Business and Versonal.

The Charge for Insertion under this head is One Dollar a line for each insertion; about eight words to a line. Advertisements must be received at publication office as early as Thursday morning to appear in next issue.

Best Turbine Water Wheel, Alcott's, Mt. Holly, N. J. Assays of Ores, Analyses of Minerals, Waters, Com mercial Articles, etc. Technical formulæ and proc Laboratory, 33 Park Row, N. Y. Fuller & Stillman.

Wanted-Party to furnish Capital for Foreign Patents on a valuable invention, for interest in patents. Address R. W. Smalley, Salem, Mass.

Howard's Bench Vise and Schleuter's Bolt Cutters, Howard Iron Works.

Band Saws a specialty, F. H. Clement, Rochester, N.Y. Magneto Call Bells for Telephone Lines. The Best. No battery required. Bunnell, 112 Liberty street, N. Y. Write to E. & F. Gleason, 56 Canal street, Philadelphia, for standard wood tools,

Foot Lathes, Fret Saws, 6c., 90 pp. E.Brown, Lowell, Ms. Sperm Oil, Pure. Wm. F. Nye, New Bedford, Mass. Power & Foot Presses Ferracute Co., Bridgeton, N. J. Boilers & Engines cheap. Lovegrove & Co., Phila., Pa. North's Lathe Dog. 347 N. 4th St., Philadelphia, Pa. Telephones .-- J.H.Bunnell, 112 Liberty St., New York. Sheep's Gut Belting.-Makers will plcase address Wilson & Hendrie, Montague, Mich.

Bolt Forging Machine & Power Hammers a specialty. Send for circulars. Forsaith & Co., Manchester, N. H. Catalogue of Scientific Books. Mailed free on application. E. & F. N. Spon, 446 Broome St., New Yor

Pulvertzing Mills for all hard substance and grinding purposes. Walker Bros. & Co., 23d and Wood St., Phila. Wheels and Pinions, heavy and light, remarkably Pittsburgh, Pa.

For the most durable and economical Paint for cars, roofs, bridges, iron, brick and wooden buildings, address Pittsburg Iron Paint Company, Pittsburg, Pa.

J. C. Hoadley, Consulting Engineer and Mechanical and Scientific Expert, Lawrence, Mass.

For Town and Village use, comb'd Hand Fire Engine & Hose Carriage, \$350. Forsaith & Co., Manchester, N. H.

Boilers ready for shipment, new and 2d hand. For a good boiler, send to Hilles & Jones, Wilmington, Del.

Punching Presses, Drop Hammers, and Dies for working Metals, etc. The Stiles & Parker Press Co., Middle-

All kinds of Saws will cut Smooth and True by filing them with our New Machine, price \$2.50. Illustrated Circular free. E. Roth & Bro., New Omford, Pa.

Hydraulic Presses and Jacks, new and second hand. Lathes and Machinery for Polishing and Buffing Metals. E. Lyon & Co., 470 Grand St., N. Y.

Nickel Plating.—A white deposit guaranteed by using ourmaterial. Condit, Hanson & Van Winkle, Newark, N.J.

Cheap but Good. The "Roberts Engine," see cut in this paper, June 1st, 1878. Also horizontal and vertical engines and boilers. E. E. Roberts, 107 Lib-

The Cameron Steam Pump mounted in Phosphor Bronze is an indestructible machine. See ad. back page.

scriptive price list. Forsaith & Co., Manchester, N. H. Presses, Dies, and Tools for working Sheet Metals, etc. Fruit and other Can Tools. Bliss & Williams, Brooklyn, N. Y., and Paris Exposition, 1878.

For Power & Economy, Alcott's Turbine, Mt. Holly, N.J.

Manufacturers of Improved Goods who desire to build up a lucrative foreigntrade, will do well to insert a well displayed advertisement in the SCIENTIFIC AMERICAN Export Edition. This paper has a very large foreign

Improved Wood-working Machinery made by Walker Bros., 73 and 75 Laurel St., Philadelphia, Pa

Bound Volumes of the Scientific American.-I will sell bound volumes 4, 10, 11, 12, 13, 16, 23, and 32, New Series, for \$1 each, to be sent by express. Address John Edwards, P. O. Box 773, New York.

Expectant Advertisers will serve their interests by consulting C. K. Hammitt's Advertising Agency, 206 until after the boiler has been for a time quiet and the Broadway, N. Y.

Extra Fine Taps and Dies for Jewelers, Dentists, and Machinists; in cases. Pratt & Whitney Co., Manufac- with round rubber tire one inch in diameter. The orditurers, Hartford, Ct

For Solid Wrought Iron Beams, etc., see advertisement. Address Union Iron Mills, Pittsburgh, Pa., for

Warranted best and cheapest Planers, Jointers, Universal Woodworkers. Band and Scroll Saws, etc., manufactured by Bentel, Margedant & Co., Hamilton, Ohio.

Patent Wood-working Machinery, Band Saws, Scroll Saws, Friezers, etc. Cordesman, Egan & Co., Cincin'ti, O.

Machine Diamonds, J. Dickinson, 64 Nassau St., N. Y.

The Scientific American Export Edition is published monthly, about the 15th of each month. Every number comprises most of the plates of the four preced ing weekly numbers of the SCIENTIFIC AMERICAN, with other appropriate contents, business announcements, forms a large and splendid periodical of nearly one hundred quarto pages, each number illustrated with about one hundred engravings. It is a complete record of American progress in the arts.

The only Engine in the market attached to boiler of acetic acid, and 1 oz. of spirits of wine. having cold bearings. F.F.& A.B.Landis, Lancaster, Pa

Solid Emery Vulcanite Wheels-The Solid Original Emery Wheel – other kinds imitations and inferior. Caution.—Our name is stamped in full on all our best Standard Belting, Packing, and Hose. Buy that only. The best is the cheapest. New York Belting and Packing Company, 37 and 38 Park Row, N. Y.

Alcott's Turbine received the Centennial Medal,

NEW BOOKS AND PUBLICATIONS.

HEUSINGER, "MUSTER-CONSTRUCTIONEN FÜR EISENBAHNBAU UND BETRIEB.

We acknowledge the receipt of two parts of a new work, issued by the Helwing Publishing House of Hanover, Germany, and edited by E. Heusinger von Waldegg, a well known German railroad engineer and editor of a technical journal for railroad construction. The | fir. work is of a serial character, and called by the editor Muster-Constructionen (normal designs) for Railways and Rolling Stock." Theparts contain a number of specially selected and approved constructions, one series being devoted specially to the building of the roadway, depots, switches, signaling devices, etc., while the other series contains designs for locomotives. rolling stock, and accessories. The work is intended for the use of railroad engineers, to assist them in their labors and furnish them with approved references. It is also of advantage to beginners, as it supplies them with designs of practically tested constructions. The work, however, does not embrace bridge constructions, as these have heretofore been separately collected by Klein, Heinzerling, and others. Of interesting and ingenious constructions relating to the roadway, we may mention a wire drawgate for road crossings (system by the Hungarian state railways. In the other class a sleeping car, built for the Finnish state railway, and a tender locomotive, built by the "Winterthur Locomotive Works " for the Toss Valley Railroad, may be mentioned. The lithographic plates of each part are executed in an exceedingly clear and creditable manner, and form with the descriptive text (in German) a live work for railroad engineers and technical libraries.

THE WORKS OF SHAKESPEARE. New York: Price \$1.25.

