



## UNITED STATES DEPARTMENT OF LABOR

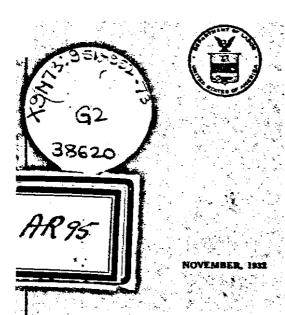
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RUREAU OF LABOR STATISTICS
CHARLES E. BALDWIN, Acting Commissioner

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WAGES AND HOURS OF LABOR SERIES

WAGES AND HOURS OF LABOR IN THE MANUFACTURE OF SILK AND RAYON GOODS: 1931



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# Appendix

# Factory terms of occupations, with definitions, and classification by Bureau of Labor Statistics

| <del></del>                           |                                                                                                                                                                                                                                                                                             |                                |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Factory term                          | Definition                                                                                                                                                                                                                                                                                  | Classified by bureau<br>under— |
| Ager operator                         | Regulates temperature, steam pressure, and ventila-<br>tion of machine, and speed at which cloth or yarn is<br>run through it. This application of moist heat de-<br>velops and fixes the colors on printed cloth or yarn<br>and gives printed designs the appearance of being<br>woven in. | Other employees.               |
| Assistant foreman<br>Automatic weaver | (See Foreman, assistant) Operates tooms used for weaving broad slik in which bobbins of filling are fed into them automatically. The work of weaving is similar to that done by other broadcloth weavers.                                                                                   | Do.<br>Weavers, broad silk.    |
| Back tender                           | Attends rear and of machines used for printing designs<br>or patterns on cloth goods, to see that cloth runs<br>from rolls properly.                                                                                                                                                        | Other employees.               |
| Back winder                           | (See Rewinder) Cuts tie bands, removes covers, and opens bales of raw silk received from importer. This work is often done by soakers.                                                                                                                                                      | Rewinders.<br>Other employees. |
| Bale piler                            | Moves and piles bales of silk in receiving room or other place about the plant.                                                                                                                                                                                                             | Do.                            |
| Baler, waste paper<br>Bander          | (See Paper baler) Laces bands through skeins by hand on four sides of fly to prevent them from becoming tangled when in proc- ees of dysing. This work is done after fly has been placed on banding stand. When 12 skeins have been banded, an identification check is tied on the fly.     | Do,<br>Do,                     |
| Banker                                | (See Croeler) Tends machine which transfers warp from large drums                                                                                                                                                                                                                           | Do.                            |
| Beamer                                | Tends machine which transfers warp from large drums<br>or creeks to smaller ones known as beams, and places<br>a layer of paper between threads at every turn of<br>beam.                                                                                                                   | Do.                            |
| Beltman                               | Installs and repairs power-transmission balts throughout the plant.                                                                                                                                                                                                                         | Dc,                            |
| Blacksmith                            | Does repair weiding of metal parts by hand, or forms parts on anvil with hand hammer.                                                                                                                                                                                                       | Do.                            |
| Blook maker                           | Uses a brush by hand to cement out parts of card-<br>board to make small forms or "blocks" on which<br>ribbon is wound. May also operate a machine<br>which cuts these parts.                                                                                                               | De,                            |
| Board filer                           | (See Creeler) Collects and distributes bobbins, quills, or specis, and sometimes cleans the empty ones.                                                                                                                                                                                     | Do.<br>Bobbin boys.            |
| Bobbin cleaner                        | Uses sand or emery paper to remove accumulated lint<br>or any other substance. This term also applies to<br>those who remove silk from partly filled bobbins left<br>by warpers.                                                                                                            | Do.<br>Other employees.        |
| Bobbin doffer<br>Bobbin fixer         |                                                                                                                                                                                                                                                                                             | Do.<br>Do.                     |
|                                       | Places full bobbins of yarn on scales to determine weight<br>of yarn, as well as for payment of work of winding.                                                                                                                                                                            | De.                            |
| Box loom weever                       | Operates loom containing 2 to 4 boxes on each side and<br>from 3 to 7 shuttles. His duties are very similar to<br>those of any other broadcloth weaver.                                                                                                                                     | Weavers, broad-silk.           |
| Box maker                             | Constructs boxes in which product is shipped                                                                                                                                                                                                                                                | Other employees.               |
| Breaker operator                      | Packs rolls of ribbons in boxes of specified sizes.  Tends machine which removes hard and stiff condi- tion of fabric, which was attained during finishing                                                                                                                                  | Do.<br>Do.                     |
| Broad-silk weaver                     | (See Weaver, broad-silly)                                                                                                                                                                                                                                                                   | Weavers, broad-silk.           |
| Brusher, werp<br>Bundler              | Uses hand drush to straighten warp ends for twister-in.                                                                                                                                                                                                                                     | Other employees.<br>Do.        |
| •                                     | , — · · · · <del>· · · · · · · · · · · · · · </del>                                                                                                                                                                                                                                         | •                              |

