ENGINEERING INVENTIONS.

A bridge plate for railway joints, etc., has been patented by Mr. Thomas J. Bush, of Lexington. Ky. It is made with curved strengthening flanges and flat surfaces, in combination with clamp plates and interlocking bolts, making an elastic truss calculated to adapt itself to the wave of deflection as the wave passes through the joint of the track.

A car axle box has been patented by Mr. Charles E. Candee, of New York City. It is a reversible internally chilled axle box castall in one piece, and so made that its interior walls present upper and lower chilled bearing surfaces integral with the shell of the box, the invention relating more particularly to roller-bearing axle boxes for railroad car wheel axles.

A car axle has been patented by Mr. John Pettinger, of Santa Barbara, Cal. Combined with a tubular spindle are sleeves carrying the wheels and journals, a dust cap, and other novel features, the invention relating to that class of axles which permit the independent turning of the wheels, and combining lightness with durability and simplicity of parts.

A car brake has been patented by Mr. Robert H. Dement, of Hudson, Ill. The invention consists of a crank disk secured to the lower end of a brake staff and connected with the brake lever rod, a spring pressing against the lower end of the brake staff, and a stop pin being secured to the crank disk to limit its motion, whereby the brake staff is given only one half of a revolution and is then automatically held in

A propelling and steering apparatus for vessels has been patented by Mr. Carl C. L. Lucht, of Colberg, Prussia, Germany. The invention relates to that class of devices in which pairs of hinged wings are used, which automatically separate when moved in one direction and swing together when moved in the opposite direction, whereby the course of the vessel can be regulated from the upper deck, and its direction reversed without reversing the engine.

AGRICULTURAL INVENTIONS.

A combined planter and fertilizer distributer has been patented by Mr. Charles T. Waters of Butler, Ga. The invention covers a novel construction and combination of parts in a machine that is intended to plant cotton seed, seed corn, peas, etc., and to drop or distribute fertilizers.

A planter and roller has been patented by Meesrs. William H. Littell and John R. Scofield of Charles City, Iowa. It is so made that the weight of the driver, when the dropper is off, will elevate the flukes clear from the ground, the machine being easily turned at the end of a row, while the roller can be readily detached and used separately.

A grass killer has been patented by Mr. Jordan P. Mathis, of Bently, Miss. It consists of a blade to be used with a plow stock or in a similar way the blade being formed of a plate curved from edge to edge and cut out in the center to form side plates, and also having rear diverging blades, the side blades straddling the row of plants and cutting the grass close to and upon both sides, and the device being very cheap, simple, and effective.

MISCELLANEOUS INVENTIONS.

A sign has been patented by Mr. William B. Atkinson, of Franklin, Ky. It is more especially designed for jewelry or watchmakers' establishments, and consists of a case with dials whose hands are moved by an inclosed wind wheel.

A drag saw has been patented by Mr. Phillip Thurman, of New Florence, Mo. It is made with a vertically slotted standard in which the saw works, being held down within the cut by the action of springs, the device being held in position for its work

A wind vane motor for clocks has been patented by Mr. Adrian Hitt, of Rushville, Ind. It consists of an upright shaft carrying a wind vane, and in gear wheels and shafts by which the power is transmitted to wind the mechanism of a time piece and also to indicate on a dial the direction of the wind.

An ox bow has been patented by Mr. Luman Rundell, of New Baltimore, N. Y. It is formed of wooden arms and a tubular metallic middle section, having an outwardly bowed lower central portion, so that it will not bear upon the windpipe or the veins or arteries of the neck.

A Venetian blind has been patented by Mr. Frank A. Howson, of Brooklyn, N. Y. The slats are so formed as to provide for the rolling or sliding of the blinds into properly arranged housings located at either the top or the bottom of the window in connection with which the blinds are arranged.

A vinaigrette, or perfume holder, has been patented by Mr. Charles E. F. Lewis, of Brooklyn, This invention covers a novel design of such article, in which means are provided whereby the stopper will be held in connection with the article when removed, and in convenient position for replacement.

A combined tenoning and mortising machine has been patented by Mr. Joseph Du Francs of North Topeka, Kansas. The invention covers a novel construction, combination, and arrangement of parts in a foot power machine, which also has a special feed mechanism and means for holding and placing the

A tool handle has been patented by Mr. William Millspaugh, of Middletown, N. Y. Com bined with such handles as those of shovels, having a central grip supported by side arms, this invention provides for splitting them longitudinally and inserting a strengthening plate, clamped therein by rivets or other-

A tool grinder has been patented by Mr. Norman C. Stiles, of Middletown, Conn. Com-

bined with a griuding wheel stand having a hood is an apron mounted to slide on the hood, a perforated Ushaped tube on the lower edge of the apron, with screws for closing the ends of the U-shaped tube, with other novel features.