Too often cheap editions of voluminous writers are badly made, illegible, and of uncertain text. This edition that of their "Cambridge Shakespeare." The paper is ficiently distinct; and the book is well printed. There the lowest extremity? A. No. is added a copious glossary, an index to familiar passages, and an index to the characters in each play. together the publisher seems to have been successful in his design to furnish an edition of Shakespeare combining the advantages of a reliable text, convenient size, clear type, and a moderate price.



- (1) C. M. asks: 1. Can any more heat be communicated to the air of a small room, so as to be indicated by the thermometer, by the burning of gas or kerosene oil in a stove or other radiator than can be produced by burning the same amount of gas or oil in any other way, provided that the combustion is equally perfect in each case? A. You would get the greatest effect by using a radiator. 2. Is there any other advantage of the stoves as heat producers than having a tolerably good conductor in a convenient place, A. Yes. It renders combustion controllable, and makes it more perfect than it would be in an open fireplace.
- (2) E. D. P. writes: In Scientific Amer-ICAN of July 27, page 59, G. S. H. wants to know how to transplant large trees successfully. He can do it 1,000 2d hand machines for sale. Send stamp for de- as follows: Dig a hole this fall large enough and deep enough to receive it. Then after the ground freeze this winter as far down as the roots are, dig around the tree until you get below the frost, then under tree, and spring fill in to suit. In this way you do not disturb the roots in the least as the ground is frozen tight around them.
 - (3) A. S. M. asks for a good compound for taking the scale off and to prevent lime settling in steam boilers. I would like to know of something cheap and practicable. A. If the boiler is not a very small one, you may add once a week about one pound of soda (sodium carbonate) for every 50 gallons of the boiler's contents, taking care to blow out (through the bottom blow-out tap) this charge with the accumulated sludge before adding more, and meanwhile do not let the water run low in the boiler. The common practice is to use the blow-out while at work; but it is better to wait
 - (4) H. writes: I am building a bicycle nary rubber cement is not strong enough to hold the joint of tire. What shall I use, and how apply it? A. You may try the following: Melt together in a suitable iron vessel gutta percha and pitch, in about equal pro- MENT. portions, over a gentle fire, stirring until a homogeneous ass is obtained. Use warm.
 - bodies so that they will keep some time in this hot clim- 159 and 387, vol. 38, and 95, 168, and 335, vol. 37, SCIENate, either by rubbing it on the outside or injecting it TIFIC AMERICAN. inside, with full instructions how to apply it. A. See (20) C. W. L. asks: Is there any easy and 136, "Science Record" for 1874.
 - me what polishing ink is used for? A. See p. 316 (4), SCIENTIFIC AMERICAN, vol. 38.
 - (7) M. D. L. asks for a recipe for making a gum same as is used on postage stamps, in order to use it to fasten labels on microscopic slides. A. Dis- ration which will remove hair from animal bodies and solve 2 ozs. of dextrin in 5 ozs. of hot water, and 1 oz. prevent its further growth, yet can be used with safety.
 - (8) P. J. F. asks: What is the difference between benzine and gas naphtha? A. Pure benzine (C_sH_s) is obtained in the fractional distillation of coal oil. The same name is given to several of the lighter distillates of petroleum (between 176° and 194°). The mill, the water in the glass tubes, sometimes affixed to fixtures, one that could be put on as paint is (with name naphtha is used to designate a mixture of several steam boilers, rises, while the steam gauge shows no brush) without heating the fixture? A. There is a varof the lighter distillates of petroleum. It is also ap- lessening in quantity of steam? A. plied to several of the distillates of coal oil after ben- | drawn rapidly from a boiler, a quick circulation takes pose.

zine. The least volatile portions of these contain the hydrocarbon xylene (C8H10).

- (9) A. J. W. writes: When the double glasses of an opera glass get clouded between them, how can they be got apart to clean them? A. Soak them in turpentine. When separated clean thoroughly and cement together with a fine quality of balsam of
- (10) P. L. asks: Can electricity harm a bird that might be sitting on a telegraph wire? A. No.
- (11) A. J. C. asks if there would be any difference in two thermometers hung up, one in the draught of the wind and the other where there is no draught. A. The one in the draught would probably indicate a lower temperature.
- made? If they are dipped in melted zinc (zinc galvanizing is what I refer to) how are the castings prepared? How is the superfluous zinc removed after they are dipped? A. Clean the work thoroughly by pickling it in dilute sulphuric acid, and scouring, if necessary, pass through a strong bath of aqueous zinc chloride so lution slightly acidified with hydrochloric acid, and then Tronchon) and a station signaling apparatus, adopted through a bath of molten zinc covered with sal ammo-
 - (13) G. R. B. asks: 1. How many ohms resistance should the magnets of a relay be to operate on a line 2 miles long? A. Make the resistance of the relays equal to the resistance of the rest of the circuit. including batteries. 2. Which would give the best results on said line-to operate two bells, to use a relay, or operate the bells directly? A. Better use a relay. 3. Are there any tables by which the resistance of any T. Y. Crowell. 1 vol. 12mo. pp. 1097. given length of copper wire may be known? A. You will find such tables in works on telegraphy.
- or meats will keep in their natural state if placed in a strong and durable. Especially suited for sugar mills of Shakespeare appears to be a notable exception. The vessel and the air exhausted. A. For a limited time, and similar work. Pittsburgh Steel Casting Company, text is that of Clark and Wright, following generally yes. Efforts in this direction have not been very successful. 2. Also, is it necessary that the vessel should fine and clear; the type, though necessarily small, is suf- be placed in such a position that the air is taken from
 - (15) A. M. S. writes: I have tried to make an electro-magnet, but failed. I made the staple of horseshoe iron, 3 inches long, 3 inch diameter, wrapped with iron wire known as broom wire, insulated with black paint. The wire was wound up and down four times, making the wire 4 thicknesses, connecting it to a good strong battery. A. Use silk or cotton covered copper wire.
 - (16) G. V. B. asks: How can I polish a class lens which has been scratched badly by carrying in the pocket with other articles? A. If the scratches are not deep stretch a piece of silk over the face of the lens, and apply to it a ball of sealing wax that is warm enough to take the form of the lens when it is pressed on the silk. When the wax is cool remove it and the silk together from the lens and coat the silk with a paste of putty powder. Rub the face of the lens with the instrument thus made, giving it a gyratory motion. Keep the putty powder moist.
 - (17) C. H. H. & Co. write: We have a large quantity of silver dissolved in diluted nitric acid; we wish to use it for casting silver ornaments. we recover it in proper form to use? A. Add muriatic acid to the solution until all the silver is precipitated as chloride, and after settling decant the supernatant liquid, cover the precipitate with a little dilute oil of vitriol, add a few fragments of clean zinc, and allow to stand for an hour. Soluble zincchloride and sulphate is produced, and finely divided silver remains, which, after washing and separating from any undissolved zinc, turnit over on sled and haul to place, and set up, then in may be fused in a crucible with alittle sodium carbonate
 - (18) J. E. L. asks: Please give me the compose the composition used in reducing the temperature to or near the freezing point. A.

