 persons. (h) affected 3 persons. (i) affected 3 persons. (j) affected 3 persons. (k) affected 3 persons. (l) affected 3 persons. (m) affected 6 persons.

COUNTY.

\$ 9,708.00				\$ 9,708.00	36	10	\$ 43,535.00	\$ 5,464.00	\$ 48,999.00	515
22,434.00				2,896.00	2	4	1,206.00		1,206.00	516
1,716.00				1,716.00	1	4	1,200.00	2,080.00	3,280.00	517
2,384.00				\$ 1,056	1	1	900.00		900.00	518
4,200.00				4,200.00	1	1	2,200.00		2,200.00	519
1,800.00				1,800.00						520
21,613.00				21,613.00	4	1	3,820.00		3,820.00	521
7,700.00				7,700.00	1	1	1,200.00		1,200.00	522
					14	2	7,769.00	960.00	8,729.00	523

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Number of establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of Increase	Per cent of Decrease
524	Hardware jobbing.....	1				10	313	0	0
525	Harvesting machinery jobbing.....	1	11			10	312	0	0
526	Heating and plumbing.....	2	24			10	305	0	0
527	Hotel.....	1	7			12	363	19	0
528	Laundry.....	1	6	25		10	310	0	0
529	Lumber and planing mill.....	1	34			10	310	0	0
530	Machinery jobbing.....	1	7			10	308	0	0
531	Planing mill.....	1	5			9	250	0	0
532	Street railway.....	1	113			12	365	0	0
533	Vehicle mfg.....	1	77			10	310 (a)	5	0
534	Vehicle jobbing.....	1				9	312	0	0
535	Wholesale druggists.....	1	16			10	325 (b)	10	0

POTTAWATTAMIE

(a) Affected 35 persons. (b) Affected 10 persons.

POWESHIEK

536	Cheese mfg.....	1	2			10	312	0	0
537	Electric light and power.....	1	7			12	365	0	0
538	Flour and feed mfg.....	1	2			8	240	0	0
539	Hardware and plumbing.....	1	4			10	312	0	0
540	Meat and produce.....	1	7			10	156	0	0
541	Retail dry goods.....	1				10	310	0	0

SAC

542	Cement block mfg.....	1	2			10	90	0	0
543	Drain tile and tile mould mfg.....	1	5			10	300	10	0
544	Flour milling.....	1	4			10	250	20	0
545	General merchandise.....	1				12	367	0	0
546	Printing and publishing.....	1	4	2		9	300	0	0
547	Scientific farming and thoroughbred stock raising.....	1	64			10	311	0	0

SCOTT

548	Auto's stock fountain mfg.....	1	3			9	310	a	10
549	Bakery.....	1	21			10	313	b	20
550	Boilers and sheet iron work.....	1	15			10	300	0	0
551	Bottling.....	1	6			10	312	0	0
552	Browning and maling.....	1	37			9	308	0	0
553	Candy mfg.....	1	10	17	11	10	300	c	5
554	Cigar mfg.....	8	78	138	1	8	303	d	21
555	Cigar box mfg.....	1	3	19		9	310	0	0
556	City water supply.....	1	14			12	365	0	0
557	Crackers and biscuit mfg.....	1	47	61		9	301	e	7
558	Department store.....	1				9	307	0	0
559	Flour milling.....	1	11			11	298	0	0
560	Foundry and mach. shop.....	2	33			10	305	f	10
561	Furniture and carpets.....	1	7			10	310	0	0
562	Furniture mfg.....	1	31		4	10	304	g	21

0 Indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employes					Marginal No.
Adult males	Adult females	Children under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Women	Men	Women	Total	

COUNTY—CONTINUED.

				19	1	\$ 9,500.00	\$ 500.00	\$ 10,000.00	534
6,328.00			6,328.00	11	2	12,740.00	1,380.00	14,120.00	535
16,423.00			16,423.00	2	1	725.00	416.00	1,141.00	536
2,154.00	1,394		3,548.00						537
2,069.00	6,900		8,969.00						538
38,550.00			38,550.00	12		11,300.00		11,300.00	539
3,421.00			3,421.00	2		2,940.00		2,940.00	540
3,327.00			3,327.00						541
66,242.00			66,242.00	4		3,540.00		3,540.00	542
28,500.00			28,500.00	5	2	6,500.00	1,500.00	8,000.00	543
				13	3	10,800.00	1,875.00	12,675.00	544
				11	2	26,325.00	1,040.00	27,365.00	545
\$ 7,709.00			\$ 7,709.00						

COUNTY

\$ 960.00			\$ 960.00						536
4,940.00			4,940.00	1	1	\$ 900.00	\$ 312.00	\$ 1,212.00	537
1,098.00			1,098.00						538
2,450.00			2,450.00	3		1,500.00		1,500.00	539
1,607.00			1,607.00	2		800.00		800.00	540
				3	5	2,600.00	1,800.00	4,400.00	541

COUNTY

\$ 300.00			\$ 300.00						542
3,000.00			3,000.00	1		\$ 1,000.00		\$ 1,000.00	543
2,400.00			2,400.00	1		720.00		1,720.00	544
917.00	\$ 325	\$ 200	1,642.00	2	0				545
33,921.00			33,921.00	3		2,300.00		2,300.00	547

COUNTY

\$ 1,500.00			\$ 1,500.00	1	1	\$ 1,200.00	\$ 420.00	\$ 1,620.00	548
13,265.00	\$ 260		14,125.00	1		600.00		600.00	549
5,500.00			5,500.00						550
3,511.00			3,511.00						551
26,292.00			26,292.00	7	2	5,140.00	260.00	5,400.00	552
5,412.00	4,215	2,224	11,851.00	7	2	6,348.00	892.00	7,240.00	553
43,961.00	51,150	200	94,311.00	7	2	800.00		800.00	554
3,800.00	5,700		9,500.00	21	2	17,407.00	1,102.00	18,509.00	555
7,616.00	9		7,616.00	6	3	5,226.00	1,500.00	6,726.00	556
30,370.00	10,120		40,490.00	30	82	15,721.00	39,328.00	55,049.00	557
7,640.00			7,640.00	4	3	5,400.00		5,400.00	558
59,210.00			59,210.00	6	3	5,226.00	1,204.00	6,430.00	559
4,820.00	300		5,120.00	4		2,700.00		2,700.00	560
13,500.00			13,500.00	3					561

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Number of establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of increase	Per cent of decrease