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|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Factory term                                   | Definition ,                                                                                                                                                                                                                                                                                               | Clamified by burea<br>under-          |
| Calender operator                              | Tends calender machine, which imparts glass or soft<br>finish to fabric as it passes through it under pressing.                                                                                                                                                                                            | Other employees,                      |
| Card outter, Jacquard                          |                                                                                                                                                                                                                                                                                                            | Da.                                   |
| Card cutter's belper,<br>Jacquard              | Works under supervision of the card cutter, Jacquard                                                                                                                                                                                                                                                       | Do.                                   |
| Carpenter                                      | Makes changes and repairs in woodwork structure of plant.                                                                                                                                                                                                                                                  | Do.                                   |
| Carpenter's helper                             | does other work under his supervision,                                                                                                                                                                                                                                                                     | Do.                                   |
| Carrier, general Carrier, quilla Chain builder | (See Floor boy).<br>(See Quill boy).<br>Constructs steel chains used in looms for pattern way.                                                                                                                                                                                                             | Do.<br>Robbin boys,                   |
| Check clerk                                    | loe.                                                                                                                                                                                                                                                                                                       | Other employees,<br>Do.               |
| Checker                                        | or weight of bobbins in winding or spinning. Also records quantity of materials received, goods produced, etc.                                                                                                                                                                                             | Da.                                   |
| Checker, stock                                 |                                                                                                                                                                                                                                                                                                            | Do.<br>Laborers, dyshouss.            |
| house).<br>Cleaner, cloth                      | machines, tanks, etc.<br>(See Cloth cleaner)                                                                                                                                                                                                                                                               | Other employees.                      |
| Cleaner, harness                               | (See Loom cleener)                                                                                                                                                                                                                                                                                         | l I)o.                                |
| Cleaner, machine                               | (See Machine cleaner)                                                                                                                                                                                                                                                                                      | Do.<br>Do.                            |
| Cleaner-up<br>Cloth cleaner                    | Uses cleaning preparations to remove spots of dirt,                                                                                                                                                                                                                                                        | Do.<br>Do.                            |
| Cloth examiner                                 | grease, stc., from woven goods.<br>Inspects woven cloth for imperfections                                                                                                                                                                                                                                  | Inspectors, cloth,                    |
| Cloth inspector                                | (See Inspector, cloth)                                                                                                                                                                                                                                                                                     | Do.<br>Pickers, cloth.                |
| Cloth printer                                  | (Ser Printer, cloth)                                                                                                                                                                                                                                                                                       | Other employees.                      |
| Cloth stretcher                                | reens and minds tentering machine in which wath of<br>cloth is stretched while wet or steamed, by means<br>of clips attached to two endiess chains misting at<br>specified distances apart, and is then dried under<br>tension; regulates heat of steam pipes or gas jets<br>which supply heat for drying. | Do.                                   |
| Color man Color miner                          | (See Color mixer) Propares colors by mixing specified pigments or other ingredients for printing machines or dye tanks.                                                                                                                                                                                    | Do.<br>Do.                            |
| Conditioner, dik                               |                                                                                                                                                                                                                                                                                                            | Do.                                   |
| Cone wrapper                                   | Examines filled cones for irregularities.  Wraps filled cones in paper by hand to assure perfect condition in transit.                                                                                                                                                                                     | De.<br>De.                            |
| Coner                                          | Operates machine which winds spun yarn from bobbins<br>on to wooden receptacles in shape or form of some for<br>use by knitters of hosiery or underwear.                                                                                                                                                   | Copers.                               |
| Cop examiner                                   | Inspects filled cops to see that they are properly wound.                                                                                                                                                                                                                                                  | Other employees.                      |
| Copper                                         | bins on to cops (paper tubes) instead of quills, for use<br>by weavers as welt or filling in loom shuttles.                                                                                                                                                                                                | Quillers.                             |
| Counter girl                                   | Hands out bobbins for distribution to machines where needed.                                                                                                                                                                                                                                               | Other employees.<br>Do.               |
| Crate maker<br>Creeler                         | (See Box maker)                                                                                                                                                                                                                                                                                            | Do.<br>Do,                            |
| Cut-off man                                    | Because of the multiple number of ribbons woven on<br>each loom a special operator other than weaver, is<br>usually employed to cut off the completed lengths                                                                                                                                              | De.                                   |
|                                                | of woven ribbon from the loom. This work is done with a pair of hand shears.                                                                                                                                                                                                                               | •                                     |
| Cutters, cards, sequard.<br>Degummer           | (See Card cutter, Jacquard)                                                                                                                                                                                                                                                                                | Do.<br>Do.                            |
| Designer                                       | Devises new patterns for weaving cloth on Jacquard looms.                                                                                                                                                                                                                                                  | Do.                                   |
| Distributor (general)                          | Carries goods in process of manufacture from one ma-<br>chine to another.                                                                                                                                                                                                                                  | De.                                   |
| Distributor (quills)<br>Doffer                 | (See Quill boy)                                                                                                                                                                                                                                                                                            | Bebbin boys.<br>Other employees.      |
| Dope mixer                                     | Prepares compound known as "dope" or finishing solu-<br>tion need in finishing process.                                                                                                                                                                                                                    | Do.                                   |
| Doubler                                        | Operates machine which draws two or more threads<br>from as many separate boltzins and winds them on<br>to a single one, at the same time twisting them into<br>a single thread.                                                                                                                           | Doublers.                             |
| Drawer-in                                      | Draws warp ends through the heddle syss of barness in loom.                                                                                                                                                                                                                                                | Enterers.                             |

| Factory term                              | Definition                                                                                                                                                                                                                                                            | Classified by bureau<br>under—         |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 73                                        | (See Straham)                                                                                                                                                                                                                                                         | Other and shapes                       |
| Dresser, warp<br>Drop-wire boy            | (See Slasher) Threads each warp fiber through drop wires (attachment to loom which causes it to stop when a thread is broken).                                                                                                                                        | Other employees.<br>Do.                |
| Dry-room laborer (dye-<br>house).         | Performs all kinds of common labor in dry room of plant.                                                                                                                                                                                                              | Laborers, dychouse.                    |
| Dyehouse laborar<br>Dye-machine hand      | (See Laborer, dyehouse)  Works at and around dye machine under supervision of dyer. Operates machine, placing material on and taking it off; gets chemicals from dyer and prepares both ready for materials; submits sample to dyer for test and final result.        | Do.<br>Do.                             |
| Dye-machine tender<br>Dye-stuff keeper    | Operates dye machine, works at and around it, places<br>material on, takes it off, etc., under direction of dyer.<br>Has charge of dyes and other chemicals used in dyeing,                                                                                           | Other employees.  Do.                  |
| Dye tubman                                | degumming, etc.  Works at or about tubs or vats of dyehouse, placing materials in, working them around in tanks, and                                                                                                                                                  | Laborers, dyehouse.                    |
| Dyer                                      | removing them,<br>Supervises work of degumming, dvaing, matching                                                                                                                                                                                                      | Other employees.                       |
| Dyers' assistant                          | colors, etc., in dyehouse. Assists dver in supervising work in dyahouse                                                                                                                                                                                               | Do.                                    |
| Edge warper                               | (See Warper, edge) Installs and maintains electrical equipment and wiring of plant.                                                                                                                                                                                   | Warpers.<br>Other employees.           |
| Electrician's helper                      | Assists electrican in making changes or repairs in<br>electrical equipment of plant.                                                                                                                                                                                  | De.                                    |
| Elevator operator                         | Operates elevator for hoisting or lowering employees or                                                                                                                                                                                                               | Do.                                    |
| Embroiderer<br>Enterer                    | (See Numberer) Draws warp ends of a new warp through heddle eyes                                                                                                                                                                                                      | Do.<br>Enterers.                       |
| Enterer's helper                          | of loom harness.  Assists enterer by placing warp ends in proper position                                                                                                                                                                                             | Enterer's helpers.                     |
| Enterer, machine                          | to be drawn through heddle eyes of loom harness.  Operates machine which automatically separates each warp end and threads it through each heddle eye of                                                                                                              | Other employees.                       |
| Erector                                   | loom harness.  Is a skilled workman who sets up machines for opera- tion by others.                                                                                                                                                                                   | De.                                    |
| Errand girl                               | Carries messages, packages, and runs errands about                                                                                                                                                                                                                    | Do.                                    |
| Examiners<br>Examiner, cops               | (See Inspector, cloth)                                                                                                                                                                                                                                                | Inspectors, cloth.<br>Other employees. |
| Extractor (dyehouse)<br>Filling boy       | (See Inspector, cloth) (See Cop examiner) (Derstes machine for extracting moisture from goods. Carries full quills and cops of filling to weavers when needed.                                                                                                        | Do.<br>Bebbin boys.                    |
| Filling superintendent<br>Finish mixer    | Has charge of work done in filling or welt department. (See Dope mixer)                                                                                                                                                                                               | Other employees.<br>Do.                |
| Finisher, ribbos                          | Operates machine which steams, presses, and produces irregular waves or smooth finish to surface of ribbon as it masses over or between verious heated rolls.                                                                                                         | Da.                                    |
| Fixer, behbins                            | (See Bobbin fixer)  Repairs and keeps machines in various departments in good running order.                                                                                                                                                                          | Da<br>Da                               |
| Fixer's helper                            | A sciete fiver in reneiring weriess machines should blant                                                                                                                                                                                                             | Do.<br>Smash hands.                    |
| Fixer, warpFloor boy                      | (See Smash hand) (See Warp-machine fixer) Does general unskilled work about plant wherever                                                                                                                                                                            | Other employees.                       |
| Floor checker                             | needed.<br>(See Checker)<br>(See Floor boy)                                                                                                                                                                                                                           | Do.<br>Do.                             |
| Floor helper                              | do                                                                                                                                                                                                                                                                    | Do.                                    |
| Folder, cloth                             | do Operates machine which folds and measures finished cloth as it passes through machine in preparation for the market. A ticket, showing number of yards, is                                                                                                         | Da<br>Da                               |
| Foreman, assistant                        | attached to each piece. Assists foremen in supervising, also does considerable productive work.                                                                                                                                                                       | ; <b>Da</b> , :                        |
| Foreman, sub<br>Garage man                | (See Foreman, assistant) Cares for cleans, polishes, lubricates, and makes minor repairs on trucks and autors of plant                                                                                                                                                | Do.<br>Do.                             |
| Gray boy                                  | Puts on and takes off back cicths which cover rolls of<br>printing machine. The cloths save as a cushion to                                                                                                                                                           | Da.                                    |
| Gray-cloth washer                         | absorb extra color from the ailk. (See Gray-washer tender).                                                                                                                                                                                                           | Do.                                    |
| Orny-washer leborer<br>Orny-washer tender | Loads and unloads gray cloths from truck to washer  Operates machine for washing gray cloth in printing department. Oray cloth is backing used to absorb excessive color from fabric as it is being printed. This backing (gray) cloth is washed after each printing. | Do.<br>Do.                             |