A chimney holder for lamp burners has been patented by Mr. George E. Oliver, of Magog, Onebec, Canada. The burner has two or more fixed fingers, combined with a movable finger having an inwardly projecting portion, and a lever for engaging the inwardly projecting portion of the finger to lock the latter in position, with other novel features.

A feed rack has been patented by Mr. James R. Logan, of Fargo, Dakota Ter. It is so made that the animal may insert his head and reach far back within the rack, and withdraw his head with some fodder in the mouth, the withdrawal of any other excess of fodder is prevented, thus allowing free feeding, but preventing waste.

An animal trap has been patented by Mr. John Nuding, of Kloeppel, Dakota Ter. The invention relates to spring jaw traps in which the trigger is tripped by the animal attacking the bart on the trigger plate, and it is so made that the trap may be set without the operator touching the trigger or passing his fingers between the jaws.

A finder for photographic cameras has been patented by Mr. John J. Higgins, of New York City. It has a duplex finder, with finder box having horizontal and vertical view apertures and movable mirror, with other novel features, for facilitating the taking of instantaneous pictures of objects in motion, or for finding objects in advance of or at the time of operating the shutter.

A combined envelope and tag has been patented by Messrs, Marcus L. Whitney, of Minneapolis, Minn., and Galen B. Whitney, of Port Jervis, N. Y. It is formed of a blank of paper, with its main body pieces adapted to be folded together and jointed at their edges to form an envelope, another part of the blank being adapted to form a tag, affording a convenient means of sending bills, etc., with the object to which the tag is

SCIENTIFIC AMERICAN

BUILDING EDITION.

AUGUST NUMBER.

TABLE OF CONTENTS.

TABLE OF CONTENTS.

1. Elegant Plate in Colors of a Four Thousand Dollar Residence at Flushing, N. Y., with floor plans, specifications, sheet of details, bills of estimate, etc.

2. Plate in Colors of a Twelve Hundred Dollar Double House, with plans, specifications, sheet of details, bills of estimate, etc.

3. Page engraving of an Elegant Residence corner Eighth Avenue and Berkeley Stre t, Brooklyn, N. Y.

4. The new United States Court House and Post Office, Montpelier, Vermont. Half page engraving showing Competitive December 1.

order, nontripener, vermont. Hair page engraving.

5. Half page engraving showing Competitive Design for Carnegie Free Library, Allegheny City, Pa., Jas. W. McLaughlin, Architect.

6. The National Agricultural Exposition Building at Kansas City. Quarter page engraving.

7. Drawing in perspective, with floor plans, of a Forty-dive Hundred Dollar Dwelling.

8. Engraving of the Cogswell Polytechnic College, San Francisco, with description.

9. Illustrations of an English Double Cottage of moderate cost.

10. Design for a Marble Fireplace. Half page il-

moderate cost.