SCOTT

563	General contractors	1	56			19	312	<i>a</i> 86	.....
564	Grain elevator	1	8			10	310	0	0
565	Hardware jobbing	1	3			10	310	0	0
566	Harness mfg. and jobbing	1	18			10	307	<i>f</i> 10%	.....
567	Hotel	1	30	20		12	365	<i>j</i>	.....
568	Ice cream and dairy prod's	1	4	2		12	365	0	0
569	Ice crushing machine mfg.	1	6			10	310	0	0
570	Iron foundry	1	8			10	310	0	0
571	Laundry	2	7	20		10	310	10%	.....
572	Life insurance	1				9	310	0	0
573	Lumber mfg. and jobbing	1	123			10	312	5%	.....
574	Macaroni and cracker mfg.	1	43	56		10	310	slight	.....
575	Malt mfg. and barley jobbing ..	1				9	350	7%	.....
576	Map and atlas publishing	1	14	4	1	8	310	0	0
577	Marble, granite and tile work ..	1	12			9	312	0	0
578	Nursery	1	20			10	300	0	0
579	Paper-box mfg.	1	2	3	3	8	300	0	0
580	Pearl button mfg.	1	40	181		10	300	0	0
581	Pearl button blank mfg.	1	4			10	273	0	0
582	Plumbing and heating	1	24			8	306	<i>k</i> 5%	.....
583	Pork packing	1	57			10	300	0	0
584	Printing and blank book mfg.	1	29	13		9	310	0	0
585	Printing and publishing	2	12			9	312	0	0
586	Rag carpet loom mfg.	1	5			10	310	0	0
587	Renovated butter and produce ..	1	10			10	312	0	0
588	Sash, doors and interior finish mfg.	3	166			9	300	6%	.....
589	Stairs and interior wood-work mfg.	1	22			9	310	0	0
590	Steel freight car mfg.	1	344			10	310	0	0
591	Stock food mfg.	1	4			9	300	0	0
592	Street railway	1	423			10	365	0	0
593	Tin can mfg.	1	244	81	58	10	306	0	0
594	Vinegar and pickle mfg.	1	15			10	310	0	0
595	Washing machine mfg.	4	188		14	10	300	<i>i</i> 10%	.....
596	Wholesale crockery	1	11	2		10	310	0	0
597	Wholesale dry goods	1				10	312	0	0
598	Wholesale fruit and produce	1				10	312	0	0
599	Wholesale grocery	1				10	310	0	0
600	Wholesale hardware	1				10	310	0	0
601	Window glass and mirror mfg. and jobbing	1	49			10	313	<i>m</i> 5%	.....
602	Woolen cloth mfg.	1	17	31		10	288	0	0

a affected five persons. *b* affected three persons. *c* affected twenty-four persons.
g affected twenty-eight persons. *h* affected twenty persons. *i* affected eighteen men.
sons. *m* affected thirty-five persons.

SIOUX

603	Brick mfg.	1	4			10	300	<i>n</i> 16%	0
604	Flour milling	3	22			10	310	<i>n</i> 16%	0
605	Printing and publishing	2	7	5	1	9	313	0	0

a affected 3 men.
 0 indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employees					Marginal No.
Adult males	Adult females	Children under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Women	Men	Women	Total	

COUNTY—CONTINUED.

\$ 43,923.00	.....			\$ 42,502.00	.....			\$ 4,196.00	.....	\$ 4,196.00	563
5,005.00	.....			5,005.00	.....			10,780.00	.....	10,780.00	564
1,400.00	.....			1,400.00	.....			3,376.00	.....	3,376.00	565
7,875.00	.....			7,875.00	.....			2,640.00	.....	2,640.00	566
<i>j</i> 4,627.00	<i>j</i> 9,173	.....		13,800.00	.....			1,820.00	.....	1,820.00	567
2,600.00	.....			2,600.00	.....			2,052.00	.....	2,052.00	568
1,920.00	.....			1,920.00	.....			2,214.00	.....	2,214.00	569
2,600.00	.....			2,600.00	.....			8,708.00	.....	8,708.00	570
2,081.00	.....			2,081.00	.....			8,041.00	.....	8,041.00	571
10,400.00	.....			10,400.00	.....			8,688.00	.....	8,688.00	572
4,000.00	.....			4,000.00	.....			5,250.00	.....	5,250.00	573
60,500.00	.....			60,500.00	.....			25,290.00	.....	25,290.00	574
16,102.00	.....			16,102.00	.....			6,480.00	.....	6,480.00	575
9,978.00	.....			9,978.00	.....			3,400.00	.....	3,400.00	576
1,449.00	.....			1,449.00	.....			8,087.00	.....	8,087.00	577
8,751.00	.....			8,751.00	.....			2,600.00	.....	2,600.00	578
10,000.00	.....			10,000.00	.....			6,093.00	.....	6,093.00	579
1,320.00	.....			1,320.00	.....			6,480.00	.....	6,480.00	580
20,310.00	.....			20,310.00	.....			3,026.00	.....	3,026.00	581
2,132.00	.....			2,132.00	.....			40,718.00	.....	40,718.00	582
15,600.00	.....			15,600.00	.....			19,674.00	.....	19,674.00	583
22,800.00	.....			22,800.00	.....			16,905.00	.....	16,905.00	584
18,528.00	.....			18,528.00	.....			4,520.00	.....	4,520.00	585
8,762.00	.....			8,762.00	.....			6,290.00	.....	6,290.00	586
4,976.00	.....			4,976.00	.....			27,522.00	.....	27,522.00	587
5,847.00	.....			5,847.00	.....			18,148.00	.....	18,148.00	588
100,384.00	.....			100,384.00	.....			13,063.00	.....	13,063.00	589
11,620.00	.....			11,620.00	.....			13,752.00	.....	13,752.00	590
173,293.00	.....			173,293.00	.....			12,601.00	.....	12,601.00	591
2,380.00	.....			2,380.00	.....			2,885.00	.....	2,885.00	592
247,404.00	.....			247,404.00	.....			3,700.00	.....	3,700.00	593
82,834.00	.....			82,834.00	.....			2,885.00	.....	2,885.00	594
9,000.00	.....			9,000.00	.....			18,148.00	.....	18,148.00	595
87,723.00	.....			87,723.00	.....			13,063.00	.....	13,063.00	596
6,668.00	.....			6,668.00	.....			13,752.00	.....	13,752.00	597
18,148.00	.....			18,148.00	.....			12,601.00	.....	12,601.00	598
18,148.00	.....			18,148.00	.....			21,786.00	.....	21,786.00	599
35,000.00	.....			35,000.00	.....			3,700.00	.....	3,700.00	600
5,568.00	.....			5,568.00	.....				.....		601
	.....				.....				.....		602

a affected twenty persons. *b* affected fifty persons. *c* affected thirty persons.
f board furnished in addition. *h* affected six persons. *i* affected sixty-three persons.