| Factory term                    | Definition                                                                                                                                                    | Classified by bureau<br>ander |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Hander-in                       |                                                                                                                                                               | Enterers' belgers.            |
| Hander-up                       | Is a workman of considerable skill, who has no specific                                                                                                       | Dis. Other employees.         |
|                                 | duties, but is employed on various kinds of work about plant.                                                                                                 |                               |
| Hanger (dyshouse)               |                                                                                                                                                               | Laborers, dyshouss.           |
| Hanger, silk                    | (See Silk hanger)                                                                                                                                             | Other employees.              |
| Hanger, warp                    | (See Wet silk hanger)                                                                                                                                         | Da<br>Da                      |
| Hanger, ribbon                  | Operates machine which measures and cuts specified lengths of ribbon.                                                                                         | Da.                           |
| Hard-silk winder                |                                                                                                                                                               | Windars, hard silk,           |
| Harness builder                 | pattern of cloth which is woven. The harness is a                                                                                                             | Other employees.              |
|                                 | system of threads or wires (heddles with an eye in the center of each), through which warp threads pass in                                                    |                               |
|                                 | the loom. The alternate rising and falling of sections                                                                                                        |                               |
|                                 | of harnesses raises and lowers corresponding warp<br>threads, between which the shuttle carries the filling                                                   |                               |
| Harness cleaner                 | and creates the weave of the cloth.                                                                                                                           | Da                            |
|                                 | all parts of foom harness before it is sgain used.                                                                                                            |                               |
| Harbess maker                   | do                                                                                                                                                            | Da.<br>Do,                    |
| Hooker (dyshouse)               | Removes skeins of yern from vats and hangs them on hooks to drain or dry.                                                                                     | Laborers, dyshouse.           |
| Humidity man                    |                                                                                                                                                               | Other employees.              |
| Inspector, cloth                |                                                                                                                                                               | Inspectors, cioth,            |
| Inspector, cones                |                                                                                                                                                               | Other supleyees,              |
| Inspector, looms                | (See Loom inspector)                                                                                                                                          | Da.<br>Da.                    |
| Inspector, quality              | (See Quality Idadector)                                                                                                                                       | Do.                           |
| Inspector, quills               | (See Quill inspector).  Makes records of goods passing through mill or for ship-                                                                              | Da.<br>Da                     |
|                                 | ment.                                                                                                                                                         | Loom fixers.                  |
| Jacquard fixer                  | Operates loom used for weaving designs of various.                                                                                                            | Weavers, broad-silk.          |
| Knotting-machine oper-          | Operates machina which ties old warp ends to those                                                                                                            | Other employees.              |
| ator.<br>Knotting-machine oper- | of new warp.  Brushes out tangled ends of warp, in preparation for                                                                                            | Do.                           |
| tor's helper.                   | knotting machine operator.  Pastes descriptive labels on finished rolls of ribbon or                                                                          | Do.                           |
| Laboratory assistant            | other product.                                                                                                                                                | Do.                           |
| •                               | simple quality and quantitative tests.                                                                                                                        | -                             |
| Laborer dychouse                | Does heavy and unskilled work about plant and yard.  Does makilled labor such as placing skeips of sik                                                        | Do.<br>Laborera, dyshouss,    |
|                                 | Does unskilled labor, such as placing skeins of slik<br>into "degumming," washing, or dyeing tanks; works                                                     |                               |
|                                 | stock back and forth in any of the solutions; trans-<br>fers stock to various tanks, sto., under direction of                                                 |                               |
| Leger                           | superiors. Uses bands or laces to tie through several sections of                                                                                             | Other employees.              |
|                                 | each skein on four sides of fly to prevent it from                                                                                                            |                               |
| Loom cleaner                    | becoming tangled when in process of dyeing. Uses brush and cotton waste with alsaning prepara-                                                                | Do.                           |
| T #                             | tion to remove dirt, lint, gream, etc., from various<br>parts of loom, and may oil same when nacessary.<br>Is a highly akilled mechanic who sets up, repairs, | _                             |
| Loom fixer                      | Is a highly akilled mechanic who sets up, repairs, _adjusts, and keeps looms in proper running order.                                                         | Loom fixers.                  |
| Loom fixer's apprentice.        | Works with loom fixer to learn duties of the occupation.  Works under supervision of loom fixer in making re-                                                 | Other employees.              |
| Loom girl                       | nairs and adjustments                                                                                                                                         | Do.                           |
|                                 | Helps weavers start looms, and serists smask hands<br>in manding broken werp, filling threads, etc.<br>Examines cloth on loom, which is in process of weav-   | Do.                           |
| Loom inspector                  | Examines cloth on loom, which is in process of weav-<br>ing, to determine whether imperfections of filling                                                    | Da,                           |
| Lot maker and stitcher.         | or warn are being eliminated.                                                                                                                                 | Da.                           |
| Lot maker-up                    | Makes up and stitches lots for machine operations<br>Prepares printed pieces into lots for steamer and ager.                                                  | Do.                           |
| Machina cleaner                 | Uses cleaning preparation on cotton waste to remove                                                                                                           | Do.                           |
| Machine fixer                   | dirt, lint, etc., from looms and other machines.  Makes minor repairs and keeps in good running order machines in various departments of plant.               | De.                           |

