156

ELECTROMAGNETIC SOUNDING APPA RATUS .-- W. F. SEIDEL and E. SASSENHOFF, Elkhart, Ind. The invention relates to apparatus canable of general use but of peculiar service upon automobiles, motor-boats and the like in which it is desirable to sound signals at will. It may be operated by direct or alternating currents, and employed as a horn or whistle, and operated by hand or foot. It is easily regulated and admits of a variety of uses.

Of General Interest.

MAILABLE BLOTTER.-G. W. SPEYER, Philadelphia, Pa. The object of the invention is to provide an article, one portion of which comprises a blotter and the remaining portion adapted to carry any desired amount of advertising matter and also the name and address of the person to whom the article is mailed. On arriving at its destination, the advertising and address sections may be torn off, leaving the blotter perfectly clean and fresh for use.

PICTURE-HANGER.-H. N. PATRICK and G. T. OGLESBY, Sheffield, Ala. In this instance the get the greatest possible temperature in the invention is an improved means for hanging feed water with the least amount of steam. or suspending pictures from walls. It provides for easily and quickly raising or lowering as required, and for locking at any re-quired height. The rim of a disk is bent outwardly to provide increased space for the cord when wound on the pulley.

FENCE-POST.-A. M. WEATHERLY, provision of a double metal post which may be manufactured economically and is rigid and feed water at definite intervals. durable in use. It is adapted for use of boards, pickets, or wires comprising the body sections or portion of a fence, and may be used in line as a part of the fence proper, or as a corner therefor.

STOVEPIPE .-- J. MCGHIE and B. BLOOD, Spokane, Wash. The invention is an improve ment in stove and other pipe-joints and has for an object to provide a simple construction which can be easily made and which will effectually and safely couple the pipe sections so they may be conveniently detached. In practice the sections may be made with projecting hook-like tongues at one end and the beads at the other end for convenience in fitting the sections together.

DINNER-BUCKET.-J. J. BURNS. Cumberland, Md. In this patent the invention is an improvement in dinner buckets intended especially for working men and others who may desire to take dinner with them, and for heating the different articles. The bucket will be found useful by hotels and restaurants for sending out hot dinners.

DEVICE FOR TEACHING PENMANSHIP.--L. G. MCCONACHIE, Madison, Wis. In the been added. Even greater in value is an ad-ordinary school copybook used in teaching pen- dition at the end of the book which includes manship each page contains an engraved head- in a specific scheme all merchant ships that line or model and a dozen or more lines under- are at all removed from the "tramp" cateneath upon which the pupil endeavors to re- gory. The first part of the volume consists of produce the copy. The inventors object is to an illustrated description of each navy of the overcome the above objections by providing a simple and compact article of novel form.

MEASURING DEVICE.-G. F. CLARK, Tower, Minn. The object of this improvement is to provide in one compact implement, convenient for use, a board or log rule of suitable length, a short scale to take the thickness of plank or boards, and a pencil holder and a chalk holder and signal silhouettes of the ships of the navy, for respectively tallying the material as meas- from battleships down to torpedo boats, folured, and for marking the area or cubical contents of boards or logs, respectively, as they are measured.

PHOTOGRAPHER'S TRIMMING-WHEEL.-L. F. SMITH, El Paso, Ill. This improvement relates to trimming wheels, that is, a device having rotary cutter, as employed by photographers for cutting photograph prints, and similar material, into circular, oval or other shape, and at the same time when desired, leave a marginal border around the picture or print, of contrasting color or tint.

Machines and Mechanical Devices.

WOVEN FABRIC .-- J. K. DALKRANIAN, New York, N. Y. The object of the invention is sentially in a selvage having a selvage ground

is slightly larger toward the head end so that it can be driven tight in its seat.

FEEDING-HOPPER.-A. JOHNSON, New York, N. Y. The improvement pertains to hoppers for feeding metal crowns or caps for bottles or other articles having inclined walls of gradually increasing diameter, to an assembling table. The object being to provide a device so constructed as to direct and deliver the articles open side, or right side upward, for receiving cork disks therein, thus obviat-ing the necessity of manually turning the crowns, therefore saving considerable time in the assembling of parts.