COUNTY.

\$ 1,600.00	.....			\$ 1,600.00	.....			\$ 4,720.00	.....	\$ 4,720.00	603
11,583.00	.....			11,583.00	.....			720.00	.....	720.00	604
5,000.00	.....			5,000.00	.....				.....		605

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Number of establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of Increase	Per cent of Decrease
TAMA									
606	Brick and tile mfg.	4	43			10	218	0	0
UNION									
607	Broom mfg.	1	3			9	310	0	0
608	Cigar mfg.	1	4			8	310	0	0
609	Hotel.	1	9	18		12	365	0	0
610	Laundry.	1	7	7		9	312	b 20%	0
611	Locomotive and car repairing.	1	107			10	399	0	0
612	Sheet metal roofing mfg.	1	10			9	313	0	0
613	Printing and binding.	1	3			9	308	0	0
614	Printing and publishing.	2	11	5	c 22	9	312	0	0
615	Telephone exchange.	1	4	11		9	365	d 5%	

a board and room in addition. b affected 4 persons. c newsboys. d affected

VAN BUREN

616	Cigar mfg.....	1	2	2		8	313	0	0	
617	Woolen cloth and clothing mfg.....	1	22	38		10	300	0	0	

WAPELLO

618	Box car loaders mfg.....	1	59			10	319	0	0	
619	Brewery.....	1	34			12	245	0	0	
620	Carpenters squares mfg.....	1	21			9	290	0	0	
621	Cigars mfg.....	4	39	37	2	9	306	0	0	
622	Confectionery mfg.....	1	4	12		10	300	0	0	
623	Drilling machines and miners supplies.....	1	22	21		9	300	0	0	
624	Haying machinery mfg.....	1	210			10	319	0	0	
625	Ice mfg.....	1	9			10	300	0	0	
626	Laundry.....	2	23	48		9	310	a 5%		
627	Meat and produce.....	2	39	9		10	310	0	0	
628	Pork and beef packing.....	1	722	113	27	10	307	b 5%		
629	Printing and publishing.....	1	31	5		9	312	b		
630	Rock drill mfg.....	1	17			9	323	c 12%		
631	Sash, doors and interior finish mfg.....	1	43			9	309	0	0	
632	Transfer, bus and livery.....	1	42			10	365	0	0	
633	Wholesale beer and liquors.....	2	20			10	319	d 8%		
634	Wholesale drugs.....	1	20	3		10	312	0	0	
635	Wholesale groceries.....	2	15			10	319	0	0	
636	Wholesale hardware.....	2	7	2		10	319	e 5%		
637	Wooden handle mfg.....	1	6			10	289	f 10%		

a affected 8 employees. b reduced hours from 9 to 8 with same rate of pay. employees. c Indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employees					Marginal No.					
Adult males	Adult fe- males	Child- ren under 16	Total	Number		Total Amount Paid in Salaries during the year 1905								
				Men	Women	Men	Women	Total						
COUNTY.														
\$ 17,399.00									606					
COUNTY.														
1,300.00				\$ 1,300.00					607					
2,600.00				2,600.00					608					
a 2,623.00				a 2,623.00					2	\$ 840.00	\$ 840.00	609		
4,056.00				5,616.00								610		
69,830.00				69,830.00					9		8,550.00	8,550.00	611	
5,900.00				5,900.00					1		1,600.00	1,600.00	612	
1,135.00				1,135.00									613	
4,525.00				9,286.00					6	1	4,400.00	\$ 400.00	4,800.00	614
3,116.00				4,388.00					1	1	1,200.00	336.00	1,536.00	615
6 persons.														
COUNTY.														
\$ 880.00				\$ 1,362.00									616	
\$ 5,218.00				15,080.00					4		\$ 4,120.00	\$ 4,120.00	617	
COUNTY.														
\$ 39,213.00				\$ 39,213.00					6	3	\$ 5,000.00	\$ 1,300.00	\$ 6,300.00	618
19,033.00				19,033.00					2		2,627.00	832.00	3,459.00	619
11,865.00				19,855.00							1,400.00		1,400.00	620
19,455.00				21,643.00					2					621
2,310.00				2,310.00										622
15,791.00				19,125.00					4		3,569.00	386.00	3,955.00	623
100,898.00				100,898.00					12	2	12,723.00	936.00	13,659.00	624
4,500.00				4,500.00					1		300.00		300.00	625
15,532.00				29,848.00										626
1,383.00				19,855.00							4,280.00		4,280.00	627
516,513.00				542,401.00					85	2	75,000.00	720.00	75,720.00	628
29,000.00				31,800.00										629
19,860.00				19,860.00							2,255.00		2,255.00	630
28,000.00				28,000.00						1		468.00	468.00	631
21,849.00				21,849.00						1		300.00	300.00	632
9,225.00				11,428.00					16		10,101.00		10,101.00	633
8,196.00				8,196.00					36	6	31,405.00	3,000.00	34,405.00	634
3,862.00				5,006.00					31	3	23,272.00	1,004.00	24,276.00	635
2,216.00				2,216.00					2		1,320.00		1,320.00	636

e affected 3 employees. d affected 2 employees. e affected 10 employees. f affected 3

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Number of establishments reporting	Average number of wage-earners for 1905			Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16		Per cent of increase	Per cent of decrease
						Hrs. worked per day		
						1905		

WARREN

638	Dry goods.....	1				10	310	
639	Printing and publishing...	1				10	310	

WASHINGTON

640	Brick and tile mfg.....	2	20			10	294	0
641	Vehicle mfg.....	1	5			9 1/2	310	0
642	Wagon boxes mfg.....	1	7			10	270	0

a affected two employees.

WEBSTER

643	Brick and tile mfg.....	3	90			10	220	0
644	Cereal products mfg.....	1	85	82		12	270	0
645	Cigar mfg.....	1	4			8	300	
646	Drayage and storage.....	1	18			10	310	
647	Greenhouse.....	1	7			10	300	
648	Gypsum rock mining.....	1	65			10	253	0
649	Implements and wagons sold.....	1				10	300	0
650	Hardware, retail.....	1				10	310	0
651	Laundry.....	1	9	18		9	310	0
652	Locomotive and car repairing.....	1	18			10	365	0
653	Machine shop.....	1	8			10	305	
654	Printing and publishing.....	2	9	4		8	312	0
655	Stoneware mfg.....	1	25		1	9	273	0
656	Wholesale fruit.....	1	10			10	300	
657	Womens shoes mfg.....	1	102	88	1	10	310	

WINNESHIEK

658	Plumbing, heating and re-pairing.....	1	6			10	310	0
659	Printing and publishing.....	3	28			9	305	a 10s
660	Sash, doors and blinds mfg	1	21			10	307	b 3s

a affected seventeen employees.

b affected five employees.