| Factory term                     | Definition                                                                                                                                                                                                                                                         | Classified by bureau<br>under— |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
|                                  | Operates machine used for drawing warp ands between<br>blades or thin wires of reed frame which keep the<br>ends separate and in their proper places while weav-<br>ing.                                                                                           | Other employees.               |
| Machine repairer                 | (See Machine fixer) Installs, moves, repairs, and adjusts machines, and                                                                                                                                                                                            | Do.<br>Do.                     |
| Machinist's helper               | makes minor parts. Assists machines in setting up machines, making repairs, and does any other work as directed by him.                                                                                                                                            | Do.                            |
| Magazine boy                     | Keeps magazines of automatic looms filled with quills or cops.                                                                                                                                                                                                     | Do.<br>Do.                     |
| Mail bey                         | in various departments.  Looks after comfort of females who visit rest room                                                                                                                                                                                        | Do.                            |
| Measurer, cloth                  | Measures and cuts woven goods into commercial lengths. Also makes record of variage in each place.                                                                                                                                                                 | Do.<br>Do.                     |
| Measurer, ribbon                 | ribbon into specified isneths for the market.                                                                                                                                                                                                                      | De.                            |
| Mechanic for reclers             | (See Reeler mechanic)                                                                                                                                                                                                                                              | . De.                          |
| Mechanic for winders             | (See Winder mechanic). Assists mechanic in making repairs on machines in                                                                                                                                                                                           | Do.                            |
| Mechanic's helper                | various departments and keeping same in proper running order.                                                                                                                                                                                                      | De.                            |
| Messenger                        | Carries messages, packages, etc., from one department                                                                                                                                                                                                              | Do.                            |
| Millwright  Millwright's helper  | repairs not made by fixers and machinists.                                                                                                                                                                                                                         | Do.                            |
| Mirer, colors                    | pulleys, etc. (See Color mixer) (See Dope mixer) (See Truck pusher) Operates sawing machine for embroidering numbers                                                                                                                                               | De.                            |
| Mixer, dope                      | (See Done mixer)                                                                                                                                                                                                                                                   | Do.                            |
| Moveman.                         | (See Truck pusher)                                                                                                                                                                                                                                                 | Do.                            |
| •                                | or orner designs in soke of sur for mearingsman men.                                                                                                                                                                                                               | _                              |
| Offer                            | shafting, etc.                                                                                                                                                                                                                                                     | Do.<br>Do.                     |
| Oller's halper                   | (See Bale opener)                                                                                                                                                                                                                                                  | Do.                            |
| Opener's helper                  | Assists in opening and removing contents of bales                                                                                                                                                                                                                  | Do.                            |
| Other employees.                 | This group includes all occupations in the industry other than the selected occupations. Each occupation had too few workers in number to warrant separate tabulation, and is defined and arranged alphabetically in this glossary.                                | . Do.                          |
| Painter                          | Uses brush or spray to paint any part of factory build-                                                                                                                                                                                                            | Do.                            |
| Palmer operator                  | Feeds cloth into and operates machine which stretches                                                                                                                                                                                                              | Do.                            |
| Paper baler                      | Piles waste paper into machine which presses it into a compact bundle. Wires are then fastened around to hold it together.                                                                                                                                         | Do.                            |
| Picker, cloth                    | Inspects cloth for imperfections as it comes from loom, picking out loose ends or knotted threads, removing lumps and "mispicks," cleaning spots, etc.  Operates machine which automatically removes loose                                                         | Pickers, cloth.                |
| Picker, cloth, machine           | ends, knotted threads, lumps, or other foreign mat-                                                                                                                                                                                                                | Do.                            |
| Picce weighter<br>Pinner, ribbon | (See Tinman, dychouse)                                                                                                                                                                                                                                             | Other employees.<br>Do.        |
| Pipe man                         | Cuts and fits new pipe where needed. Repairs and<br>maintains steaming, drying, and draining systems<br>of dyshouse and other departments.                                                                                                                         | Ро                             |
| Plumber's helper                 | Assists plumber by passing tools or parts to be used in                                                                                                                                                                                                            | Do.<br>Do.                     |
| Porter                           | repair work.  Does sweeping, cleaning, carrying goods from one department to another, and other common labor about                                                                                                                                                 | Do.                            |
| Preparer, ribbon                 | plant.  Arranges or winds ribbon which has been woven (without color) into skeins or bundles of suitable lengths for dyeing, depending on width, ranging from 60 yards for wide to 600 yards for narrow. These skeins are laced or otherwise tied to prevent being | Do.                            |
| Printer, cloth                   | tangled during dysing process. Operates machine which prints design or pattern on                                                                                                                                                                                  | De.                            |
| Process Inspector                | woven cloth.  Examines for defects goods in process of manufacture                                                                                                                                                                                                 | Do.                            |
|                                  |                                                                                                                                                                                                                                                                    |                                |