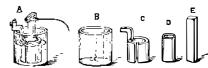
***************************************	con P Pormer	
Mixtures.	Parts	Reduction of
	weight.	temperature.
Sodium sulphate	8 /	48·6° F.
Hydrochloric acid	5 (40 U F.
Pounded ice	2 i	50·4°
Common salt	1 /	50 4
Sodium sulphate	3 (52·2°
Dilute mtric acid	2 (32 Z
Sodium su luhate	6	
A mmoni um nitrate	5 }	64 ·8
Dilute nitric acid	4	
Sodium phosphate	9 }	70·2°
Dilute nitric acid	4 (70 2
Ammonium chloride	4)	
Potassium nitrate	4 } 8 }	40°
Water	81	
Ammonium nitrate	11	46•
Water	1 (40-
Ammonium nitrate	6)	
Sodium phosphate	9 >	71•
Diluted nitric acid	4)	
See also n 1490 No	89 SCIENTIFI	C AMERICAN SUPP

See also D. 1420. No. 89. SCIENTIFIC AMERICAN SUPPLE-

- (19) G. W. W. asks: What is the best way to spray on to an article to freeze it? A. See recipes (5) H. S. asks for a recipe for embalming for freezing mixtures above. For ice machines, see pp.
- pp. 271 and 103, Scientific American, vol. 37, and p. | convenient method by which salicylic acid could be used to keep meat and fruit in a private family, where no ap-(6) W. L. A. asks: Will you please tell paratus would be desirable that would have to be provided on purpose, or is there any treatise on the subject? best adapted to the neutralization of the sulphur and A. See SCIENTIFIC AMERICAN SUPPLEMENT, D. 1051, No. 66.
 - (21) E. N. H. asks if there is any prepa A. See p. 91 (1), current volume, Scientific American.
 - (22) M. S. C. asks: Does the water in a boiler, under ordinary circumstances, roll or stand still and level at a pressure of 60 lbs. or higher? Why is it that when the saw is started through a log at a saw

place, and the water rises or pulsates. In boilers with small steam spaces this is especially noticeable, as the steam raises the water with it in its flow,

- (23) L. S. C. writes: The steam launch Undine of this place, Willimantic, Conn., has run one mile in 5' 6''. She is 20 feet long, 52'' beam, engine 41/4", cylinder 4" stroke, screw 2 blades, 20" diameter, 40 pitch. Has this time been beaten by a boat of her size? A. We think not, Would be pleased to hear from our
- (24) H. M. K., F. L. W., T. McT., and others.-A modified form of Bunsen's battery is shown in the engraving, in which A is an element complete, B is the jar, which should hold about a quart, C is the zinc, which may be made from sheet or cast metal. It should be amalgamated before use. To do this, first re-(12) W. J. B. asks: How is galvanizing on move any grease or dirt, then dip it in sulphuric acid dicast iron generally done? If by a battery, how is it | luted with 9 parts of water, place it on a platter, pour mercury over it, rub it until it attaches itself to every



part of the surface of the zinc, and allow it to stand until the surplus mercury runs off. The porous cell, D, should fit loosely in the zinc and reach 34 inch above it (a small porous flower pot will do for a cell). The carbon, E, half fills the porous cell and is about twice as high It is best to buy the carbons, but that which comes from gas retorts may be used, or finely pulverized coke and caking coal may be mixed together and pressed strongly into an iron mould, and calcined at a low red heat. To set up the battery half fill the jar with a saturated solution of common salt, put in the zinc, place the porous ill find such tables in works on telegraphy.

(14) G. E. A. asks (1) if fruit, vegetables, the cell with a solution made as follows: Dissolve 1 lb. of bichromate of potash in 10 lbs. of hot water; when cool slowly add 5 lbs. strong sulphuric acid. Mix in a vessel that will resist acids and will not crack by heat. Clamp a wire to the carbon and attach a wire to the zinc. To make a powerful battery for occasional use, make zinc and carbon plates of equal size, and dip them, when a current is required, in a solution consisting of 2 parts of bichromate of potash, 20 parts of water, and 1 part of sulphuric acid. The bichromate solution is poisonous and should be handled with care.

- (25) T. J. H. writes: I want a small fumigating apparatus for fumigating articles placed in a box or barrel, and that would burn, say,1 lb. of sulphur at a time. Is there any such contrivance for sale, or how can I make one cheaply? A. All that is requisite, if we understand you, is a shallow earthenware dish large enough to hold the amount of sulphur it is desired to burn. It is best to fuse the sulphur before igniting it.
- (26) Amateur writes: I purchased from a dealer some "red fire," so-called, for tableaux, and received a package of some reddish vellow powder, some white powder, and small vial of acid; a small quantity of reddish powder was first put on an old plate, a little of the white sprinkled on it, and then a drop or two of the acid was dropped on, when it immediately blazed up with a brilliant red fire. Can you tell me what they consist of, what kind of acid, and what the white and yellow powders were, and why it should inflame, when the acid came in contact with the white powder? The yellow reddish powder also ignites with a match, but the dealer said that the latest way was with the acid, and there could be no danger. A. 1, Powdered resin and strontium nitrate. 2. Powdered potassium chlorate and dry sugar. 3. Strong sulphuric acid.
- (27) F. F. O. asks: What will remove lead pencil marks from calcimined walls? A. Mechanical erasure only is possible; try a piece of clean rubber alone or supplied with a little whiting.
- (28) H. W. H. asks how to combine India names and amounts of the various ingredients which rubber and white beeswax, making the wax more tough and dexible for moulded articles. Would the rubber first be dissolved in naphtha or other solvent, and united with the meited wax, or can the union be made more direct? A. It will probably be more satisfactory to soften a little both the substances with benzole or benzolene, and knead them thoroughly together while
 - (29) F. R. M. asks how to test diamonds, that is, how to tell the genuine from glass. A. The specific gravity of the diamond is 3.52 (silicious pebbles =2.5 to 2.8); readily scratches quartz, topaz, and corundum-not scratched by either. Refracts and disperses light powerfully (index of refraction 2.439), and, after exposure to sunlight, is phosphorescent in the dark. Not affected by hydrofluoric acid. Crystalline form (uncut) regular octohedron, usually with curved faces.
 - (30) E. M. F. asks for a good recipe for shoe blacking; must mix close and dry hard without cracking. If not too much trouble, I would like to know the order in which the ingredients are combined and the proportion of one to another. A. See pp. 27 (17) and 300 (45), vol. 38, Scientific American.
 - (31) A. M. Y. writes: Having two cubes or spheres of equal dimensions outside, one to be solid of a light material, the other a shell of a heavier material, that they may be of equal weight, would their buoying qualities be equal? A. Yes.
 - (32) C. P. T. asks: What kind of salts are gases arising from bituminous coal during combustion? A. The hydrates of the alkali and earth metals-soda,
 - How can I make the strongest and most lasting solution of iron? A. If we understand you, dissolve the iron in a warm mixture of 1 part nitric and 5 parts hydrochloric acid, evaporate the solution to dryness, and dissolve the residue in water slightly acidified with hy-
 - (33) "Bronze" asks: Is there a recipe known to you for a preparation for bronzing old gas When steam is nish in market which is made expressly for this pur-

MINERALS, ETC.—Specimens have been received from the following correspondents, and examined, with the results stated:

J. B. B.-Feldspar and hornblende rock.-J. N. B.-It is phlogophite-magnesia, alumina, potash silicatea variety of mica.-I. H. P.-Sandstone with a little mic 1-not specular iron.-No name, 6 specimens: Nos. 1 and 2, black jasper; 3, decomposed orthoclase; 4, chert-an impure variety of Quartz; 5 and 6, fine Quartz conglomerate containing much iron sulphide.—S. R. T. -Principally aluminum and magnesium silicates col-

COMMUNICATIONS RECEIVED.

The Editor of the Scientific American acknowledges with much pleasure the receipt of original papers and

contributions on the following subjects:
Physical Characteristics of Ether. By W. D. Patent Litigation. By D. V. E. N.

HINTS TO CORRESPONDENTS.

We renew our request that correspondents, in referring to former answers or articles, will be kind enough to name the date of the paper and the page, or the number

Many of our correspondents make inquiries which cannot properly be answered in these columns. Such inquiries, if signed by initials only, are liable to be cast into the waste basket.