WOODBURY

661	Agricultural mach. jobbers	1				10	210	
662	Architectural iron works.....	1	10			10	310	0
663	Bakery.....	3	43	5		10	310	a 8s
664	Beef and pork packing.....	2	24	6	21	10	310	0
665	Bottling works.....	2	13			10	310	0
666	Brick and tile mfg.....	4	110			10	300	0
667	Brooms mfg.....	1	9			10	300	0
668	Cider, mfg and grocery jobbers.....	1	3			10	300	0
669	Cigars mfg.....	3	27			8	310	0
670	Cigar boxes mfg.....	1	5	11		10	290	
671	City water supply.....	1	16	1		10	310	0

0 no change.

REPORT—, CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employees					Marginal No.
Adult males	Adult fe- males	Child- ren under 16	Total	Number		Total Amount Paid in Salaries during the year 1905			
				Men	Women	Men	Women	Total	
COUNTY.									
				2	7	\$ 1,200.00	\$ 2,100.00	\$ 3,300.00	638
				6	1	2,000.00	150.00	2,150.00	639
COUNTY.									
4,382.00			4,382.00						640
2,300.00			2,300.00						641
3,500.00			3,500.00	1		500.00		500.00	642
COUNTY.									
\$ 27,736.00			\$ 27,736.00	2	7	\$ 1,248.00		\$ 1,248.00	643
28,940.00	13,100		72,140.00	7	1	4,000.00	\$ 780.00	4,780.00	644
1,720.00			1,720.00						645
7,132.00			7,132.00						646
3,600.00			3,600.00						647
29,914.00			29,914.00	5	1	5,500.00	500.00	6,000.00	648
				8	2	8,700.00	780.00	9,480.00	649
				16	1	11,482.00	820.00	12,002.00	650
5,674.00	6,136		11,810.00						651
13,085.00			13,085.00						652
4,152.00			4,152.00						653
5,174.00	1,976		7,150.00	4	2	3,226.00	936.00	4,172.00	654
17,750.00		229	17,979.00	3	1	2,500.00	300.00	2,800.00	655
5,000.00			5,000.00	9	1	6,000.00	320.00	6,320.00	656
51,111.00	15,325	195	66,631.00						657
COUNTY.									
4,500.00			4,500.00						658
14,300.00			14,300.00		4		1,612.00	1,612.00	659
9,122.00			9,122.00	5	1	4,720.00	480.00	5,210.00	660
COUNTY.									
\$ 5,000.00				14	2	\$ 15,302.00	\$ 1,516.00	\$ 16,908.00	661
29,126.00	\$ 1,028		31,256.00						662
410,627.00	1,859	4,800	417,287.00	68		58,956.00	58,956.00	58,956.00	663
5,072.00			5,072.00	3	2	3,100.00	600.00	3,700.00	664
61,438.00			61,438.00	7		5,470.00		5,470.00	665
2,946.00			2,946.00	2		720.00		720.00	666
2,190.00			2,190.00	5	1	7,800.00	500.00	8,300.00	667
18,500.00			18,500.00	2		2,040.00		2,040.00	668
2,700.00	3,200		5,900.00						669
13,068.00	600		13,668.00						670

COUNTY.

					2	7	\$ 1,300.00	\$ 2,100.00	\$ 3,300.00	638
					6	1	2,000.00	150.00	2,756.00	639

COUNTY.

	4,382.00			4,382.00						640
	2,306.00			2,306.00						641
	3,590.00			3,590.00	1		300.00		300.00	642

COUNTY.

\$ 27,736.00				\$ 27,736.00	2		\$ 1,248.00		\$ 1,248.00	643
38,946.00	13,100			72,100.00	7	1	4,000.00	\$ 780.00	4,780.00	644
				7,720.00						645
				7,939.00						646
				3,600.00						647
39,914.00				39,914.00	5	1	5,500.00	500.00	6,000.00	648
					8	2	8,700.00	780.00	9,480.00	649
					16	1	11,482.00	820.00	12,002.00	650
5,674.00	6,136			11,850.00						651
				13,085.00						652
				4,123.00						653
		1,976		3,150.00	4	2	3,236.00	938.00	4,172.00	654
				17,750.00	3	1	2,500.00	300.00	2,800.00	655
			220	17,970.00	9	1	6,000.00	320.00	6,320.00	656
5,900.00				6,031.00						657
51,111.00	15,325	195								

COUNTY.

4,500.00				4,500.00						658
14,300.00				14,300.00		4		1,612.00	1,612.00	659
9,122.00				9,122.00	5	1	4,750.00	480.00	5,210.00	660

COUNTY.

					14	2	\$ 15,302.00	\$ 1,516.00	\$ 16,908.00	661
\$ 5,000.00										662
29,108.00	\$ 3,398			31,556.00						663
419,697.00	1,859	4,850		417,397.00	68		58,956.00		58,956.00	664
				9,072.00	2	8	2,100.00		2,700.00	665
61,428.00				61,428.00			5,450.00		5,450.00	666
				2,846.00	2		720.00		720.00	667
				2,190.00		5	1,800.00	500.00	8,300.00	668
18,500.00				18,500.00	2		2,040.00		2,040.00	669
2,700.00		3,390		6,000.00						670
13,968.00		600		13,968.00						671