|                                         | 4                                                                                                                                                                                  |                                      |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Factory term                            | Definition                                                                                                                                                                         | Classified by bureau<br>under        |
| Production boy                          | (See Chacker)                                                                                                                                                                      | Other employees.                     |
| Quality inspector                       | Examines finished goods for quality test                                                                                                                                           | Do.                                  |
| Quetch operator                         | Runs machine which impresnates cloth with prepara-<br>tion known as finish string which is composed of<br>gelatines, softening oils, etc. It is used to fill body<br>of the cloth. | Do.                                  |
| Quili boy                               | Supplies froms with full quilts of filling yern when-<br>ever needed.                                                                                                              | Bebbin boys.                         |
| Quill cleaner                           | (See Bobbin cleaner)                                                                                                                                                               | Do.<br>Other employees.              |
| Quill distributor                       | (See Quill boy)                                                                                                                                                                    | Bothin boys                          |
| Quill inspector                         | Examines quills of filled years for defects                                                                                                                                        | Other employees,                     |
| Quiller                                 | Operates machine which winds spun yarn from bob-<br>hins on to quills for use by weavers as the weft or<br>filling in loom shuttles.                                               | Quitlers.                            |
| Raw-stock tender                        | Has charge of raw-silk storage; gets out orders; and<br>maintains record of quantity in stock.                                                                                     | Other employees.                     |
| Reyon winder                            | (See Winder, rayou)                                                                                                                                                                | Window, rayon.                       |
| Rebeamer                                | Operates machine which transfers warp from one beam to another.                                                                                                                    | Other employees,                     |
| Reclaimer, soap tank                    | (See Soap recialm tankman)                                                                                                                                                         | De,                                  |
| Redrawer                                | to another.                                                                                                                                                                        | Redrawers.                           |
| Reed fixer                              | frame of loom.                                                                                                                                                                     | Other employees.                     |
| Reed maker                              | Makes up new reed frames for looms or repairs old ones.  The main function of loom reed frame is to keep warp                                                                      | De.                                  |
|                                         | ends separate and to best up the filling to cloth.                                                                                                                                 |                                      |
| Reed man                                | Cleans, stores, and gives out reed frames when needed                                                                                                                              | Do.                                  |
| Reed repairer                           | (See Reed fixer)  Enters warp ends between metal blades or thin wires                                                                                                              | Do.<br>Do.                           |
| *************************************** | of reed frame, which serves to keep the warp ends separate and in proper place while weaving.                                                                                      | 250.                                 |
| Reel carrier                            | Carries full reels to finolis for stripping and replaces them with empty reels.                                                                                                    | Do.                                  |
| Reel stripper                           | Removes full skeins of yarn from reels                                                                                                                                             | Do.                                  |
| Reeler mechanic                         |                                                                                                                                                                                    | 110,                                 |
| Resist                                  | Operates machine which transfers yarn from spools to skeins for purpose of dyeing in skeins.                                                                                       | Reciera.                             |
| Rejoiner                                | Winds yarn from partly filled bobbins or specis to make full ones.                                                                                                                 | Redrawers.                           |
| Reroller                                | Operates machine which transfers cloth from one roll to another.                                                                                                                   | Other employees.                     |
| Rewinder                                | Operates machine which winds yarn from one spool to another.                                                                                                                       | Rewinders.                           |
| Ribbon boxer                            | (See Boxer, ribbon)                                                                                                                                                                | Other employees,                     |
|                                         | dirt, oil, gresse, etc., from ribbot.                                                                                                                                              | Do.                                  |
| Ribbon finisher                         | (See Finisher, ribbon)                                                                                                                                                             | Do.                                  |
| Ribbon hanker                           | (See Hanker, ribbon)                                                                                                                                                               | Da.<br>Da.                           |
| Ribbon preparer                         | (See Preparer, ribbon).                                                                                                                                                            | Do.                                  |
| Ribbon warper                           | (See Warper, ribbon)                                                                                                                                                               | Warpers.                             |
| Ribbon weaver                           | (See Wesver, ribbon)                                                                                                                                                               | Weavers, ribbon,<br>Other employees. |
| Roll handler                            | Operates machine which winds finished ribbon on<br>paper blocks, and cuts it to specified lengths.<br>Loads and unloads rolls of cloth to and from hand                            | Do.                                  |
| Rubber                                  | trucks and transfers them to various departments.  Uses prepared cleaning chemical to rub chafes, greats,                                                                          | Do.                                  |
| Sampleman                               | or oil spots from cloth.  Prepares samples of cloth for the trade                                                                                                                  | Do.                                  |
| Scrubber                                | Uses mod with water to scrub factory noors                                                                                                                                         | Do.                                  |
| Seamstress<br>Second hand               | (See Stitcher)                                                                                                                                                                     | Do.<br>Do.                           |
| Section hand                            | Supervises small group of workmen, as well as per-                                                                                                                                 | Do,                                  |
| a                                       | torming some production labor.                                                                                                                                                     |                                      |
| Sewer                                   | (See Stitcher) Shakes and straightens out skeins of yarn in process of                                                                                                             | Do.<br>Do.                           |
| Shearer, cloth                          | dysing and before being placed on reals for winding.  Operates machine, with very sharp revolving knives, which shears surface of cloth smooth as it passes                        | De.                                  |
| Shearer's helper                        | over, usually on velvet, plush, and pile fabrice.  Works under supervision of shearer, cloth                                                                                       | Do.                                  |
| Shipper                                 | Supervises packing and shipping of gnods and keeps records of quantity, dates of shipments, destination,                                                                           | 274.                                 |
| Shipping clerk                          | etc.<br>Keeps records of goods shipped, dates, destination, etc.                                                                                                                   | r.                                   |
| Shook maker.                            | Assembles and nails together into complete units                                                                                                                                   | Do.<br>Do.                           |
| . \ \                                   | shipping boxes purchased in sections.                                                                                                                                              |                                      |