10. Design for a Marble Fireplace. Half page illustration.

11. Perspective view, with floor plans, of a Handsome Cottage of moderate cost.

12. Design for a Church of moderate cost. Half page illustration.

12. Design for a Church of moderate cost. Half page illustration.

13. Two elevations and a floor plan of an Austrian Country House.

14. Engraving of Tomb of Colonel Herbinger, Mont Parnasse Cemetery, Paris.

15. Selections of Carved Work from the New Hotel De Ville, Paris. Page of illustrations.

16. Two large views of Engine Room at Ferguslie Mills, Paisley: Decoration in Burmantofts Faience.

17. A French Villa at Enghien-les-Bains, France. Two perspective views and four figuresshowing floor plans.

18. The College of the City of New York: The Technical Courses. Eleven views of different Departments.

19. Perspective view of City Residence of Herr Windesheim, at Halle, Germany.

20. The Home of Milton. Full page of views.

21. Quarter page engraving of a Continental Cot tage.

22. Misscellaneous Contents: Useful Items for

20. The Home of Milton. Full page of views.
21. Quarter page engraving of a Continental Cottage.
22. Miscellaneous Contents: Useful Items for Builders.—A Woodpecker's Sugar Bush.—Pr-servation of Woodwork.—Sand in Plaster.—One Safe Theater.—A Portable Scaffolding, illustrated.—How to Increase your Wages.—Good Water Promotes Good Health.—Etruscan Tombs.—Floors and Cellings, Ancient and Modern. By C. Powell Karr, C.E., Consulting Architect. Three illustrations.—Apparatus for Testing Lime and Cements, two figures.—Whitewash as a Fire Extinguisher.—Why Pipes Burst.—How Lamp Chimneys are Made.—The Largest Vase in the World.—Description of an English Laundry.—Mud Architecture in Persia.—How Window Glass is Made.—Use of Basswood.—Painted Plate Glass Mirrors.—Flour Adulterations.—Cubic Contents of the Chinese Wall.—A Waterproofing Process for Stone.—Pap r Car Wheels, how Made.—Blistering of Paint and Varnish.—Artificial Asphalt.—Staining and Finishing Common Woods.—Plumber's Trap, illustrated.—Improved B vel, illustrated.—Naval Architecture during the Last Half Century.—Best Effects in Paper Bedroom Decoration.—Planting of Trees and Shrubs.—"Hydrofuge" Floors, illustrated.—Laddering a Tall Chimney.—Adamant Wall Plaster.—Temporary Bridges, with illustrations.

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The graphic description of the life of a mechanical

engineer and of its achievements, with special reference to the building of ocean steamships or forms the substance of this book. The salient features of the work of a constructing and consulting marine engineer, professional anecdotes, stories of the errors of engineering, are included, and make a most interesting volume. Beginning with the early history of steam navigation, its different phases of development are traced, from the original types of engine-side lever, steeple, etc.-to the introduction of the present compound engine. The slowness with which the last named obtained a hold upon the shipping industry is told, and forms a striking illustration of conservatism in the face of improvement. Though a popular work, and not dealing with the scientific aspect of the case. the author has produced a work that all young engineers will find of value from the knowledge of human nature, as exemplified in the engineering world, that the anthor displays. Nine very beautiful plates in autotype illustrate various typical factories, workshops, or

INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted

July 19, 1887,

AND EACH REARING THAT DATE

(See note at end of list about copies of these patents.)