EMPLOYERS' STATISTICAL

Marginal No.	Character of Industry	Number establishments reporting	Average number of wage-earners for 1905			Hrs. worked per day	Days in operation during 1905	Changes in Wages in Per Cent for Year 1905	
			Adult males	Adult females	Children under 16			Per cent of increase	Per cent of decrease
WOODBURY									
672	Coal dealing and contracting	1	15			10	319	0	0
673	Commercial agency	1				10	319	0	0
674	Cornice mfg.	1	6			9	319	0	0
675	Department store	2	80	86	22	19	319	0	0
676	Desiccating eggs	1	11	9		10	319	0	0
677	Flour and feed milling	5	70			10	300	0	0
678	Fence mfg.	1	5			19	320	0	0
679	Furnace mfg. and foundry work	1	39			10	308	0	0
680	Garments mfg.	1	5	60		9	310	0	0
681	Hardware, retail	1	6			10	300		
682	Hardware, jobbers	1	34			10	307		
683	Hotel	1	93	42		12	365	0	0
684	Ice handling	1	85			10	326	c 12½	
685	Laundry	1	7	11		10	319	0	0
686	Live stock commission	3	149			12	365	0	0
687	Machine repairing	1	12			10	308	0	0
688	Meat and produce	1				10	319	0	0
689	Mercantile agency	1				8	319	b 0	
690	Messenger, night watch and fire alarm	1	4	1	13	94	365	0	0
691	Printing and publishing	1	32	2	50	8	213	0	0
692	Printing and printers' supplies	2	38			84	310	0	0
693	Poultry dressing	1	16			10	216		
694	Railroad transportation	1	21			8	365	d 6½	
695	Sash and doors mfg.	1	91			10	310	0	0
696	Soap mfg.	1	16	12		10	310	0	0
697	Storage, transfer and drayage	1	5			10	312	0	0
698	Street railway	1	298			10	365	0	0
699	Tannery and robes mfg.	1	4			8	300	0	0
700	Telegraph	1	22	4	2	12	365	0	0
701	Wagons and carriages mfg.	1	9			10	310	0	0
702	Wall paper and painting	1	8	15		8	310	0	0
703	Wholesale drugs	1	28	5		10	310	0	0
704	Wholesale fruit	2	80			10	319	e 5½	
705	Wholesale groceries	4	58	3		10	319	0	0
706	Wholesale odds	1				10	310	0	0
707	Wholesale and retail furniture	1				10	310	0	0
708	Wholesale and retail glass and paints	1				10	310		
709	Wholesale and retail liquor and beer	1				9	300	0	0
710	Wholesale saddlery	1	16			10	313		
711	Wholesale steam fittings	1	4			10	310		

a Affected nineteen employees. b Slight increase to all employees, amount not forty employees.

WRIGHT

712	Electric light, gas, power and heat	1	5			12	365	0	0
713	Grain and coal dealers	1	14	1		10	310		
714	Locomotive and car repairing	1	124			8	365	0	0
715	Planing mill products mfg.	1	4	1		10	310		

0 Indicates none.

REPORT—CONTINUED.

Total Amount Paid in Wages during the year 1905 to				Superintendents, managers, clerks and other salaried employees					Marginal No.
Adult males	Adult fe- males	Child- ren under 18	Total	Number	Total Amount Paid in Salaries during the year 1905				
					Men	Women	Men	Women		Total
COUNTY—CONTINUED.									
\$ 10,506.00			\$ 10,506.00	2		\$ 2,100.00		\$ 2,100.00	672
4,216.00			4,416.00	5	2	1,836.00	\$ 884.00	2,620.00	673
53,246.00	37,420	\$ 4,800	95,776.00	85	103	56,890.00	46,249.00	103,139.00	674
5,824.00	4,040		9,704.00	1	3	1,800.00	2,000.00	3,800.00	675
39,772.00			39,772.00	5	1	6,000.00	850.00	6,850.00	676
3,000.00			3,000.00	1		900.00		900.00	677
12,583.00			12,583.00	1	1	1,200.00	600.00	1,800.00	678
1,000.00	21,000		22,000.00	5		8,857.00		8,857.00	679
3,720.00			3,720.00	27	6	45,788.00	3,160.00	48,948.00	680
13,147.00			13,147.00	1		780.00		780.00	681
34,840.00	12,610		47,450.00	8					682
31,982.00			31,982.00	12	2	11,649.00	1,420.00	13,069.00	683
4,004.00		981	4,985.00	3		5,060.00	2,520.00	5,580.00	684
75,745.00			75,745.00	8					685
3,750.00			3,750.00	3					686
				31	7	81,320.00	3,880.00	84,900.00	687
1,584.00	300	2,317	4,201.00	2					688
24,948.00	728	4,212	29,888.00	12	3	2,301.00	1,924.00	10,347.00	689
27,388.00			27,388.00	1		940.00		940.00	690
8,601.00			8,601.00	2		11,400.00		12,185.00	691
11,401.00			11,401.00	2			1,092.00	1,092.00	692
11,415.00			11,415.00	2					693
9,441.00	2,044		11,485.00	2		1,200.00	408.00	1,608.00	694
4,368.00			4,368.00	12	3	11,433.00	485.00	11,978.00	695
156,291.00			156,291.00	4	3	2,300.00	800.00	3,100.00	696
1,200.00			1,200.00	2		1,800.00		1,800.00	697
14,067.00	1,820	360	16,247.00	4	1	2,000.00	256.00	2,256.00	698
5,000.00			5,000.00	8					699
15,000.00			15,000.00	130	14	134,197.00	7,884.00	141,581.00	700
15,029.00	2,134		17,163.00	19	2	15,380.00	1,200.00	16,380.00	701
44,319.00			44,319.00	21	2	12,460.00	1,000.00	13,460.00	702
81,997.00	1,062		86,059.00	8	2	5,370.00	1,080.00	6,450.00	703
				9		8,000.00		8,000.00	704
7,875.00			7,875.00	7		4,697.00	280.00	4,977.00	705
2,777.00			2,777.00	10	2	11,762.00	888.00	12,750.00	706

ated. c Affected forty employees. d Affected twenty employees. e Affected

COUNTY.

\$ 3,100.00			\$ 3,100.00	1	\$ 1,200.00	\$ 420.00	\$ 1,620.00	712
8,430.00	\$ 540		8,940.00					713
81,508.00			81,508.00	14	10,920.00		10,920.00	714
1,705.00			1,705.00					715

SUMMARY BY COUNTIES OF EMPLOYERS'