| Factory term                            | Definition                                                                                                                                                                                                        | Classified by bureau<br>under—   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Silk conditioner                        | Draws samples of raw silk from bale, dries out all                                                                                                                                                                | Other employees.                 |
|                                         | moisture, weighs samples before and after drying, to<br>determine amount of moisture content. A sprink-<br>ling (damping) machine is then used to add suffi-                                                      |                                  |
|                                         | cient water to bring moisture content to II per cent,<br>which is the normal amount required for silk yarn.                                                                                                       |                                  |
| Silk hanger                             | Straightens out and hangs skeins of yarn on hooks for                                                                                                                                                             | Do.                              |
| Slik opener                             | (See Baie opener). Straightens out skeins of silk after soaking or dysing. Snags and shakes them into shape.                                                                                                      | Do.                              |
|                                         | Snaps and shakes them into shape.                                                                                                                                                                                 | Do.                              |
| Silk soaker                             | (See Soaker)  Examines threads in skeins of silk received from importers or throwsters, for quality, weight, twist per inch, etc.                                                                                 | Do.<br>Do.                       |
| ilk throwster                           | inch, stc. Tends any of various twisting and doubling machines, pieces broken threads, reels spun yarn, which is to                                                                                               | Do.                              |
| Singeing-machine opera-                 | be dyed in skeins, laces them to prevent tangling, etc.<br>Regulates speed of machine equipped with finming                                                                                                       | Do.,                             |
| tor.                                    | gas lets used for singeing loose ends and lint from<br>surface of woven goods as it passes through machine.                                                                                                       | 270,1                            |
| iter, warp                              | (See Slasher)                                                                                                                                                                                                     | Do.<br>Do.                       |
| Skein stralghtener<br>Skein winder      | (See Silk snapper)                                                                                                                                                                                                | Reelers.                         |
| Skeiner, ribbon                         | (See Reeler). (See Preparer, ribbon). (See Reeler).                                                                                                                                                               | Other employees.                 |
| Skeiner, yarn                           | (Nee Recier)                                                                                                                                                                                                      | Reclers. Other employees,        |
|                                         | Operates machine which coats warp threads with<br>starchy substance known as "size," which gives it<br>strength and smoothness so that it will stand con-<br>tinued beating up of filling by reed frame in loom.  | Ount mapley seed                 |
| imash fixer<br>Imash hand               | (See Smash hand)                                                                                                                                                                                                  | Smash hands,                     |
| lmash hand                              | (See Smash hand) Repairs smashes or breaking of warp and filling threads, crossing of threads, or other causes of serious interruption of work of weaver,                                                         | Da.                              |
| mash piecer                             | (See Smash hand)                                                                                                                                                                                                  | Do.                              |
| Snapper, silk<br>Soaker                 | (See Silk snapper)  Places skeins of raw silk into softening tanks, works them around in soap water or other chemicals, which                                                                                     | Other employees.<br>Do.          |
| Soaker's helper                         | softens gum on the fiber. Assists soaker in working skeins about in soaking                                                                                                                                       | Do.                              |
| Soap reelalm tankman                    | degramming liquide after spoking presention                                                                                                                                                                       | Do.                              |
| Soft-silk winder                        | (See Winder, soft slik) Is an extra workman with considerable skill who re-                                                                                                                                       | Winders, soft-silk               |
| spare dand                              | ing department.                                                                                                                                                                                                   | Other employees.                 |
| Spindie tester                          | Operates testing machine which determines whether                                                                                                                                                                 | Do.                              |
| Spinner                                 | Operates machine which puts specified number of<br>twists per inch in thread, which binds fibers together<br>and gives more strength for manipulation. The<br>number of twists varies with purpose for which yarn | Spinners.                        |
| Spinner, 5 B                            | is to be used.                                                                                                                                                                                                    | Da.                              |
|                                         | inch.                                                                                                                                                                                                             | <b>.</b>                         |
| Speci boy                               | (See Bobbin boy)                                                                                                                                                                                                  | Bobbin boys.<br>Other employees. |
| Sticker (dyehouse)                      | (See Ager operator) Handles rods, or sticks on which skeins of yarn are suspended, works skeins back and forth in dye tanks,                                                                                      | Laberers, dyehouse,              |
| Stitcher                                | and turns them on the rods, thereby causing color to<br>strike in uniformly.<br>Operates power sewing machine for stitching seams in                                                                              | Other employees.                 |
| Stock boy                               | bags, making smocks, marking fabrics, etc.                                                                                                                                                                        | Do.                              |
| •                                       | f etc.                                                                                                                                                                                                            |                                  |
| Stock elecker<br>Stock eleck            | (See Stock clark) Keeps record of inventory, stocks received and disposition of rame.                                                                                                                             | Do.<br>Do.                       |
| Btockman                                | Has charge of silk wault where dyed and woven goods,<br>also bales of raw silk are stored. Books are caunted<br>and skeins bundled and prepared for scaking. Rec-                                                 | Do.                              |
|                                         | ords are kept of receipts and disposition of both raw<br>and finished materials.                                                                                                                                  |                                  |
| Stock tender                            | (See Raw-stock tender)                                                                                                                                                                                            | Do.                              |
| Stop-metion boy<br>Straightener, skeins | (See Drop-wire boy)                                                                                                                                                                                               | Da.<br>Da.                       |
| Biretcher, cloth                        | (See Cioth Stretcher).                                                                                                                                                                                            | Da                               |
| Stringer                                | Put strings or laces through skeins of warn to hold them                                                                                                                                                          | Do                               |