Adding machine, D. E. Felt	366,945
Adjustable gate, W. H. Dill	366,987
Alkali, process of and apparatus for recovering	
P. Hogan	
Animal trap, W. P. White	366,802
Artist's stretcher or frame, G. H. Newell	
Automatic switch, M. Millhauser	366, 760
Axle, car, M. J. Hatcher	366 ,953
Axle, car, J. Pettinger	
Bags, catch for hand, A. Goertz	366,770
Bar. See Harvester cutter bar.	
Barrel cover, I. F. Danheiser	366,650
Barrel hoop, J. Cosgrove	
Bed, invalid, J. D. Smith	366,982
Bed sofa, H. E. Wolter Belt fastener, J. Butterworth	366,707 3 66,924
Belt, voltaic, C. B. Judd	366,777
Bevel and protractor, S. Darling Bicycle, C. J. Schoening	
Binder, temporary, T. H. Brown, Jr	367,017
Bit brace, Gavin & Cromer	
Blacking apparatus, electric boot, H. R. Garduer. Blind, Venetian, F. A. Howson	
Blotter, J. P. Gage	
Board. See Ironing board. Boiler. See Steam boiler.	
Boiler cleaner, L. Schroter	366,796
Boiler feeding and water forcing device, J. Bain- bridge	2 C C 01:)
Book cover, J. M. Bronson	366,918
Book holder, L. W. Noyes	366,680
Boot or shoe, G. Boivin Boot or shoe heel, J. L. Joyce	366,845
Boot or shoe heel, J. L. Joyce	
Boots or shoes, heel fastener for, J. L. Joyce	
Bottle stopper, H. E. G. Luyties	366,73 2
Box. See Axle box. Folding box. Journal box. Miter box.	•
Brace. See Bit brace.	
Bracket. See Lamp bracket.	
Brake. See Car brake. Carriage brake. Bread raising and baking apparatus, J. M.	,
McClave	366,968
Broiler, Johnson & Brandon Broiler, W. C. North	
Broom, J. F. Parrish	3 66,6 82
Brush, C. Orther	
Building or bridge construction, P. H. Jackson	366,839
Burner. See Gas burner.	000 700
Button, T. W. Fox	366,7 69
Button, cuff, M. Bouquet	366,644
Button fasteners, blank for and method of mak-	
ing. F. H. Richards	367.010
ing, F. H. Richards Button mould, T. G. Roebuck	366,688
Button mould, T. G. Roebuck	366,688 367,016
Button mould, T. G. Roebuck	366,688 367,016 366,947
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews.	366,688 367,016 366,947 366,818 366,642
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery.	366,688 367,016 366,947 366,818 366,642 366,710
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Foz Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron.	366,688 967,016 366,947 366,818 366,642 366,710 366,712 366,713
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Foz Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer.	366,688 367,016 366,947 366,818 366,642 366,710 366,712 366,713 366,779
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, K. L. Power.	366,688 367,016 366,947 366,818 366,642 366,710 366,712 366,713 306,779 366,851 566,873
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, K. L. Power. Car coupling, W. D. Woodward.	366,688 \$67,016 366,947 366,818 366,642 366,710 366,712 366,713 366,779 366,851 566,873 366,990
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, Land, R. G. Rombauer.	366,688 367,016 366,947 366,818 366,642 366,710 366,712 366,713 306,779 366,851 566,873 368,990 366,917 366,882
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, M. D. Avery. Car coupling, J. Cameron. Car coupling, J. Gramer. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue	366,688 367,016 366,947 366,6142 366,710 366,712 366,713 366,779 366,851 566,873 366,930 366,937 366,882 366,766
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, Land, R. G. Rombauer.	366,688 367,016 366,942 366,642 366,710 366,712 366,713 366,73 366,930 366,930 366,912 366,912 366,913
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety. T. G. Glifillan. Car, safety railway, W. F. Grassier. Car, safety railway, W. F. Grassier.	366,688 367,016 366,947 366,618 366,610 366,710 366,713 366,713 366,821 366,937 366,937 366,937 366,828 366,666 366,927 366,927 366,927 366,927 366,927
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety. T. G. Gilfillan. Car, safety railway, W. F. Grassier.	366,688 967,016 366,918 366,618 366,710 366,713 366,713 366,713 366,873 366,930 366,931 366,828 967,000 366,928 366,738
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety. T. G. Gilfillan. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel.	366,688 \$67,016 366,918 366,618 366,612 366,712 366,712 366,713 366,891 366,891 366,891 366,891 366,890 366,900 366,900 366,900 366,738 366,738 366,738 366,738 366,738 366,738 366,638
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue, Car, safety. T. G. Glifillan. Car, safety railway, W. F. Grassier. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter.	366,688 967,016 366,918 366,618 366,712 366,712 366,713 366,779 366,873 366,930 366,930 366,932 366,932 366,733 366,932 366,733 366,738 366,738 366,738 366,738 366,604 366,961
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Gameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety. T. G. Giffillan. Car, safety railway, W. F. Grassier. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke.	366,688 367,016 366,918 366,642 366,712 366,712 366,713 366,851 366,851 366,851 366,852 366,900 366,900 366,900 366,900 366,901 366,900 366,901 366,901