Persons desiring special information which is purely of a personal character, and not of general interest, should remit from \$1 to \$5, according to the subject as we cannot be expected to spend time and labor to obtain such information without remuneration.

[OFFICIAL.]

INDEX OF INVENTIONS FOR WHICH

Letters Patent of the United States were Granted in the Week Ending Juffe 18, 1878,

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

A complete copy of any patent in the annexed list, including both the specifications and drawings, will be furnished from this office for one dollar. In ordering, please state the number and date of the patent desired. and remit to Munn & Co., 37 Park Row, New York city.

Ammonia or ether machine, Moreau & Haggerty. 205,120 Apple corer, J. A. Morrow 205,122

Auger nangle. W. A. Ives	200,096
Awning, W. B. Doolittle	205,661
Back band hook, H. W. Minnemeyer	204,910
Bale tie, S. H. Gilman	204,965
Bale tie, H. S. Worthington	
Basin cover, catch, G. G. Campbell	204,504
Basket wire, N. Davis	205,060
Bessemer converters, heat from, A. Cooper,	204,886
Blind slat adjuster, R. Loth	244,986
Boiler for steam fire engines, M. R. Clapp	204,885
Boiler tubes, coating, Brayton, June & French	
Book binding, G. B. Huntington	
Book, blank, J. W. H. Reisinger	205 127
Dook blank, J. W. H. Belsinger	*00101
Book holder, J. B. Brown	204,947
Book support, J. S. Turner	205,156
Boot and shoe lasting apparatus, H. Gerred	204,963
Boots and shoes, manufacture of, G. H. Jones	204,979
Bosom board, R. McCoy	
Bottle register, J. H. Welch205,019,	
Bottle stopper, Massey & Rawe	004,000
Bowling alley, Hellert, Muller& Meyer	204,912
Brake, air, S. F. Prince, Jr	
Brick and tile machine, E. Durand	204,957
Broiling chamber, E. Norton	204,991
Buckle, trace and pad, G. E. Bales	
Button fastening, G. B. Fittz	
Button hole linings, making, D. Harris	
Can, oil, T. J. Griffin	205,075
Can seam or joint, H. C. Milligan	205,119
Car coupling, J. Ritty	201,997
Car. stock, W. B. Vanyleet	205,157
Car, stock, W. B. Vanvleet	204,974
Cards, apparatus for shuffing, H. C. Ash	205 030
Carriage seat, D. E. Gale	004 001
Contrage seat, D. E. Gale	204,001
Casks. fish drain for, W. II. Ortlip	
Celery tops, packing. J. C. Telfer	
Chair, Dann & Kelsey	205,059
Chair, folding, E. Tucker	205,016
Chair, folding rocking, E. Tucker	205,015
	205.002
Chair, invalid, C. B. Sheldon	
Chair, invalid, C. B. Sheldon	205,070
Chair, invalid, C. B. Sheldon	205,070 205,0 6 8
Chair, invalid, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier. extension, J. A. Evarts. Churn, N. B. Brown.	205,070 205,068 205,045
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Chair, invalid, C. B. Sheldon. Chair, rocking, J. Fernquist. Chandelier. extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley	205,070 205,068 205,045 8,293 205,037
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Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley. Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent. Clutch, R. W. Johnson. Cock, gauge, J. J. Tonkin.	205,070 205,068 205,045 8,293 205,037 205,085 205,106 204,977 205,152
Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley. Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent. Clutch, R. W. Johnson. Cock, gauge, J. J. Tonkin.	205,070 205,068 205,045 8,293 205,037 205,085 205,106 204,977 205,152
Chair, invalid, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r) Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place	205,070 205,068 205,045 8,293 205,037 205,085 205,106 204,977 205,152 204,995
Chair, invalid, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r) Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place	205,070 205,068 205,045 8,293 205,037 205,085 205,106 204,977 205,152 204,995
Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier. extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent. Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell.	205,070 205,068 205,045 8,293 205,037 205,085 205,106 204,977 205,152 204,995 204,904 205,155
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton.	205,070 205,068 205,045 8,293 205,037 205,085 205,106 204,977 205,152 204,995 204,904 205,155
Chair, invalid, C. B. Sheldon Chair, rocking, J. Fernquist Chandelier, extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r) Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell Corks in bottles, sccuring, A. Templeton Cork and grain cleaner, S. E. Worrell.	205,070 205,068 205,045 8,293 205,037 205,085 205,106 204,977 206,152 204,995 204,904 205,155 206,011 204,935
Chair, invalid, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier. extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley. Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent. Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place. Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, sccuring, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corn popper, J. Forsyth.	205,070 205,068 205,045 8,293 205,037 205,085 205,106 204,977 206,152 204,995 204,904 205,155 204,904 205,155 204,904 205,155 204,904 205,011 204,935 205,072
Chair, invalia, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, J. Forsyth. Corpse cooler, A. Kinnaird.	205,070 205,068 205,045 8,293 205,085 205,085 205,106 204,977 205,152 204,995 204,904 205,155 205,011 205,011 205,012 205,012 205,012
Chair, invalia, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, J. Forsyth. Corpse cooler, A. Kinnaird.	205,070 205,068 205,045 8,293 205,085 205,085 205,106 204,977 205,152 204,995 204,904 205,155 205,011 205,011 205,012 205,012 205,012
Chair, invalid, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier. extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley. Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent. Clutch, R. W. Johnson. Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place. Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, sccuring, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corn popper, J. Forsyth. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill. Cotton condenser, E. Cook.	205,070 205,088 205,045 8,293 205,037 205,085 204,977 206,152 204,995 204,995 204,995 205,155 205,072 205,072 205,072 205,072 205,072 205,072
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer.	205,070 205,088 205,045 8,293 205,037 205,085 204,977 206,152 204,977 205,155 205,012
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer.	205,070 205,088 205,045 8,293 205,037 205,085 204,977 206,152 204,977 205,155 205,012
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer.	205,070 205,088 205,045 8,293 205,037 205,085 204,977 206,152 204,977 205,155 205,012
Chair, invalid, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier, extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard	205,070 205,068 205,045 8,293 205,037 205,085 205,106 204,977 206,152 204,995 205,106 205,106 205,106 205,107 204,935 205,017 204,951 205,018
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothcs drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, sccuring, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer Cow fetter, J. A. Wilcox. Cradle, A. Bernhard Cultivator, C. D. Carter	205,070 205,048 8,293 205,045 8,293 205,037 205,106 204,977 206,152 204,995 204,995 204,995 204,995 205,072 205,102 204,951 204,951 205,058 204,933 204,933 204,933
Chair, invalia, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell Corpse cooler, A. Kinnaird Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer Cow fetter, J. A. Wilcox Cradle, A. Bernhard Cultivator, C. D. Carter Curtain fixture, J. Gillmore	205,070 205,048 205,048 205,048 205,087 205,080 204,977 206,152 204,995 204,995 205,102 205,102 205,102 205,103 205,10
Chair, invalid, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier. extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley. Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent. Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place. Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corn popper, J. Forsyth. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook. Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard. Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith.	205,070 205,048 205,045 8,293 205,037 205,037 205,106 204,977 206,152 204,995 204,995 204,904 205,155 206,011 204,935 205,002 204,951 204,951 204,951 204,951 204,951 204,953 204,951 204,953 204,953 204,953 204,953 204,953 204,953 204,953 205,073 205,073 205,073 205,073
Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothcs drier, J. J. Largent. Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer. Cov fetter, J. A. Wilcox. Cradle, A. Bernhard. Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz	205,070 205,048 205,045 8,293 205,037 205,037 205,105 204,977 206,152 204,995 204,995 204,995 205,102 205,102 205,012 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,953 204,951 204,951 204,953 204,951 204,953 205,953 205,9
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer. Cow fetter, J. A. Wilcox Cradle, A. Bernhard Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain,waste, and sewer pipe trap, G. E. Waring, Jr.	205,070 205,048 8,293 205,045 8,293 205,085 205,106 204,977 204,995 204,995 205,155 205,155 205,012 205,072 205,072 205,072 205,073
Chair, invalia, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton condenser, E. Cook Cotton picker, G. Custer. Cow fetter, J. A. Wilcox Cradle, A. Bernhard Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain, waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon.	205,070 205,068 205,045 8,293 205,037 205,085 205,106 204,977 204,995 204,995 205,012 204,995 205,012 204,995 204,995 205,012 205,102 205,102 205,103 205,004 204,983 204,983 204,984 204,883 204,984
Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothcs drier, J. J. Largent. Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place. Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corn popper, J. Forsyth. Corpse cooler, A. Kinnaird. Cotton cans, bottomfor, J. Hill Cotton condenser, E. Cook. Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard. Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain,waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon. Dress shield, G. W. Wood.	205,070 205,085 205,045 8,293 205,037 205,050 204,977 206,152 204,996 204,996 206,011 204,935 206,072 205,102 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951
Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothcs drier, J. J. Largent. Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place. Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corn popper, J. Forsyth. Corpse cooler, A. Kinnaird. Cotton cans, bottomfor, J. Hill Cotton condenser, E. Cook. Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard. Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain,waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon. Dress shield, G. W. Wood.	205,070 205,085 205,045 8,293 205,037 205,050 204,977 206,152 204,996 204,996 206,011 204,935 206,072 205,102 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951
Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothcs drier, J. J. Largent. Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place. Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corn popper, J. Forsyth. Corpse cooler, A. Kinnaird. Cotton cans, bottomfor, J. Hill Cotton condenser, E. Cook. Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard. Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain,waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon. Dress shield, G. W. Wood.	205,070 205,085 205,045 8,293 205,037 205,050 204,977 206,152 204,996 204,996 206,011 204,935 206,072 205,102 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer. Cow fetter, J. A. Wilcox Cradle, A. Bernhard Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain, waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon Dress shield, G. W. Wood Drill, hand, S. Morey Drilling oil and other wells, rig for, E. E. Swett.	205,070 205,048 205,048 205,045 8,293 205,037 205,056 205,106 204,977 204,951 204,904 205,155 205,007 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 204,951 205,002 205,003 205,004 204,983 205,004 204,983 205,004
Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley. Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent. Clutch, R. W. Johnson. Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place. Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corn popper, J. Forsyth. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook. Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard. Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain,waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon. Dress shield, G. W. Wood. Drilling oil and other wells, rig for, E. E. Swett. Egz carrier, R. R. Wilkinson.	205,070 205,082 205,048 8,293 205,037 205,037 205,152 204,995 204,904 205,155 205,010 204,971 204,912 204,912 204,911 204,951 204,951 204,968 204,974 204,883 205,073 204,944 204,883 205,073 204,944 204,883 205,073 205,073 205,073 205,073 205,073 205,073 205,073 205,073 205,073 205,073 205,073 205,073 205,073 205,073 205,073
Chair, invalie, C. B. Sheldon Chair, rocking J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer. Cow fetter, J. A. Wilcox Cradle, A. Bernhard Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain,waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon. Dress shield, G. W. Wood. Drill, hand S. Morey Drilling oil and other wells, rig for, E. E. Swett. Egz carrier, R. R. Wilkinson.	205,070 205,045 8,293 205,045 8,293 205,057 205,065 205,106 204,977 205,106 204,995 204,995 205,106 204,995 205,012 205,012 205,012 205,012 205,012 205,013 205,013 205,014 205,015 205,016
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain, waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon Dress shield. G. W. Wood Drill, hand. S. Morey Drilling oil and other wells, rig for, E. E. Swett. Egz carrier, R. R. Wilkinson. Embroidery pattern, A. B. Rice Emgine, rotary steam, J. F. Brown.	205,070 205,048 205,048 205,045 8,293 205,057 205,056 205,106 204,977 206,155 204,904 205,155 206,012 204,971 204,951 204,951 204,983 205,004 204,883 205,004 204,883 205,004 204,984 205,006 204,983 205,006 204,983 205,006
Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier. extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley. Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent. Clutch, R. W. Johnson. Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place. Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corn popper, J. Forsyth. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook. Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard. Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain,waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon. Dress shield, G. W. Wood. Drill, hand, S. Morey Drilling oil and other wells, rig for, E. E. Swett. Egz carrier, R. R. Wilkinson. Embroidery pattern, A. B. Rice Engine, rotary steam, J. F. Brown. Fabrics, cleaning and bleaching, H. S. Robinson.	205,070 205,085 205,045 8,293 205,037 205,035 205,035 205,035 204,977 205,152 204,995 204,995 204,995 204,995 204,995 204,995 204,997 205,073
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, sccuring, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpoper, J. Forsyth. Corpose cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer. Cow fetter, J. A. Wilcox Cradle, A. Bernhard Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain, waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon Dress shield, G. W. Wood Drill, hand, S. Morey Drilling oil and other wells, rig for, E. E. Swett. Egg carrier, R. R. Wilkinson Embroidery pattern, A. B. Rice Engine, rotary steam, J. F. Brown. Fabrics, cleaning and bleaching, H. S. Robinson, Fabrics, cleaning and bleaching, H. S. Robinson,	205,070 205,045 8,203 205,045 8,203 205,037 205,085 205,106 204,977 206,105 204,995 205,106 204,995 205,012 204,991 205,020 204,971 205,038 205,038 205,038 205,044 204,928 205,062 205,105 205,016 205,016 205,016 205,016 205,016 205,016 205,016 205,016 205,016 205,016 205,016 205,016 205,016
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain, waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon Dress shield. G. W. Wood. Drill, hand. S. Morey Drilling oil and other wells, rig for, E. E. Swett. Egz carrier, R. R. Wilkinson. Embroidery pattern, A. B. Rice Engine, rotary steam, J. F. Brown. Fabries, cleaning and bleaching, H. S. Robinson. Fan, automatic, R. C. Bryant.	205,070 205,068 205,045 8,293 205,037 205,056 205,106 204,977 206,155 204,904 205,155 205,072 206,072 204,971 204,951 204,983 205,068 204,983 205,068 204,983 205,068 204,983 205,076 204,983 205,076 204,983 205,076 205,076 205,076 205,076 205,076 205,076 205,076 205,076 205,076
Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier. extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley. Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent. Clutch, R. W. Johnson. Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place. Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corn popper, J. Forsyth. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook. Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard. Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith. Ditching machine, H. Gonnellaz Drain,waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon. Dress shield, G. W. Wood. Drill, hand, S. Morey Drilling oil and other wells, rig for, E. E. Swett. Egz carrier, R. R. Wilkinson. Embroidery pattern, A. B. Rice Engine, rotary steam, J. F. Brown. Fabrics, cleaning and bleaching, H. S. Robinson. Fare box, J. E. White. Faucet attachment to casks, etc., H. Muller	205,070 205,068 205,068 205,065 8,293 205,037 205,065 205,106 204,977 204,995 204,995 204,995 204,995 204,995 204,995 204,995 204,993 205,003 206,004 204,983 204,944 204,883 205,003 205,004 204,993 205,003 205,004 204,993 205,003 205,004 204,993 205,003 205,004 204,933 205,004 204,933 205,004 204,933 205,004 205,005 204,933 205,004 205,005 204,933 205,004 205,005 204,933 205,004
Chair, invalie, C. B. Sheldon Chair, rocking. J. Fernquist Chandelier extension, J. A. Evarts Churn, N. B. Brown Churn, J. Campbell (r). Clock, G. H. Blakesley Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent Clutch, R. W. Johnson Cock, gauge, J. J. Tonkin Coffee pot, A. B. Place Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, sccuring, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook Cotton picker, G. Custer. Cow fetter, J. A. Wilcox Cradle, A. Bernhard Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith Ditching machine, H. Gonnellaz Drain,waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon Dress shield, G. W. Wood Drill, hand, S. Morey Drilling oil and other wells, rig for, E. E. Swett. Egg carrier, R. R. Wilkinson. Embroidery pattern, A. B. Rice Engine, rotary steam, J. F. Brown. Fabrics, cleaning and bleaching, H. S. Robinson Fan, automatic, R. C. Bryant. Faucet attachment to casks, etc., H. Muller Feed bag, D. Jannopoulo.	205,070 205,048 205,048 205,048 205,037 205,058 205,106 204,977 206,152 204,995 204,995 205,155 206,011 204,935 205,072 204,971 205,058 204,933 205,044 204,928 205,058 204,933 205,044 204,928 205,058 204,933 205,044 204,928 205,058 205,068
Chair, invalie, C. B. Sheldon. Chair, rocking. J. Fernquist. Chandelier. extension, J. A. Evarts. Churn, N. B. Brown. Churn, J. Campbell (r). Clock, G. H. Blakesley. Cloth pressing machine, W. Hebdon. Clothes drier, J. J. Largent. Clutch, R. W. Johnson. Cock, gauge, J. J. Tonkin. Coffee pot, A. B. Place. Coffin fastening, A. T. Large. Cooler, milk, L. W. Truesdell. Corks in bottles, securing, A. Templeton. Cork and grain cleaner, S. E. Worrell. Corn popper, J. Forsyth. Corpse cooler, A. Kinnaird. Cotton cans, bottom for, J. Hill Cotton condenser, E. Cook. Cotton picker, G. Custer. Cow fetter, J. A. Wilcox. Cradle, A. Bernhard. Cultivator, C. D. Carter Curtain fixture, J. Gillmore Dishes, device for greasing baking, J. B. Smith. Ditching machine, H. Gonnellaz Drain,waste, and sewer pipe trap, G. E. Waring, Jr. Drawing roll saddle, E. Dixon. Dress shield, G. W. Wood. Drill, hand, S. Morey Drilling oil and other wells, rig for, E. E. Swett. Egz carrier, R. R. Wilkinson. Embroidery pattern, A. B. Rice Engine, rotary steam, J. F. Brown. Fabrics, cleaning and bleaching, H. S. Robinson. Fare box, J. E. White. Faucet attachment to casks, etc., H. Muller	205,070 205,048 205,048 205,048 205,037 205,058 205,106 204,977 206,152 204,995 204,995 205,155 206,011 204,935 205,072 204,971 205,058 204,933 205,044 204,928 205,058 204,933 205,044 204,928 205,058 204,933 205,044 204,928 205,058 205,068