| · Factory term                 | Definition ,                                                                                                                                                                                                                                                                                                                   | Classified by bureau<br>under— |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Stripper (dyshous)             | Places skeins of rawalik into "degramming" chemicals<br>and works them around in tanks until necessary<br>amount of gum has been removed from silk fibers.                                                                                                                                                                     | Laborers, dyshouse.            |
| Sweepst                        | Uses brooms or brushes to aweep factory floors and removes refuse.                                                                                                                                                                                                                                                             | Other employees.               |
| Tankman, scap reclaim-<br>ing. | (See Soap recisim tankman)                                                                                                                                                                                                                                                                                                     | Do.                            |
| Tenterer                       | (See Cloth stratcher)                                                                                                                                                                                                                                                                                                          | Do.                            |
| Tester's helper                | (See Silk tester). Assists toster in accertaining weights of skeins, twists per inch, and does any other work under his supervision.                                                                                                                                                                                           | Da.<br>Da.                     |
| Tester, spindles               | (See Spindle tester)                                                                                                                                                                                                                                                                                                           | Do.                            |
| Tester, warp                   | (See Silk throwster)                                                                                                                                                                                                                                                                                                           | Do.<br>Do.                     |
| Tin weighter                   | (See Tinman, dyehouse)                                                                                                                                                                                                                                                                                                         | Do.                            |
| Tin whiz operator              | Operates machine which adds tin and extracts surpited                                                                                                                                                                                                                                                                          | Do.                            |
| Tinman, dyshouse               | rotates skeins or woven cloth through vat of tin or<br>other weighting solution to add desired weight;<br>places material into and takes it out of machine;<br>makes tests of weighted goods to determine per cent<br>of chemical gain, correct amount of tin or other<br>weightings, temperature of bath, etc., all under su- | De.                            |
| Transferrer                    | pervision of dyer. (See Badrawer)                                                                                                                                                                                                                                                                                              | Redrawers.                     |
| Truck driver                   | (See Trucker, power)                                                                                                                                                                                                                                                                                                           | Other employees,               |
| Truck pusher                   | department to another.                                                                                                                                                                                                                                                                                                         | Da.                            |
| Trucker, power.                | mill yard or from one department to another.                                                                                                                                                                                                                                                                                   | Do.<br>Redrawers.              |
| 1 Ulliana ga dun anno antono   | bins on to paper tubes for use by weavers as welt or<br>filling in loom shuttles.                                                                                                                                                                                                                                              | 100CH BACK                     |
| Tubman (dyehouse)              | (See Sticker, dychouse; also Dys tubman)                                                                                                                                                                                                                                                                                       | Laborers, dyehouse.            |
| Twister mechanic               |                                                                                                                                                                                                                                                                                                                                | Other employees,               |
| Twister                        | ing condition.  Operates machine for twisting two or more threads together into one, with 12 to 60 twists to the inch.                                                                                                                                                                                                         | Spianers.                      |
| Twister-in, hand               | Joins ends of new warp (which is ready for from) to ends of old warp by twisting motion of the fingers.                                                                                                                                                                                                                        | Twisters-in, hand.             |
| -                              | Operates automatic machine which twists old and new warp ends together.                                                                                                                                                                                                                                                        | Twisters-in, machine.          |
| Vality man                     | (See Stockman)                                                                                                                                                                                                                                                                                                                 | Other employees.               |
| Warp brusher                   | (See Brusher, Warp)                                                                                                                                                                                                                                                                                                            |                                |
| Warp dresser                   | (See Slasher)                                                                                                                                                                                                                                                                                                                  | I)o,                           |
| Warp hanger                    | with empty one. Also carries full warp beams to looms when needed by weavers.                                                                                                                                                                                                                                                  | Do.                            |
| Warp-machine fixer             | fixer.)                                                                                                                                                                                                                                                                                                                        | Do.                            |
| Warp sizer                     | Inspects warp after sizing to determine if it is in proper                                                                                                                                                                                                                                                                     | Pa.<br>Da.                     |
| Warper                         | condition for weaving.  Places spools or bobbins of organzine or warp threads                                                                                                                                                                                                                                                  | Warpen.                        |
|                                | on creek, for purpose of grouping specific number of<br>desired length. The end of each thread is drawn                                                                                                                                                                                                                        |                                |
|                                | through a rack having a series of glass pins for guiding<br>thread to reed frame where it passes between blades                                                                                                                                                                                                                |                                |
|                                | or wires of frame to keep it separate and in proper                                                                                                                                                                                                                                                                            |                                |
|                                | place, and then is attached to the warping mill (a drum-like cylinder). This drum is operated by                                                                                                                                                                                                                               |                                |
|                                | power. Constant watching is necessary to see that                                                                                                                                                                                                                                                                              |                                |
|                                | threads are wound evenly over surface of drum. The                                                                                                                                                                                                                                                                             |                                |
|                                | operator also repairs breaks, etc. Many warping                                                                                                                                                                                                                                                                                |                                |
| Warper, direct                 |                                                                                                                                                                                                                                                                                                                                | Do.                            |
| Warper, edge                   | speeds (bobbins) to warp beam of ribbon loom.  Operates machine specially adapted to winding the                                                                                                                                                                                                                               | Do.                            |
| Warper, hand                   | warp for edges of ribbon and broad cloth.  Tands warp-winding machine which is operated by                                                                                                                                                                                                                                     | Do.                            |
| Warper, ribbon                 |                                                                                                                                                                                                                                                                                                                                | Do.                            |
| Waste collector                | cial design for weaving ribbon. Collects sweepings from various departments and                                                                                                                                                                                                                                                | Other employees.               |
| Waste-paper baler              | stores, same to be convenient for packing into bales. (See Paper baler)                                                                                                                                                                                                                                                        | Do.                            |

| Factory term                            | Definition                                                                                                                                                                                                                                                                                                                  | Classified by jureau<br>under— |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Weaver, automatic<br>Weaver, broad-silk | (See Automatic weaver) Operates loom for weaving broad goods, watches loom to see that it is working properly, corrects defects in fabric before they are carried too far, pieces broken warp threads, and keeps shuttles filled. Most looms are provided with automatic devices which stop machinery when a thread breaks. | Weavers, broad-alik.           |
| Weaver, ribbon                          | Operates ribbon loem on which 6 to 100 ribbons are<br>woven at the same time. The method of operation is<br>similar to that of broad silk, except for added duties<br>due to large number of shuttles to be kept filled.                                                                                                    | Weavers, ribbon.               |
| Weighers (dyehouse)                     | Makes tests of weighted goods to determine per cent of<br>chemical gain, correct amount of tin or other weight-<br>ings.                                                                                                                                                                                                    | Other employees.               |
| Weighmester                             | Uses scales to weigh or check weights of yarns taken<br>from various machines to determine earnings of piace<br>workers.                                                                                                                                                                                                    | Do.                            |
| Weighter, cloth                         | (See Tinman, dyehouse)                                                                                                                                                                                                                                                                                                      | Do.                            |
| Weighter, pieces                        |                                                                                                                                                                                                                                                                                                                             | Do.                            |
| Weighter, skeins                        | Immerses skeins in tank containing weighting solution such as tin, iron, gambla, etc., works them around in solution and removes them when properly weighted. May operate machines which are equipped with revolving arms which rotate skeins through bath.                                                                 | Do.                            |
| Weighter, tha                           |                                                                                                                                                                                                                                                                                                                             | Do.                            |
| Welder                                  | Uses acetylene torch or electric-walding device to join metal parts.                                                                                                                                                                                                                                                        | Do.                            |
| Wet-silk hanger                         | (See Silk hanger)                                                                                                                                                                                                                                                                                                           | Do.                            |
| Winder mechanic                         | Makes repairs or adjustments on winding machines                                                                                                                                                                                                                                                                            | Do.                            |
| Winder, hard slik                       | Operates machine for winding raw silk from skeins onto<br>bobbins or spools. Constant watchfulness is neces-<br>sary to mend broken threads and replace full bobbins<br>with empty ones.                                                                                                                                    | Winders, hard-silk.            |
| Winder, rayon                           | Operates mechine for winding rayon yarn from skeins<br>onto bobbins or speeds. The work is similar to that of<br>winding hard and soft slik.                                                                                                                                                                                | Winders, rayon.                |
| Winder, ribben                          | (See Ribbon winder)                                                                                                                                                                                                                                                                                                         | Other employees.               |
| Winder, skeins                          | (See Reeler)                                                                                                                                                                                                                                                                                                                | Reciers.                       |
| Winder, soft-slik                       | Operates machine for winding onto bobbins or spools<br>silk from which at least some of the natural gum has<br>been removed and which may or may not have been<br>spun or doubled. The winding is done in a similar<br>manner as that of hard silk.                                                                         | Winders, soft-silk.            |
| Working foreman                         |                                                                                                                                                                                                                                                                                                                             | Other employees.               |
| Wrapper                                 | Uses thin paper in which to wrap various woven goods for shipment.                                                                                                                                                                                                                                                          | Do.                            |

### LIST OF BULLETINS OF THE BUREAU OF LABOR STATISTICS

The following is a list of all bulletins of the Bureau of Labor Statistics published since July. 1812, except that in the case of bulletins giving the results of periodic surveys of the bureau only the latest bulletin on any one subject is here listed.