Prime Movers and Their Accessories. FEED-WATER HEATER.-M. L. CABLE, Greensboro, N. C. The invention relates to water heating systems designed for use in connection with the feed water for boilers, radiating systems and the like, in which exhaust or waste steam from an engine or the like is utilized for the purpose of heating water, the steam and water being combined in a heater before being supplied to the feed pipe connected to the boiler or other device. An object is to

WATER-PURIFYING APPARATUS FOR FEED-WATER IN STEAM-BOILERS .--- J. JÖRGENSEN, Baldersgade 8, Copenhagen, Denmark. In the present patent the invention is an improvement in purifying apparatus for

feed water, and relates especially to that class of purifying apparatus wherein the feed water Rome, Ga. The object of the invention is the is mixed with lime water contained in a tank or vessel, the lime water being supplied to the

NOTE .- Copies of any of these patents will be furnished by Munn & Co. for ten cents each. Please state the name of the patentee, title of the invention, and date of this paper.

NEW BOOKS, ETC.

FIGHTING SHIPS. Founded and edited by Fred T. Jane. London: Pub-lished for the Naval Syndicate by Jane. London: Sampson Low, Marston & Co., Ltd., Price, \$8.50. Oblong 4to; 1907. pp. 495.

The 1907 edition of Jane's "Fighting Ships" is marked by the accuracy and completeness which have given to this annual its widespread popularity, and there are certain new features added which greatly enhance its value. The principal addition is the treatment of merchant ships, photographs of which have now been given a national arrangement, while at the end of each of the principal navies are placed all liners which are likely to have some war use as scouts, etc., or which are subsidized. Silhouettes of these merchant ships have also world, over 400 pages being devoted to this feature alone. The information regarding each navy comprises, first, diagrams of the various flags; maps of the leading shipyards with to provide certain improvements in selvages for fabrics, notably woven pile fabrics of the oriental rug type. The invention consists es-sentially in a selvage action of the belts, and the ships with waterline belts safe against various trace of the belts.

position. The key, when assembled for use, PRECISION GRINDING. By H. Darbyshire, Co New York: Hill Publishing Company. 162 6x9 pages; 39 illustrations; 3 tables. Price, \$2.

The author of this book, who is a well known contributor to the columns of the American Machinist on grinding and kindred subjects, sets forth in this volume some valuable information which should be of service to users of grinding machines in general. He deals briefly and to the point with the advantages of grinding, describes various classes of grinding wheels and methods of making and grading them, discusses speeds and feeds of wheel and work and the effect on output Cle and quality of finish, of coarse and fine grits, hard and soft wheels, broad and fine feeds, etc. One chapter is devoted to plain cylindrical grinding and another to plane surface grinding in which the use of the magnetic chuck is taken up along with other matters pertaining to this line of operations. Some causes of defective work such as temperature, improper methods of chucking, poorly fitted arbors, etc., are treated in a way that should make this section of the book especially useful to grinding-machine operators. The last two chapters of the book are devoted to laps and lapping, and measuring tools and gages, both of which subjects are of | importance in connection with the finishing of precision work.

INDEX OF INVENTIONS For which Letters Patent of the C United States were Issued Co Co for the Week Ending August 20, 1907. A'ND EACH BEARING THAT DATE [See note at end of list about copies of these patents.]

Acid, purification of arsenical sulfuric, J. Raschen et al.....

 Acid, purification of arsenical sulfuric, J.
 Raschen et al.
 S63,940

 Air and gas mixing apparatus, air-supplying and pressure regulating means for,
 Raschen et al.
 S63,602