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety. T. G. Glifillan. Car, safety railway, W. F. Grassier. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriages, storm apron for, A. D. Bastian.	366,688 \$67,016 366,542 366,518 366,712 366,713 366,713 366,751 366,873 366,991 366,891 366,592 366,500 366,738 366,900 366,904 366,904 366,904 366,904 366,904 366,904 366,904
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car, hand, R. G. Rombauer. Car, safety. T. G. Giffillan. Car, safety. T. G. Giffillan. Car, safety. T. G. Giffillan. Car, stock, O. Newell. Car, stock, D. Newell. Car, stock, B. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriage brake, self-acting, G. Reinke. Carriage soading machine, G. H. Stahl.	366,688 367,016 366,917 366,818 366,610 366,712 366,713 366,773 366,551 566,977 366,582 366,583 366,588 367,000 366,975 366,988 367,000 366,975 366,988 366,788 366,788 366,788 366,788 366,788 366,788 366,788 366,788 366,788 366,980 366,788 366,980 366,981
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety. T. G. Glifillan. Car, safety railway, W. F. Grassier. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Cart, guano distributing, G. Reinke. Carriages, storm apron for, A. D. Bastian. Cart, guano distributing, A. Barnes. Cartridge loading machine, G. H. Stahl. Case. See Paper package case.	366,688 367,016 366,818 366,818 366,642 366,710 366,713 366,813 366,813 366,813 366,891 366,891 366,892 366,766 366,863 366,964 366,964 366,964 366,963 366,993 366,993 366,993
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety. T. G. Glifillan. Car, safety railway, W. F. Grassier. Car, stock, O. Newell. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriage brake, self-acting, G. Reinke. Cartidge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge.	366,688 367,016 366,947 366,818 366,6410 366,712 366,713 366,713 366,713 366,873 366,937 366,882 366,937 366,882 366,688 366,938 36
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety. T. G. Giffillan. Car, safety railway, W. F. Grassier. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriage, storm apron for, A. D. Bastian. Cart, guano distributing, A. Barnes. Cartiage loading machine, G. H. Stahl. Case. See Paper package case. Cattie tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair.	366,688 367,016 366,818 366,642 366,712 366,713 366,713 366,871 366,873 366,901 366,873 366,901 366,873 366,901 366,738 366,903 366,634 366,903 366,903 366,904 366,903 366,904 366,904 366,903 366,904
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, W. D. Woodward. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety railway, W. F. Grassier. Car, stock, O. Newell. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriages brake, self-acting, G. Reinke. Cartidge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton.	366,688 367,016 366,918 366,641 366,613 366,712 366,713
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Gameron. Car coupling, J. Kramer. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car, hand, R. G. Rombauer. Car, hand, R. G. Rombauer. Car, safety. T. G. Giffillan. Car, safety. T. G. Giffillan. Car, stock, O. Newell. Car, stock, O. Newell. Car, stock, D. Newell. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriage brake, self-acting, G. Reinke. Carriage brake, self-acting, A. Barnes. Cartidge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton. Churn and ice cream freezer, combined, A.	366,688 367,016 366,818 366,842 366,818 366,642 366,712 366,713 366,713 366,813 366,813 366,817
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, H. E. Marchand. Car coupling, W. D. Woodward. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety railway, W. F. Grassier. Car, stock, O. Newell. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriages brake, self-acting, G. Reinke. Cartidge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton.	366,688 367,016 366,818 366,842 366,818 366,642 366,712 366,713 366,713 366,813 366,813 366,817
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car, hand, R. G. Rombauer. Car, safety. T. G. Gilfillan. Car, safety. T. G. Gilfillan. Car, stock, O. Newell. Car, stock, O. Newell. Car, stock, D. Newell. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriage, baby, A. Sands. Cartidge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton. Churn and ice cream freezer, combined, A. Tschuor. Clamp. See Toilet case clamp. Cleaner. See Boiler cleaner. Carpet cleaner.	366,688 367,016 366,818 366,842 366,818 366,642 366,712 366,713 366,713 366,813 366,813 366,817
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, P. Brown. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Cameron. Car coupling, H. E. Marchand. Car coupling, H. E. Marchand. Car coupling, W. L. Power. Car coupling, W. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety T. G. Gilfillan. Car, safety T. G. Gilfillan. Car, safety R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpace cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage, baby, A. Sands. Carriage, storm apron for, A. D. Bastian. Cart, guano distributing, A. Barnes. Cartridge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton. Churn and ice cream freezer, combined, A Tschuor. Clamp. See Toilet case clamp. Cleaner. See Boller cleaner. Carpet cleaner. Clip. See Halter clip.	366,688 367,016 366,917 366,818 366,642 366,713 366,713 366,713 366,851 566,873 366,917 366,851 566,873 366,768 366,681 366,768 366,788 366,903 366,741 366,731 366,741 366,731 366,741 366,741 366,741 366,741 366,741 366,741 366,741 366,741 366,744