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Feed water heater. W. Dawson		Saddle, riding, J. B. Gathright	
Fence post, B. Calkins	. 204 ,948	Safe, caloric, A. T. Snyder	4,920
Fence wire, T. V. Allis Fences. barb for wire, H. B. Scutt	. 205,000	Sash fastener. J. F. Zimmermann. 29 Sash holder, S. S. Spear 22	
Fiber cleaning machine, G. D. Luce	e 205,139	Saw frame, bracket, Spring & Robinson 20	
Finger nail trimmer, J. II. Hollman	. 205,066	Saw teeth, W. E. Brooke 20	
Fish, curing, S. W. Griffin	. 204,966	Scales, weighing, G. W. Craig	4,999
Forks, manufacture of, T. Shaw Freezing apparatus, E. Fixary	205,001		4,936
Fruit huller. A. S. Bunker	205,048	Sewing machine fly wheel, A. Decker	4,954
Furnace for heating soldering irons, J. Burgess Furnaces, device for feeding air to, J. A. Warder		Sheep protector, C. Gilbert	
Furniture pad, P. W. Pratt	205,032	Shovel, J. Johnson 204 Siphon, G. H. Winkler 206	5,163
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Globe and reflector for burners, L. Costa Governor, Thompson & Hunt	204,924	Sleigh, J. J. Cobb 20: Soap frame, H. Rathman 20:	5,136
Governor, engine, R. Hooper	205,067	Sower, seed, Horrall & Verckler	5,033
Grain drier, R. H. Tiernan Grain separator, W. N. Esseistyn	205,012	Spring, vehicle, S. M. Richardson	5,915
Grain separator, S. Stone	205,150		3,286
Graining tool, E. H. Huffman	205,131	Stopper sleeve, A. J. Haws	5,084
Gun, magazine. A. Burgess (r) Hame fastener, G. M. Marks	205,114	Stove grate, A. Nicol 204 Stove, oil, P. Martin 205	5,113
Harvester, C. Colahan (r)	205,092	Stove pipe shelf, T. Hill	,905
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Hat pouncing machine, Whiting & Daum Hats and caps from straw braid, C. O. Parmenter	204.931	Table, extension, H. W. Kinney 204 Tellurian, M. MacVicar 205 'Testing machine, F. S. Kinney 204	,111
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Heater, steam water, A. W. Tregent	205,153	Toy, J. H. Hawes 204 Toy pistol, L. Braun 205	1,970
Hens' nest house, J. W. Nichols	205,125	Truss, Deveron & Lackman	1,955
Hinge, lock, N. H. Camp	201,984	Vehicle top, D. Jannopoulo	,098
Hog cholera compound, J. M. Keltner Hog cholera compound, J. Senn	205,147	Vehicles, jump seat for, Wingler & Stough 204 Ventilator and chimney top, W. F. Rossman 205	,141
Hog scalder and feed steamer, H. Strycker Hoof moistener holder, G. P. Merriam	205.118	Wagon cover, D. Jannopoulo 205 Wardrobe, M. Doyle 204	,956
Hopple, W. S. Mead	205,159	Wash board, M. A. Smith	,003
Horse power, A. Hall	205,079	Washer, atmospheric clothes, Brooks & Crooker. 204 Washing machine, C. A. Dodge	063
Hub, vehicle wheel, J. Lane	204,903		,938
Hydrotherapic apparatus, E. E. G. Bozerian Indicator for freight cars, J. Tatham	204,879	Water wheel, turbine, J. Schuessler 205	
Indicator for letter boxes, time, J. II. Rouse Knife sharpener, D. Jr. & A. Gundelfinger		Wells, casing spear for oil, J. Bole	878
Knob attachment, A. Dickerman	204,921	Whiffletree hook, N. M. Bowen	
Ladder, fire escape, S. DavisLadder, fire escape, D. E. Gibbons	204,893	Whiffletree hook, E. E. Morse 205 Whip, leather, E. B. Light 204	
Ladder truss, adjustable, G. H. Fox Lamp burner, argand, H. Preise	205,134	Wire barbing machine, F. Billings	,108
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Lubricator, H. Alton Mask, G. W. Howland	205,093	Bitters, C. A. Aschermann 6, Boots and shoes, C. W. Mundell 6	,244
Mattress filling, preparing, W. G. Benedict Motion, device for converting, C. Cole	205,055	Boots and shoes, W. F. Mayo	,237
Musical instrument, mechanical. J. H. Chase Musical instruments, key board for, C. Brown Musical transposing board, L. Anderson	205,044	Chewing tobacco, R. A. Patterson & Co	,260
Mustard pot and spoon, H. J. White Nipping and clinching tool. P. Whightsil	204,930	Cigars and cigarettes, L. Ash & Bro	,263
Nozzje, C. E. Clark Nut lock, G. H. Coffee	204,950	Coal oil, J. E. Miles 6 Combs, Howard, Sanger & Co 6 Condition powders, M. S. Teller 6	,265
Ore jigger, W. H. Plumb Organs, blow Pedal for, J. H. White	205,160	Confectionery, A. Slauson & Co	,270
Packing, piston, W. P. Woodruff	204,981	Cotton piece goods, Langdon Manuf. Co	,235
Pan, bake, C. Jackson	205,028	Cotton goods, Lockwood Company	
Paper bag machine, F. E. Porter Photographic printing frame, E. M. Seitz Piano stringing device, S. Mennig	205,146	Flavoring extracts, J. W. Colton	,228
Pin, clothes, M. Warren Pin, safety, J. Q. A. Tresize	204,927	Hammocks, Thomas Tresilian	,251
Pipe coupling, T. T. Farnsworth	205,069	Horse collars, Dayton Leather and Collar Co	,264
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Plow, vineyard, M. Ross	204,895	Roofing slate, H. G. Hughes. 6, Snuff, C. De Rojer. 6,	253
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Propeller, screw, M. Chase Pulley, belt shifting, J. J. White	204,929	DESIGNS. Cigar box, Stockhausen & Becklind 10,	730
Pulverizer, soil, S. McColm	204,945	Glassware, J. E. Miller 10, Glass and lava ware, F. S. Shirley 10,	,727
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Pump, submerged, B. J. C. Howe	204,896 205,074	English Patents Issued to Americans	
Railway frog, L. H. North	205,126 205,026	From July 19 to July 23, inclusive. Boarding or breaking hides.—W. Coupe et al., South A	At-
Rattan worker, Overin & Coldwell	205,008	tleborough, Mass. Boot lasting machinery.—G. W. Copeland et al., Malde Mass.	en,
Reservoir and stove shelf, water, J. W.Barton			