BUREAU OF LABOR STATISTICS

STATISTICAL REPORT—TABLE No. 2

STATISTICAL REPORT—TABLE No. 2.																			
Marginal number	County	Number establishments reporting	Average Number of Wage-Earners for 1905			Total Amount Paid in Wages During the Year 1905				Average increase in rate of wages during 1905	Number of employees affected	Average hours worked per day	Average days in operation during 1905	Superintendents, Managers, Clerks and Other Salaried Employees					Marginal number
			Adult males	Adult females	Children under 16	Adult males	Adult females	Children under 16	Total					Average Number		Total Amount Paid in Salaries During the Year 1905			
														Men	Women	Men	Women	Total	
1	Adams	2	5			\$ 2,365			\$ 2,365										
2	Allamakee	2				2,313			2,313										
3	Appanoose	8	81	4	2	43,007	1,000	8	44,449										
4	Benton	3	148			85,123			85,123										
5	Black Hawk	26	1,053	85	1	562,885	23,055	150	586,100	5	3								
6	Boone	9	222	26		131,758	5,154		136,912	11	342								
7	Bremer	3	27			13,259	250		13,509										
8	Buchanan	3	11	7		3,569	2,250		6,159										
9	Cass	4	37			20,980			20,980										
10	Cerro Gordo	15	287	36		159,214	10,646		169,260										
11	Cherokee	2	7			2,816	400		3,216										
12	Clayton	4	202		12	76,041		3,453	79,494										
13	Clinton	30	1,307	146	47	640,452	36,179	12,602	689,240										
14	Crawford	4	23		2	9,310		125	9,435										
15	Dallas	5	79			24,580		600	25,180										
16	Des Moines	43	1,044	104	25	1,152,006	44,472	6,329	1,192,807										
17	Dubuque	62	1,832	751	143	924,152	171,825	15,269	1,110,946										
18	Fayette	2	26	3		16,207	832		17,039										
19	Floyd	3	137	30		72,319	6,364		78,683										
20	Franklin	8				4,016			4,016										
21	Grundy	4	34	5	1	11,775	1,000	75	13,450										
22	Guthrie	3	16			7,961			7,961										
23	Hamilton	7	134	8		66,491	636		67,127										
24	Hancock	2	6	2	1	3,290	500		3,790										
25	Hardin	3	115	2	1	70,968			70,968										
26	Harrison	3	264			141,753			141,753										
27	Ia	2	9		1	5,145		190	5,335										
28	Iowa	3	26	2		11,640		480	12,120										
29	Jackson	6	164	1		76,298	960		76,648										
30	Jasper	6	165	9		88,499	1,450		89,949										
31	Jefferson	6	29	6		16,730	730		17,460										
32	Johnson	10	179	68	3	160,272	19,458	432	180,162										
33	Jones	6	75	4		35,914	5,775	1,575	42,264										
34	Kossuth	6	15			5,442			5,442										
35	Lee	49	1,563	81	1	633,643	24,338	77	658,059										
36	Linn	44	1,797	138	47	928,418	37,168	8,785	972,366										
37	Lucas	3				8,306			8,306										
38	Madison	2	5	1		2,408			2,733										
39	Mahaska	20	228	27	4	116,194	1,900	1,136	119,190										
40	Marion	4	48	4	3	780			780										
41	Marshall	22	658	28	1	367,524	7,074	256	374,854										
42	Miller	2				1,759			2,470										
43	Mitchell	3	21	5	1	7,796	1,000		8,796										
44	Monona	2	8			3,193			3,193										
45	Montgomery	9	73	2		68,759	19,800		88,559										
46	Muscatine	29	1,504	266	90	689,898	63,441	13,151	766,490										
47	O'Brien	2	12			5,562			5,562										
48	Page	10	48	15	10	44,886	3,155	2,963	50,125										
49	Palo Alto	2																	
50	Plymouth	4				23,004	325		23,329										
51	Polk	105	2,619	1,000	68	1,535,419	320,840	19,015	1,896,280										
52	Pottawattamie	25	429	66	1	236,590	8,709	12,616	249,905										
53	Poweshiek	6	22			11,045			11,045										
54	Sac	6	73	2		3,769			3,769										
55	Scott	71	2,404	665	105	1,286,344	158,494	21,564	1,466,402										
56	Sioux	6	33	5	1	18,183	1,200	240	19,623										
57	Tama	4	43			17,396			17,396										
58	Union	10	158	41	22	96,742	8,307	1,196	106,245										
59	Van Buren	2	34	40		9,098	7,344		16,442										
60	Wapello	28	1,354	250	73	850,650	61,073	7,465	919,190										
61	Warren	2				10,182			10,182										
62	Washington	4	32			10,182			10,182										
63	Webster	18	448	145	2	242,796	36,371	415	279,718										
64	Winnebago	5	55			27,922			27,922										
65	Woodbury	72	2,397	377	109	1,291,143	95,326	17,530	1,403,999										
66	Wright	4	147			48,862			48,862										
882			24,000	4,645		783,813,245,837,81,302,407,8129,303,514,576,184													
										8.64	4,677	9.95	298	4,638	1,425,94,045,538	8	600,804,84,655,432		

CANNING INDUSTRY OF IOWA.

The following table on the canning industry of Iowa was decided on as being the best means of presenting the information furnished by the operators of such plants on the regular statistical blanks. It will be noticed that it would be impossible to arrive at an average yearly wage for men, women or children on account of the irregularity of work, most of the work being done in fifty or sixty days during the months of August and September, therefore, it was deemed advisable to present this information separately instead of allowing it to go in the employers' statistical table as a confusing element.

The information as presented in table No. 1 shows by counties, number of plants reporting, time plants were in operation with full force, number of men, women and children employed during each month of the year, hours worked per day, amount paid in wages to men, women and children, and total amount paid in wages; also number of men and women employed as superintendents, managers, clerks, etc., and amount of wages paid, and total amount paid to both men and women.

The footings at the bottom of the table show total number of men, women and children employed each month of the year, total amount paid to men, women and children, and total amount paid in wages to all wage earners; also total number of men and women employed as superintendents, managers, clerks, etc., and the amount of salaries paid to them, and total amount paid to both men and women.

Table No. 2 is a list of graded wages and salaries which shows rate of wages paid to the different divisions of occupation in the canning industry, hours worked per day and week, and increase or decrease in the rates paid during the year 1905.

STATISTICAL REPORT ON CANNING

Collected from employers oper-

	Number of men, women and children employed each month during the year 1905.												No. of days in operation
	January	February	March	April	MAY	June	July	August	September	October	November	December	
Men.....	10	5	15	20	12	12	22	350	450	29	9	8	30
Women.....	1	1	.....	3	.....	.....	.....	200	215	3	.....	.....	.....
Children.....	.....	.....	.....	.....	.....	.....	.....	50	65	.....	.....	.....	.....

BENTON

Men.....	10	5	15	20	12	12	22	350	450	29	9	8	30
Women.....	1	1	.....	3	.....	.....	.....	200	215	3	.....	.....	.....
Children.....	.....	.....	.....	.....	.....	.....	.....	50	65	.....	.....	.....	.....

Two establishments reported, one in full operation 34 days and one 25 days, one operates 10 hours per day and one 12 hours.

BLACK HAWK

Men.....	1	2	18	31	29	33	30	360	475	29	23	10	31
Women.....	3	3	3	3	5	5	5	330	398	8	5	3	.....
Children.....	.....	.....	.....	.....	.....	.....	.....	15	15	.....	.....	.....	.....