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car, hand, R. G. Rombauer. Car, hand, R. G. Rombauer. Car, safety. T. G. Giffillan. Car, safety. T. G. Giffillan. Car, stock, O. Newell. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriage loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton. Clurn and ice cream freezer, combined, A. Tschuor. Clamp. See Toilet case clamp. Cleaner. See Boiler cleaner. Carpet cleaner. Clip, See Halter clip. Clip for eveners, Myers & Smith. Clock, window, H. Pennington.	366,688 367,016 366,818 366,642 366,811 366,712 366,713 366,713 366,713 366,713 366,813 366,917 366,813 366,917 366,813 366,917 366,813 366,917 366,813 366,917 366,918
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, P. Brown. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Cameron. Car coupling, H. E. Marchand. Car coupling, H. E. Marchand. Car coupling, W. L. Power. Car coupling, W. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety T. G. Gilfillan. Car, safety T. G. Gilfillan. Car, stock, O. Newell. Car, stock, C. Newell. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carriage, baby, A. Sands. Carriage, baby, A. Sands. Carriage, baby, A. Sands. Carriage, storm apron for, A. D. Bastian. Cart, guano distributing, A. Barnes. Cartridge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton. Clurn and ice cream freezer, combined, A Tschuor. Clamp. See Toilet case clamp. Clianp. See Toilet case clamp. Cligo. See Halter clip. Clijf or eveners, Myers & Smith. Clock, window, H. Pennington. Clocks, wind vane motor for, A. Hitt.	366,688 367,016 366,917 366,818 366,642 366,713 366,713 366,713 366,851 566,873 366,917 366,852 366,961 366,738 366,903 366,741 366,833 366,917 366,819 366,744 366,741 366,741 366,744 366,744 366,741 366,744 366,744 366,744
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Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, P. Brown. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Cameron. Car coupling, H. E. Marchand. Car coupling, H. E. Marchand. Car coupling, W. L. Power. Car coupling, W. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety T. G. Gilfillan. Car, safety T. G. Gilfillan. Car, stock, O. Newell. Car, tock, O. Newell. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carriage, baby, A. Sands. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriage brake, self-acting, G. Reinke. Carriage loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton. Clurn and ice cream freezer, combined, A Tschuor. Clamp. See Toilet case clamp. Clip. See Halter clip. Clip or eveners, Myers & Smith. Clock, window, H. Pennington. Clocks, wind vane motor for, A. Hitt. Clutch for intestine machines, A. L. Teetor. Coat sleeves, fastening for securing fur cuffsto	366,688 367,016 366,947 366,818 366,642 366,713 366,713 366,713 366,851 566,873 366,981 366,981 366,985 366,985 366,985
Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, coupling, W. D. Woodward. Car, coupling, W. D. Woodward. Car, hand, R. G. Rombauer. Car, hand, R. G. Rombauer. Car, hand, R. G. Rombauer. Car, safety railway, W. F. Grassier. Car, stock, O. Newell. Car, stock, O. Newell. Car, stock, R. H. Ripley. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriages, storm apron for, A. D. Bastian. Cart, guano distributing, A. Barnes. Cartidge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton. Churn and ice cream freezer, combined, A. Tschuor. Clamp. See Toilet case clamp. Cleaner. See Boiler cleaner. Carpet cleaner. Clip for eveners, Myers & Smith. Clock, window, H. Pennington. Clocks, wind vane motor for, A. Hitt. Clutch for intestine machines, A. L. Teetor. Coat sleeves, fastening for securing fur cuffs to F. Vorck. Combination lock, T. B. Zeller. Connecting rod, Humble & McLeod.	366,688 367,016 366,818 366,642 366,818 366,642 366,713 366,713 366,713 366,713 366,768 366,900 366,968 366,768 366,768 366,768 366,768 366,768 366,768 366,768 366,768 366,768 366,768 366,768 366,789 366,789 366,789 366,789