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	Saddle, riding, J. B. Gathright	
	Saddle. riding, A. D. Jones	
	Safe, caloric, A. T. Snyder	204,9
	Sample reel, A. L. Snyder	
ì	Sash fastener. J. F. Zimmermann	
	Sash holder, S. S. Spear	205.00
	Sash, window, J. L. Joyce	205,10
	Saw frame, bracket, Spring & Robinson	205 0
	Saw mill head block, E. H. Stearns (r)	8,28
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١	Saw teeth, W. E. Brooke	
ł	Scales, weighing, G. W. Craig	
	Scarf fastening, H. Sandner	204,95
	Screw swaging machine, M. D. Luehrs	
i	Seam for metal ware, locking, G. Wright	
	Sewing machine driver, G. Bell	
	Sewing machine fly wheel, A. Decker	204,95
ŀ	Shawl, Shetland, F. Farrand	
	Sheep protector, C. Gilbert	
ŧ	Shoe or gaiter, F. Packard	
	Shovel, J. Johnson	
	Siphon, G. Il. Winkler	
į	Sled, B. M. Wilkerson	
i	Sled propeller, J. A. Zoebl	204,93
į	Sleigh, J. J. Cobb	204,58
į	Soap frame, H. Rathman	205,13
ļ	Sower, seed, Horrall & Verckler	205.09
	Spittoon, T. W. Barnhill	205 07
	Spring rebiele & M. Picherdeen	90E 01
	Spring, vehicle, S. M. Richardson	200 - 2 200 - 21
	Steam trap, J. H. Blessing (r)	
	Still column, Smecth & Harris	204,91
	Stopper sleeve, A. J. Haws	205,08
	Stove damper, E. Bussey	205,05
	Stove grate, A. Nicol	204,91
	Stove, oil, P. Martin	205.11
	Stove pipe shelf, T. Hill	205.08
	Surgical tube, india rubber, R. Lockwood	201 au
	Suspension hook, F. Anderson	
	Syringe, S. Peters	204,31
	Table, extension, H. W. Kinney	204,98
	Tellurian, M. MacVicar	205,11
	'Testing machine, F. S. Kinney	204,90
	Thill coupling, G. W. Haskell	205,08
	Torpedo for oil wells, J. Briscoe	205,04
	Torpedo for oil wells, J. Briscoe	205,04
	Torpedo for oil wells, J. Briscoe	205,04
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes Toy pistol, L. Braun	205,04 204,97 205,03
	Torpedo for oil wells, J. Briscoe	205,04 204,97 205,03 204,95
	Torpedo for oil wells, J. Briscoe	205,04 204,97 205,03 204,95 205,00
	Torpedo for oil wells, J. Briscoe	205,04 204,97 205,03 204,95 205,00 205,09
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo. Vehicle top adjuster, Lamson & Brotherton.	205,04 204,97 205,03 204,95 205,00 205,09 205,10
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun. Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo. Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough.	205,04 204,97 205,03 204,95 205,00 205,09 205,10 204,93
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman.	205,04 204,97 205,03 204,95 205,09 205,09 205,10 204,93 205,14
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo.	205,04 204,97 205,03 204,95 205,00 205,09 205,10 204,93 205,14 205,09
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman Wagon cover, D. Jannopoulo Wardrobe, M. Doyle	205,04 204,97 205,03 204,95 205,09 205,09 205,10 204,93 205,14 205,09 204,95
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun. Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle Wash board, M. A. Smith.	205,04 204,97 205,03 204,95 205,09 205,09 205,10 204,93 205,14 205,09 204,95 205,14
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz.	205,04 204,97 205,03 204,95 205,09 205,09 205,10 204,93 205,14 205,09 204,95 205,14 205,09
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo. Vehicle top adjuster, Lamson & Brotherton. Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz Washer, atmospheric clothes, Brooks & Crooker.	205,04 204,97 205,03 204,95 205,00 205,09 205,10 204,93 205,14 205,09 204,95 205,14 205,09 204,95
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo. Vehicle top adjuster, Lamson & Brotherton. Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo. Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Dodge	205,04 204,97 205,03 204,95 205,00 205,09 205,10 204,93 205,14 205,09 204,95 205,14 205,00 204,89 205,06
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo. Vehicle top adjuster, Lamson & Brotherton. Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo. Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Dodge	205,04 204,97 205,03 204,95 205,00 205,09 205,10 204,93 205,14 205,09 204,95 205,14 205,00 204,89 205,06
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo. Vehicle top adjuster, Lamson & Brotherton. Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo. Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Dodge	205,04 204,97 205,03 204,95 205,00 205,09 205,10 204,93 205,14 205,09 204,95 205,14 205,00 204,89 205,06
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo. Vehicles top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo. Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doege Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold.	205,04 204,97 205,03 204,95 205,09 205,09 205,14 205,09 204,95 205,14 205,00 204,89 205,06 204,91 204,93
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo. Vehicles top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo. Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doege Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold.	205,04 204,97 205,03 204,95 205,09 205,09 205,14 205,09 204,95 205,14 205,00 204,89 205,06 204,91 204,93
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo. Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo. Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Dodge. Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schwessler.	205,044 204,977 205,03 204,955 205,000
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doege Washing machine, C. A. Doege Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r).	205,04 204,97 204,95 204,95 205,00 205,09 205,10 205,10 205,10 205,10 205,10 205,10 205,00 204,91 205,00 204,91 205,00 20
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Dodge Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r)!. Wells, casing spear for oil, J. Bole	205,044 204,97 204,95 204,95 205,00 204,95 205,00 205,00 205,01 20204,93 205,14 205,09 204,95 205,06 204,91 204,95 205,06 8,98 205,06 8,98 205,06 8,98 205,07
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle Wash board, M. A. Smith Washer and wringer, combined, J. W. Sheetz Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Dodge Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, pctroleum, E. M. Stevenson (r). Wells, casing spear for oil, J. Bole. Wheel, vehicle, C. O. Wilder.	205,04 204,97 204,95 204,95 205,00 205,00 205,00 205,00 204,93 205,14 205,09 204,95
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doage Washing machine, I. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r). Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen.	205,04 204,97 204,95 204,95 204,95 205,00 205,00 206,10 204,93 205,14 205,14 205,14 204,93 205,14 204,93 205,14 8,28 8,28 205,14 8,28 205,14 8,28 8,28 8,28 8,28 8,28 8,28 8,28 8,2