Three establishments reported, one in full operation 40 days, one 30 days and one 22 days. All operate 10 hours per day.

BREMER

Men.....	5	5	5	5	5	5	5	100	200	100	20	20	30
Women.....	.....	.....	.....	.....	.....	.....	.....	50	50	25	.....	.....	.....

One establishment reported in full operation 90 days and 10 hours per day.

BUCHANAN

Men.....	3	3	3	3	4	4	4	10	125	25	10	10	30
Women.....	.....	.....	.....	.....	.....	.....	.....	.....	40	.....	.....	.....	.....

One establishment operates from 10 to 13 hours per day in season.

CALHOUN

Men.....	1	1	14	6	7	3	6	103	103	10	8	1	40
Women.....	.....	8	3	3	3	2	.....	89	89	.....	.....	.....	.....
Children.....	.....	.....	1	1	.....	.....	.....	27	27	.....	.....	.....	.....

One establishment operates 13 hours per day in season.

CASS

Men.....	5	5	15	20	20	50	50	272	272	20	20	7	52
Women.....	.....	.....	.....	.....	.....	25	25	104	104	16	16	4	.....
Children.....	.....	.....	.....	.....	.....	4	4	19	19	2	2	1	.....

One establishment operates 12 hours per day in season.

INDUSTRIES OF IOWA—Table No. 1.

ating canning establishments.

Total amount paid in wages during the year 1905 to:				Superintendents, managers, clerks and other salaried employes				
				Number		Total amount paid in salaries during the year 1905		
Adult males	Adult females	Children under 16	Total	Men	Women	Men	Women	Total
\$ 18,709	\$ 2,480	.....	.....	4	1	\$ 4,700	\$ 600	\$ 5,300
.....	.....	\$ 1,800	\$ 22,989	.....	.....	.....	.....	.....

COUNTY

COUNTY.

\$ 21,746	\$ 10,892	.....	.....	6	1	\$ 6,280	\$ 680	\$ 6,960
.....	.....	\$ 917	\$ 38,155	.....	.....	.....	.....	.....

COUNTY.

\$ 15,000	\$ 5,000	.....	.....	2	1	\$ 3,000	\$ 500	\$ 3,500
.....

COUNTY.

\$ 6,300	\$ 500	.....	.....	1	.....	\$ 1,300	.....	\$ 1,500
.....

COUNTY.

\$ 6,005	\$ 1,500	.....	.....	3	.....	\$ 2,500	.....	\$ 2,500
.....	.....	\$ 250	\$ 8,350	.....	.....	.....	.....	.....

COUNTY.

\$ 18,769	\$ 4,720	.....	.....	1	.....	\$ 800	.....	\$ 800
.....	.....	\$ 309	\$ 23,907	.....	.....	.....	.....	.....

STATISTICAL REPORT ON CANNING

	Number of men, women and children employed each month during the year 1905.												No. of days in operation
	January	February	March	April	May	June	July	August	September	October	November	December	

DES MOINES

Men	3	3	3	3	3	3	8	8	8	3	3	3	308
Women	4	4	4	4	4	4	10	10	10	4	4	4	

One establishment operates 10 hours per day in season.

FAYETTE

Men				5	5	5	5	75	75	6	6	6	29
Women								35	35				
Children								15	15				

One establishment operates 10 hours per day in season.

FREMONT

Men	1	1	1	5	5	6	7	40	40	5	5	5	60
Women								60	60	4	4	4	
Children								20	20				

One establishment operates 10 hours per day in season.

IOWA

Men	1	2	2	2	2	2	2	8	50	2	2	2	18
Women								12	12				
Children								2	2				

One establishment operates 12 hours per day in season.

JONES

Men	1	1	3	3	1	1	3	31	46	7	2	2	24
Women								56	53	3			
Children								29	27				

One establishment operates 94 hours per day in season.

LEE

Men	12	11	11	13	12	16	22	48	75	47	18	6	98
Women	11	11	11	9	12	13	29	65	102	31	11	5	
Children								5	5				

One establishment operates 98 days, eight hours per day, and one 310 days, 10 hours per day.

LOUISA

Men	3	3	3	3	3	3	3	270	290	135	14	30	139
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One establishment operates 10 hours per day in season.

INDUSTRIES OF IOWA—CONTINUED.

Total amount paid in Wages during the year 1905 to:				Superintendents, managers, clerks and other salaried employes				
				Number		Total amount paid in salaries during the year 1905		
Adult males	Adult females	Children under 16	Total	Men	Women	Men	Women	Total

COUNTY.

\$ 1,130	\$ 505		\$ 1,635	2	3	0	1,324	\$ 600	\$ 2,124
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COUNTY.

\$ 7,021				3			\$ 1,750		\$ 1,750
	\$ 200		\$ 7,226						

COUNTY.

\$ 2,500									
	\$ 2,000								
		\$ 500	\$ 5,000						

COUNTY.

\$ 2,400				3			\$ 1,700		\$ 1,700
	\$ 600								
		\$ 20	\$ 3,020						

COUNTY.

\$ 2,970				2			\$ 1,600		\$ 1,600
	\$ 520								
		\$ 317	\$ 4,107						

COUNTY.

\$ 9,229									
	\$ 5,255								
		\$ 36	\$ 14,520		2		\$ 1,123		\$ 1,123

COUNTY.

\$ 14,828			\$ 14,828						
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TWELFTH REPORT OF THE

STATISTICAL REPORT ON CANNING

Number of men, women and children employed each month during the year 1905.												No. of days in operation.
January	February	March	April	May	June	July	August	September	October ¹	November	December	

MAHASKA

Men	1	1	2	3	3	4	6	30	40	20	8	5	52
Women								30	60	40	5		
Children								3					

One establishment operates 12 hours per day in season.

MARION

Men								20	25	20	10		40
Women								25	30	20	12		
Children								15	15	8	5		

One establishment operates 5 hours per day in season.

POTTAWATTAMIE

Men								3	65	5	5		30
Women									10				

One establishment operates 10 hours per day in season.

SAC

Men								100	100				25
Women								100	100				
Children								75	75				

One establishment operates 10 hours per day in season.

WINNEBAGO

Men								30	30	4	4		30
Women								40	40				
Children								10	10				

One establishment operates 10 hours per day in season.

Total:	53	43	95	122	111	147	173	1,848	2,459	467	167	115	
Men	19	16	26	22	24	50	69	1,134	1,398	167	65	20	
Women								278	285	10	7	1	
Children				1	1	6	4						

BUREAU OF LABOR STATISTICS

INDUSTRIES OF IOWA—CONTINUED.