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Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, P. Brown. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Cameron. Car coupling, H. E. Marchand. Car coupling, H. E. Marchand. Car coupling, W. L. Power. Car coupling, W. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety T. G. Gilfillan. Car, safety T. G. Gilfillan. Car, safety allway, W. F. Grassier. Car, stock, O. Newell. Car windows, dust guard for, J. C. Tutt. Carburetor, gas, W. O. Hickel. Carriage, baby, A. Sands. Carriage, baby, A. Sands. Carriage, baby, A. Sands. Carriage, storm apron for, A. D. Bastian. Cart, guano distributing, A. Barnes. Cartridge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton. Churn and ice cream freezer, combined, A Tschuor. Clamp. See Toilet case clamp. Clanp. See Toilet case clamp. Clanp. See Halter clip. Clip or eveners, Myers & Smith. Clock, window, H. Pennington. Clocks, wind vane motor for, A. Hitt. Clutch for intestine machines, A. L. Teetor. Coat sleeves, fastening for securing fur cuffsto F. Vorck. Combination lock, T. B. Zeller. Connecting rod, Humble & McLeod. Copying press, M. T. Scarff. Core oven, E. Millett. Corset, D. H. Fanning. Cotton press, roller, H. A. Evans.	366,688 367,016 366,818 366,618 366,611 366,712 366,713 366,713 366,713 366,713 366,713 366,713 366,723 366,726 366,726 366,737 366,937 366,937 366,937 366,937 366,937 366,937 366,937 366,937 366,938 366,741 366,737 366,838 366,741 366,838 366,741 366,838 366,741 366,838 366,838 366,838 366,838 366,838 366,838 366,838 366,838 366,838 366,838 366,838 366,838 366,838 366,738 366,738 366,738 366,738
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Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox. Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, M. D. Avery. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Cameron. Car coupling, J. Kramer. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, coupling, W. D. Woodward. Car, coupling, W. D. Woodward. Car, dunping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety railway, W. F. Grassier. Car, stock, O. Newell. Car, stock, O. Newell. Car, stock, D. Newell. Car, stock, D. Newell. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage brake, self-acting, G. Reinke. Carriage, storm apron for, A. D. Bastian. Cart, guano distributing, A. Barnes. Cartridge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton. Churn and ice cream freezer, combined, A. Tschuor. Climp. See Halter clip. Clip for eveners, Myers & Smith. Clock, window, H. Pennington. Clocks, wind vane motor for, A. Hitt. Clutch for intestine machines, A. L. Teetor. Cootton press, M. T. Scarff. Core oven, E. Millett. Corset, D. H. Fanning. Cotton press, roller, H. A. Evans. Coupling. See Car coupling. Thill coupling. Cuff holder, G. K. Webster. Cultivator, J. W. Clark.	366,688 367,016 366,917 366,818 366,642 366,712 366,713 366,713 366,771 366,823 366,900 366,901 366,761 366,733 366,900 366,664 366,901 366,733 366,903 366,744 366,713 366,793 366,793 366,793 366,793 366,793 366,793 366,793
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Button mould, T. G. Roebuck. Button setting instrument, A. G. Wilkins. Camera shutter, J. J. Fox Car brake, R. H. Dement. Car coupling, J. S. Andrews. Car coupling, P. Brown. Car coupling, P. Brown. Car coupling, J. Cameron. Car coupling, J. Cameron. Car coupling, H. E. Marchand. Car coupling, K. L. Power. Car coupling, K. L. Power. Car coupling, K. L. Power. Car coupling, W. D. Woodward. Car, dumping, G. E. Blaine. Car, hand, R. G. Rombauer. Car head rest and table, combined, B. C. Donahue Car, safety T. G. Gilfillan. Car, safety allway, W. F. Grassier. Car, stock, O. Newell. Car, stock, O. Newell. Car, stock, C. Newell. Carpet cleaner, J. F. Kieswetter. Carriage, baby, A. Sands. Carriage, baby, A. Sands. Carriage, storm apron for, A. D. Bastian. Cart, guano distributing, A. Barnes. Cartridge loading machine, G. H. Stahl. Case. See Paper package case. Cattle tie, E. R. Michaelis. Chain wheel, J. M. Dodge. Chair. See Reclining chair. Chenille machine, T. Johnson. Chuck, lathe, L. E. Whiton. Churn and ice cream freezer, combined, A. Tschuor. Clamp. See Toilet case clamp. Claner. See Belien cleaner. Carpet cleaner. Clip. See Halter clip. Clipfor eveners, Myers & Smith. Clock, window, H. Pennington. Clocks, wind vane motor for, A. Hitt. Clutch for intestine machines, A. L. Teetor. Coat sleeves, fastening for securing fur cuffs to F. Vorck. Combination lock, T. B. Zeller. Connecting rod, Humble & McLeod. Copying press, M. T. Searff. Core oven, E. Millett. Corset, D. H. Fanning. Cotton press, roller, H. A. Evans. Coupling. See Car coupling. Thill coupling. Cuff holder, G. K. Webster. Cultivator, rotary, Coleman & Howard. Cutter. See Paper cutter. Vegetable cutter. Damper for stovepipes, W. H. Berger. Defecator for cane juice, L. F. Haubtman. Dial figuring machine, A. T. Westlake. Doll, R. E. Johnson.	366,688 367,016 366,712 366,818 366,612 366,713 366,713 366,713 366,851 566,873 366,851 566,873 366,917 366,852 366,961 366,741 366,819 366,741 366,819 366,741 366,819
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92	Scientific 2	
Oraught equalizer, G. H. Scoffeld	Medical compound and confection, combined, S.	S) S:
Car and mouth protector, L. Nehemias	Metals and utilizing the same for metallurgical	8
Electric machine, dynamo, J. W. Easton 366,941 Electricity, apparatus for measuring, G. Forbes. 366,824 Elevator. See Water elevator.	Mill. See Stone sawmill. Mincing and filling machine, T. Williams, Jr 366,706 Miner's outfit, Williams, Jr., & Keller 366,907	9 9 9