A complete list of the reports and bulletins issued prior to July, 1912, as well as the bulletins published since that date, will be furnished on application. Bulletins marked thus (\*) are

out of print.

#### Conciliation and arbitration (including strikes and lockents).

 No. 124. Conciliation and arbitration in the building trades of Greater New York. [1913.]
 No. 133. Report of the industrial neuncil of the British Board of Trade on its inquiry into industrial agreements. [1913.]

\*No. 130. Michigan copper district strike. [1914.]

\*No. 144. Industrial court of the cloak, suit, and skirt industry of New York City. [1914.]

\*No. 145. Conciliation, arbitration, and sanitation in the dress and waist industry of New York City.

No. 191. Collective bargaining in the anthracite-coal industry. [1918.]

No. 198. Collective agreements in the men's clothing industry. [1918.]

No. 233. Operation of the industrial disputes investigation act of Canada. [1918.]

No. 255. Joint industrial councils in Great Britain. [1919.]

- No. 255. Joint industrial councils in Great Britain. [1919.]
  No. 253. Bistory of the Shipbuilding Labor Adjustment Beard, 1917 to 1919.
  No. 257. National War Labor Beard: History of its formation, activities, sto. [16
  No. 303. Use of Federal power in settlement of railway labor disputes. [1922.]
  No. 341. Trade agreement in the silk-ribbon industry of New York City. [1923.]
  No. 402. Collective bargaining by actors. [1926.]
  No. 463. Trade agreements, 1927.
  No. 481. Joint industrial control in the book and job printing industry. [1928.]

#### Cooperation.

- No. 313. Consumers' cooperative societies in the United States in 1920. No. 314. Cooperative credit societies (credit unions) in America and in foreign countries. [1922.] No. 437. Cooperative movement in the United States in 1925 (other than agricultural). No. 431. Consumers', credit, and productive cooperative societies, 1929.

#### Employment and unemployment.

- ployment and unemployment.

  No. 109. Statistics of unemployment and the work of amployment offices in the United States. [1913.]

  No. 109. Statistics of unemployment and the work of amployment offices in the United States. [1916.]

  No. 109. Unemployment in New York City, N. Y. [1915.]

  No. 109. Proceedings of employment in the women's ready-to-wear garment industries. [1916.]

  No. 109. Proceedings of Employment Managers' Conference, held in Minneapolls, Minn., January 19 and 20, 1916.

  No. 202. Proceedings of the conference of Employment Managers' Association of Boston, Mass., beld May 10, 1916.

  No. 206. The British system of labor exchanges. [1916.]

  No. 207. Proceedings of Employment Managers' Conference, Philadelphia, Pa., April 2 and 3, 1917.

  No. 235. Employment system of the Lake Carriers' Association. [1918.]

  No. 247. Proceedings of Employment Managers' Conference, Rochester, N. Y., May 9-11, 1918.

  No. 247. Proceedings of Employment Managers' Conference, Rochester, N. Y., May 9-11, 1918.

  No. 300. Unemployment in Columbius, Ohio, 1921 to 1925.

  No. 542. Report of the Advisory Committee on Employment Statistics. [1931.]

  No. 544. Unemployment: Insurance in foreign countries. [1931.]

- countries. [1931.]

  \*No. 563. Fluctuations in employment in Chio, 1914 to 1929.

  No. 565. Social and economic character of unemployment in Philadelphia, April, 1930.

### Foreign labor laws.

- \*No. 142. Administration of labor laws and factory inspection in certain European countries. [1914.]
  No. 494. Lebor legislation of Uruguay. [1920.]
  No. 510. Lebor legislation of Argentina. [1930.]
  No. 529. Workmen's compensation legislation of the Latin American countries. [1930.]
  No. 549. Labor legislation of Venezuela. [1931.]
  No. 554. Labor legislation of Paraguay. [1931.]
  No. 559. Labor legislation of Ecuador. [1931.]

#### Housing.

- \*No. 153. Government aid to home owning and housing of working people in foreign countries. [1914.] No. 263. Housing by employers in the United States. [1920.] No. 295. Building operations in representative cities, 1920. No. 545. Building permits in principal cities of the United States in [1921 to] 1930.

#### industrial accidents and hygiene.

- \*No. 104. Lead poisoning in potteries, tile works, and porcelain-enameled sanitary were factories.
  [1912.]
  - No. 130. Hygiene of painters' trade. [1913.]

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Wages and hours of inher-Continued.
                        No 365. Wages and hours of labor in the paper and poly industry, 1923.

No. 394. Wages and hours of labor in metalliferous mines, 1924.

No. 407. Labor costs of production and wages and hours of labor in the paper box-board industry.
                    No. 412. Wages, hours, and productivity in the pottery industry, 1928.

No. 412. Wages, hours, and productivity in the pottery industry, 1928.

No. 412. Wages and sours of labor of common street laborers, 1922.

No. 404. Wages and hours of labor of common street laborers, 1928.

No. 502. Wages and hours of labor in the motor-vahicle industry, 1928.

No. 504. Wages and hours of labor in the motor-vahicle industry, 1928.

No. 514. Pennsylvania Railroad wage data. From Report of Joint Fact Finding Committee in wage
                      No. 516. Hours and earnings in bituminous-coal mining, 1929.

No. 522. Wages and hours of labor in foundries and machine shops, 1929.

No. 523. Hours and earnings in the manufacture of simplanes and aircraft engines, 1929.

No. 524. Wages and hours of labor in the Portland coment industry, 1910 to 1929.

No. 525. Wages and hours of labor in the furniture industry, 1910 to 1929.

No. 532. Wages and hours of labor in the cigarette manufacutring industry, 1900.

No. 533. Wages and hours of labor in the cigarette manufacutring industry, 1910 to 1920,

No. 535. Wages and hours of labor in the alaughtering and meat-packing industry, 1929.

No. 535. Wages and hours of labor in the alaughtering and meat-packing industry, 1929,

No. 537. Wages and hours of labor in the dyeing and dinishing of tertiles, 1930.

No. 540. Wages and hours in rayon and other synthetic tastile manufacturing, 1930.

No. 551. Wages and hours in cance-ugar refining industry, 1930.

No. 557. Wages and hours of labor in the boot and shoe industry, 1910 to 1930.

No. 556. Wages and hours of labor in the men's clothing industry, 1911 to 1930.

No. 556. Wages and hours of labor in the bout and shoe industry, 1911 to 1930.

No. 557. Wages and hours of labor in the bout and shoe industry, 1911 to 1930.

No. 556. Union scales of wages and hours of labor in the imber industry in the United States, 1930.

No. 567. Wages and hours of labor in the imber industry in the United States, 1930.
                                                                            negotiations in 1927.
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