Total amount paid in wages during the year 1905 to:				Superintendents, managers, clerks and other salaried employees.				
				Number		Total amount paid in salaries during the year 1905.		
Adult males	Adult female	Children under 16	Total	Men	Women	Men	Women	Total

COUNTY.

\$ 1,800				2		\$ 3,350		\$ 3,350
\$ 1,320								
	\$ 32	\$ 9,172						

COUNTY.

\$ 800				1		\$ 500		\$ 500
\$ 965								
	\$ 229	\$ 1,694						

COUNTY.

\$ 5,020						\$ 2,000		\$ 2,000
\$ 535				2				
		\$ 6,555						

COUNTY.

\$ 4,375				2		\$ 2,500		\$ 2,500
	\$ 1,875	\$ 8,700						

COUNTY.

\$ 2,153				2		\$ 1,320		\$ 1,320
\$ 1,014								
	\$ 72	\$ 3,230						

141,435	40,727	6,242	188,404	36	8	33,794	\$ 9,503	37,297
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REPORT ON CANNING INDUSTRY.

TABLE No. 2

SHOWING GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905.

BENTON COUNTY.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905		
			High-est Rate	Med-ium Rate	Low-est Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
<i>Canning of Corn—</i>										
Bookkeeper	M	h	\$.20	.....	.....	12	72	n	n
Common laborers ..	M	h	.15	.....	.....	12	72	n	n
Common laborers ..	F	h	.10	.....	.....	12	72	n	n
Cookers	M	h	.39	.....	.....	15	80	n	n
Engineer	M	h	.25	.....	.....	15	80	n	n
Fireman	M	h	.20	.....	.....	15	80	n	n
Timekeeper	M	h	.15	.....	.....	15	80	n	n
Weigher	F	h	.12	.....	.....	12	80	n	n

BLACK HAWK COUNTY.

<i>Canning of Corn—</i>									
Laborers	M	h	.15			10	60	n	n
Laborers	F	h	.10			10	60	n	n
Machine operators ..	M	h	.20			10	60	n	n

CASS COUNTY.

<i>Canning Corn and Peas—</i>									
Factory hands	M	h	.30	.17½	.12½	10	60	none	none
Factory hands	F	h	.12½		.07½	10	60	none	none
Field hands	M	h	.17½		.15	11	66	none	none

FAYETTE COUNTY.

<i>Canning Corn and Pumpkin—</i>									
Boys	M	h	.06			12	72	none	none
Canwheelers	M	h	.17½		.12½	12	72	none	none
Canguiders	F	h	.10			10	60	none	none
Can inspector	M	h	.10			10	60	none	none
Cappers	F	h	.10			12	72	none	none
Capper attendants ..	M	h	.20			12	72	none	none
Cookers	M	h	.20			12	72	none	none
Cutter feeders	F	h	.10			12	72	none	none
Cutter attendants ..	M	h	.20			12	72	none	none
Dropping cans	F	h	.06			10	60	none	none
Dumpers of corn	M	h	.17½			10	60	none	none
Filling crates	M	h	.06			10	60	none	none
Foreman warehouse ..	M	h	.15			12	72	none	none
Handling hot cans ..	M	h	.16½			10	60	none	none
Holster	M	h	.15			10	60	none	none
Office help	F	h	.07½			10	60	none	none
Patchers	M	h	.16½			12	72	none	none
Scrubbers	M	h	.30		.17½	10	60	none	none
Shedmen	M	h	.17½		.15	10	60	none	none
Teamsters	M	h	.27½		.25	10	60	none	none
Tipsters	M	h	.17½			12	72	none	none
Warehousemen	M	h	.17½			12	72	none	none

n Not reported.

SHOWING GRADED WAGES AND SALARIES WITH HOURS WORKED PER DAY AND WEEK, AND VARIATION IN RATE FOR 1905—CONTINUED.

Kind of Business and Division of Occupation	Male (M) or Female (F)	Rate Basis	Rate of Wages			Working Time		Change in Per Cent for Year Ending Dec. 31, 1905.		
			Highest Rate	Medium Rate	Lowest Rate	Hrs. per Day	Hrs. per W'k	In-crease	De-crease	
IOWA COUNTY.										
Canning of Corn—										
Cap layers	F	h	.12½			12	72	n	n	
Capper	M	h	.20			12	72	n	n	
Cooker	M	h	.30			12	72	n	n	
Cutters	M	h	.12½			12	72	n	n	
Engineer	M	h	.25			12	72	n	n	
Fireman	M	h	.15			15	80	n	n	
Kettlemans	M	h	.17½			12	72	n	n	
Patcher	M	h	.15			12	72	n	n	
Sorters	F	h	.12½			12	72	n	n	
Superintendents ..	M	h	.12½			12	72	n	n	
Timekeeper	M	h	.17½			12	72	n	n	
Tipsters	M	h	.30			12	72	n	n	

JONES COUNTY.

<i>Canning of Corn—</i>									
Firemen and engineer ..	M	h	.20			14	84	none	none
Foremen	M	h	.25	.20	.15	12	72	none	none
Laborers	M	h	.17½		.15	9½	58	none	none
Machine operators ..	M	h	.30		.15	9½	58	none	none
Machine operators ..	F	h	.10			9½	58	none	none
Office help	F	h	.12½			10	60	none	none

LEE COUNTY.

<i>Canning and Pickling Vegetables—</i>									
Barrel trimmers	M	h	.17½			10	60	none	none
Boys	M	h	.10		.07½	10	60	none	none
Laborers	M	h	.15			10	60	none	none
Laborers	F	h	.07½			10	60	none	none
Tipsters	M	h	.20			10	60	none	none

MARION COUNTY.

<i>Canning Tomatoes, Pumpkin and Apples—</i>									
Cappers	M	h	.12½	.10	.08	5	30	n	n
Checkers	M	h	.12½	.10	.08	5	30	n	n
Holsters	M	h	.12½	.10	.08	5	30	n	n
Scalders	M	h	.12½	.10	.08	5	30	n	n
Testers	M	h	.10		.08	5	30	n	n
Tipsters	M	h	.15		.12½	5	30	n	n

SAC COUNTY.

<i>Canning of Corn—</i>									
Engineer	M	h	.25			10	60	none	none
Laborers	M	h	.17½			10	60	none	none
Laborers	F	h	.10			10	60	none	none

n Not reported.

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THIRTEENTH REPORT

OF THE

STATE MINE INSPECTORS

FOR THE

Year Ending June 30, 1906

TO THE

GOVERNOR OF THE STATE OF IOWA

PRINTED BY ORDER OF THE GENERAL ASSEMBLY

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