Elevators, safety catch for, J. W. & B. A. Taylor 366,745 Embossing leather, paper, etc., machine for, J. M. Baker	Miter box, A. G. Johnson. 366,842 Mould. See Button mould. Moulding, J. Parmelee. 366,859 Mole trap, J. T. Lewman 365,968	95 95 95
bugine. See Rotary engine. Ingine reversing gear, B. H. Whitney	Motor. See Hydraulic marine motor. Motor, J. H. Holmgreen. 366,958 Newspaper holder, J. Willy. 366,903	99 99
thers from petroleum, making, E. Schaal 366,885 xtractor. See Feed water grease extractor. eed water grease extractor, W. D. Nelson 366,864	Nut lock, Cunningham & Peppin	02 02 02
seding salt to live stock, trough for, A. Cowan. 366,933 since, B. J. Leslie	Operating table and lounge, convertible, B. Marshall 366,783 Organs, reed board for, J. Courville 366,997 Ox bow, L. Rundell 368,883	2 7
errule for cant hooks and the like, A. Sanford 366,689 lile for letters and papers, etc., W. A. & C. S. Cooke	Oxidizing oils and tar, apparatus for, A. F. Andrews	1
cleaning their surfaces, agitating, J. W. Hyatt	Pan. See Frying pan. 366,939 Paper cutter, F. W. Drosten	7
rearm, revolving, D. H. Rice	Paper folding machine, R. T. Brown 366,758 Paper holder, M. Vernon 366,802 Paper, machine for drying, A. A. Simonds 366,802	7
ire escape, friction block, G. Pritchett	Paper, manufacture of, S. S. Stevens 366,700 Paper package case, T. F. W. Schmidt 366,896 Pencil holder, sharpener, and eraser, slate, W. H. 0strander 366,791	
ire grenade, S. H. Van Houten	Pencil sharpener, J. A. Hard	7
Touring mills, gravity separator for, E. T. Butler 366,923 oldlug box, O. M. Hamilton	Pianoforte action, H. C. Lutz. 366,781 Piano tuning pin, H. C. Lutz. 366,782 Pick, millstone, A. Hornig. 366,969	7
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ay tedder, Lovett & Goff	Rail. See Railway rail. Railway crossing, Burnett & De Lisle 366,922	
leater. See Lunch heater. Ventilating heater. leater, F. Farquhar et al	Railway crossing gate, automatic, G. W. Housel 366,836 Railway joints, etc., bridge plate for, T. J. Bush 366,815	١
Ieuting apparatus, G. H. Reynolds 366,877 Ieel burnishing machine, J. H. Connor et al. 366,830 Hinge, gate, C. R. Hale 366,772	Bolgiano	
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Sash holder. Iook. See Picture hook. Whiffletree hook. Hoop. See Barrel hoop. Horses, detaching, G. T. Parker	Refrigerator and water cooler, combined, C. F. Slifer	
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ce skid, O. Spachmann 366,896 nhaler, J. Byrnes 366,755 nsulating compound, J. Tatham 366,896	Rod. See Connecting rod. Roofing, machine for the manufacture of, G. W. McGraw	
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Light. See Electric arc light. Lock. See Combination lock. Nut lock. Seal lock.	Sidewalks and floors over chambers and excavators, construction of, P. H. Jackson	0
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	Mould. See Button mould.	Stereoscope, J. B. Ferry 366,823 Stone sawmill, F. Jenkinson 366,727, 366,728 Stool, folding, G. J. Saubrey 366,884
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3	Paper holder, M. Vernon 366,302 Paper, machine for drying, A. A. Simonds 366,892	Du Frances
;	Paper, manufacture of, S. S. Stevens	Thill coupling, Poulson & Schneider
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81 72 47	Scraping attachment, road, L. G. Haase 366,952	and other specified diseases, H. Lamplough 14,616
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E	Seargeant	l
ĺ	Stamp, hand, W. Orcutt	ı
ı		l
ı	Stand. See Switch and signal stand. Tripod	ı
ŀ	stand.	Į
ı	Steam boiler, sectional, W. Lurkins 366,860	Į
ı	Steam engine, E. S. Smith	l
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1	Supporter. See Garment supporter.	ŧ
	Suspenders, attaching device for, T. B. Moses, Jr. 866,787	i
4		ı
	Switch. See Automatic switch.	I
1	Switch and signal stand, W. J. Morden 366,973	ı
١	Table. See Operating table.	1
	Tanning apparatus, R. J. Meiser 366,785	ļ
	Teaching spelling, etc., kindergarten apparatus	1
	• for, T. Dougherty 366,321	Ì
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	Trap. See Animal trap. Fish or game trap.	ì
3	Mole trap. Steam trap.	1
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١	Table and have an able of medicination. D. D. D. 1900 000	á
3	venicle seat pars, machine for forming, B. F. Kix 800,000	'
	Vehicle spring, A. Armstrong	
1	Vehicle spring, G. A. Brown	
2	Vehicle, two-wheeled, J. Sovereign 366,798	š
	Velocipede, H. Thresher 366,703	3
7	Velocipede handle, T. B. Jeffery 366,775	ó
7	Ventilating heater, A. McArthur	
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é	Wheel, R. Brown (r)	
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1	w nimetree iron, A. J. Martin	•
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9	Wire stretcher, J. A. Mason 366,85	3
	Wrench, A. A. Coon	8
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9	DEGLONG'	
6	DESIGNS.	
	Button, collar, C. A. Tucker 17,47	7
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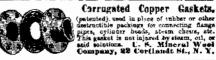




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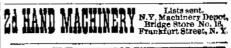
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