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doage Washing machine, I. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r). Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen.	205,04 204,97 204,95 204,95 204,95 205,00 205,00 206,10 204,93 205,14 205,14 205,14 204,93 205,14 204,93 205,14 8,28 8,28 205,14 8,28 205,14 8,28 8,28 8,28 8,28 8,28 8,28 8,28 8,2
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Dodge Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r)!. Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen. Whiffletree hook, W. S. Mead. Whiffletree hook, E. E. Morse.	205,04 204,97 205,03 205,03 205,03 205,00 205,00 205,00 205,00 205,14 206,14 206,00 205,00
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Dodge Washing machine, C. A. Dodge Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r)!. Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whimetree hook, N. M. Bowen. Whimetree hook, W. S. Mead. Whimletree hook, E. Morse. Whip, leather, E. B. Light.	205,04 204,97 205,03 204,95 205,00 205,00 205,00 205,00 205,00 204,93 205,00 204,95 205,00 204,95 205,06 204,91 204,93 205,06 204,91 204,95 205,06 204,91 204,95 205,06 204,91 204,95 205,06 204,91 204,95 205,06 204,91 205,06 204,91 205,06 204,91 205,06 204,91 205,06 204,91 205,06 204,91 205,06 204,91 205,06 204,91 205,06 20
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doage Washing machine, I. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r). Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen. Whiffletree hook, N. M. Bowen. Whiffletree hook, E. E. Morse Whip, leather, E. B. Light. Wire barbing machine, F. Billings	205,04 204,97 204,97 2020,93 205,09 205,09 205,09 205,09 204,95 204,9
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doage Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r)!. Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen. Whiffletree hook, W. S. Mead. Whiffletree hook, E. E. Morse Whip, leather, E. B. Light. Wire barbing machine, F. Billings Wire cutter, S. D. Locke.	205,04 204,97 2204,95 2204,95 2204,95 2205,00 2205,00 2205,00 2204,93 2205,14 2205,00 2204,93 2205,10 2205,
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doage Washing machine, I. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r). Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen. Whiffletree hook, N. M. Bowen. Whiffletree hook, E. E. Morse Whip, leather, E. B. Light. Wire barbing machine, F. Billings	205,04 204,97 2204,95 2204,95 2204,95 2205,00 2205,00 2205,00 2204,93 2205,14 2205,00 2204,93 2205,10 2205,
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doage Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r)!. Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen. Whiffletree hook, W. S. Mead. Whiffletree hook, E. E. Morse Whip, leather, E. B. Light. Wire barbing machine, F. Billings Wire cutter, S. D. Locke.	205,04 204,97 2204,97 2204,95 2205,00 205,00
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Dodge Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r)!. Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen. Whiffletree hook, W. S. Mead. Whiffletree hook, W. S. Mead. Whiffletree hook, E. Morse Whip, leather, E. B. Light. Wire cutter, S. D. Locke. Wire cutting machine, J. Adt.	205,04 204,97 205,03 2204,95 2205,03 2205,09 2205,109 2205,109 2205,109 2205,109 2205,109 2204,91 2205,109 2205,109 2206,91
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doage Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r). Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen. Whiffletree hook, N. M. Bowen. Whiffletree hook, W. S. Mead. Whiffletree hook, E. E. Morse Whip, leather, E. B. Light. Wire cutter, S. D. Locke. Wire cutting machine, J. Adt. Wire cutting machine, J. Adt. Wire cutting machine, J. Adt.	205,04 204,97 205,03 2204,95 205,03 205,00 205,00 205,00 206,14 205,09 205,16 205,00 204,93 205,14 8,28 205,44 8,28 205,09 204,94 8,28 205,01 204,94 204,94 8,28 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 205,01 206,11 206,12 206,14 206,14 206,16 206,1
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doage Washing machine, C. A. Doage Washing machine, U. Schuessler. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r). Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen. Whiffletree hook, W. S. Mead. Whiffletree hook, W. S. Mead. Whiffletree hook, E. E. Morse Whip, leather, E. B. Light Wire cutter, S. D. Locke. Wire cutting machine, J. Adt.	205,04 204,97 205,03 2204,95 205,03 205,00 205,00 205,00 206,14 205,09 205,16 205,00 204,93 205,14 8,28 205,44 8,28 205,09 204,94 8,28 205,01 204,94 204,94 8,28 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 205,01 206,11 206,12 206,14 206,14 206,16 206,1
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, II. Schmelzpfenning. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r)!. Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen. Whiffletree hook, W. S. Mead. Whiffletree hook, E. E. Morse Whip, leather, E. B. Light. Wire outling machine, F. Billings Wire cutting machine, J. Adt. Wire cutting tool, C. M. Knowles. Wrench, pipe, J. Hartman, Jr.	205,04 204,97 205,03 2204,95 205,03 205,00 205,00 205,00 206,14 205,09 205,16 205,00 204,93 205,14 8,28 205,44 8,28 205,09 204,94 8,28 205,01 204,94 204,94 8,28 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 204,94 205,01 205,01 206,11 206,12 206,14 206,14 206,16 206,1
	Torpedo for oil wells, J. Briscoe. Toy, J. H. Hawes. Toy pistol, L. Braun Truss, Deveron & Lackman. Valve, steam, Stringer & Francis. Vehicle top, D. Jannopoulo Vehicle top adjuster, Lamson & Brotherton Vehicles, jump seat for, Wingler & Stough. Ventilator and chimney top, W. F. Rossman. Wagon cover, D. Jannopoulo Wardrobe, M. Doyle. Wash board, M. A. Smith. Washer and wringer, combined, J. W. Sheetz. Washer, atmospheric clothes, Brooks & Crooker. Washing machine, C. A. Doage Washing machine, C. A. Doage Washing machine, U. Schuessler. Washer for piece goods, S. Arnold. Water closet, W. Bishop. Water wheel, turbine, J. Schuessler. Well, petroleum, E. M. Stevenson (r). Wells, casing spear for oil, J. Bole Wheel, vehicle, C. O. Wilder. Whiffletree hook, N. M. Bowen. Whiffletree hook, W. S. Mead. Whiffletree hook, W. S. Mead. Whiffletree hook, E. E. Morse Whip, leather, E. B. Light Wire cutter, S. D. Locke. Wire cutting machine, J. Adt.	205,047 204,97 204,95 204,95 204,95 204,95 205,00 204,93 205,14 205,10 204,93 205,14 205,10 204,93 205,14 205,00 204,93 205,14 205,00 2
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