 Air brake, combined automatic and
 S63,746

 Air brake, combined automatic and
 S63,746

 Straight, E. A. Wright.
 S63,746

 Air brake, combined automatic and
 S63,746

 Air brake, combined automatic and
 S63,747

 Air brake system and engineer's valve, automatic, F. B. Corey.
 S63,745

 Air purifying apparatus, Clements & Host S63,748

 Ier town commond, metallic, W. Ruebel.
 S63,761

 Alloy or compound, metallic, W. Ruebel.
 S64,140

 Allys, manufacture of, W Ruebel.
 S64,140

 Alluys, manufacture of, W Ruebel.
 S63,700

 Antomatic lubricator, J. Farley.
 S63,707

 Automatic lubricator, J. Farley.
 S63,700

 Automobiles, compressed air cushion mech S63,701

 Automobiles, compressed air cushion mech S63,638

 anism for, T. F. Scott.
 S64,038

 Automobiles, compressed air cushion mech S63,635

 Bag-holding device, C. F. Asplund.
 S63,963

 Balacon, folding, G. Regoni.<

. 864,078 D

Cement and other products, manufacture of, A. P. Bjerregaard	64 068
	02,000
Thwaite	64,0 45 63.909
Thwaite 8 Centerer, L Evans 8 Chain, expansible, S. B. W. Covell. 8 Channel cutter, J. S. Ramlose. 8 Channel F. Vollwor 8	63,836
Chaplet, F. Vollmer	63,939
Charging device, T. F. & J. G. Witherbee 8 Cheese cutter long born W. J. Bridges 8	64,053
Churn, O. G. Guss	63,713
Cigar moistener, J. K. Williams	63,769 64,105
Circuit closer, automatic, Pearson & Adams 8	64,027
Clamp. See Door clamp. Cleaning rod, thread tip, A. M. Sheakley 8	63,762
Clock, J. C. Burke	64,075 63,882
Circuit closer, automatic, Pearson & Adams 8 Circuit closer, automatic, Pearson & Adams 8 Clamp. See Door clamp. Cleaning rod, thread tip, A. M. Sheakley. 8 Clock, J. C. Burke	
 Clockworks, spring attaching means for, J. 8. Kirstein 8. Kirstein 8. Kirstein 8. Kirstein 8. Kirstein 8. Kirstein 8. Korstein 8. Kirstein 8. Korstein 8. Korstein	63,725
Waring	63,956
Clothes drainer, J. C. Bliemeister 8	63,780 63,776
Clothes rack, locking, Knowlton & Wil-	63.726
Clothes wringer, G. A. Paddock 8	63,720 63,748
Clutch and drum, J. D. Maxwell	64,0 16 63,640
Clutch, friction, A. Master	63,864 63,668
Coke extracting machine, E. H. Abraham. 8	63.891
Coke oven, G. C. Landis	64,099 64, 12 4
Composite layers, uniting and molding, A.	
Concrete block mold, E. O. Ricks 8	64,043 63,757 63,775
Concrete mixer, F. W. Blakeslee	63,775
	63,959
Condenser, barometric, H. D. Baragwanath. 8 Conveyer for metal bars. J. R. George.	63,577
863,842, 8 Conveying apparatus, J. T. Cowley	63,841 63,590
Cooking utensil, J. Fitzgerald	63,911
Copper solutions, preparation of ammonia- cal. A. Lecceur	863,80 2
Copper solutions, purification of ammonia-	
Cal, A. Lecoeur 8 Corn husker, green, C. H. Bennett 8	363,801 364,065
Corn husking machine, green, W. J. Latch-	863,857
Cotton picking or harvesting machine,	
Cotton thinning implement, D. A. Cable 8	363,96 2 363,586
Counting or registering mechanism, F. G.	000
Coupling, R. Brumbaugh 8	63,901
Cow blanket, S. Kilhefner	364,003 363 898
Crane, weigh, E. Schenck	64,036
Crate, breeding, G. A. Laybourn	364,0 0 6 363.923
Crushing machine, M. G. Bunnell	863.833
Curtain, flexible, E. H. McCloud 8	63,741
Curtain pole, A. W. Hunter	863,993
Counting or registering mechanism, F. G. Jahn	63,618
Sattler	63,883
Cutting machine, W. G. Hager	63,714
Johnson	
	863,998
Detector bar, W. E. Foster	863,998 863,912 863,772
Detector bar, W. E. Foster	863,998 863,912 863,772 863,649
Destector bar, W. E. Foster	863,912 863,772 863,649 863,767
Destruction with the second	863,912 863,772 863,649 863,767
Destruction with the second	863,912 863,772 863,649 863,767
Destruction with the second	863,912 863,772 863,649 863,767
Destruction with the second	863,912 863,772 863,649 863,767
Destruction with the second	863,912 863,772 863,649 863,767
Dish drier and trainer, A. T. Baugh	863,912 863,772 863,649 863,767
Dish drier and trainer, A. T. Baugh	363,912 363,772 363,767 363,661 363,767 363,661 363,767 363,610 363,789 364,026 363,595 364,059 363,650
Dish drier and trainer, A. T. Baugh	363,912 363,772 363,767 363,661 363,718 363,610 363,718 363,718 363,610 363,759 364,026 363,982 363,650 363,917 363,830
Dish drier and trainer, A. T. Baugh	903,912 903,762 903,767 903,767 903,661 903,718 903,917 903
Dish drier and trainer, A. T. Baugh	363,912 363,767 363,649 363,767 363,661 363,718 363,610 363,718 363,610 363,758 364,026 364,026 363,595 363,650 363,650 363,863 363,704 363,704 363,704 363,704 363,704 363,686
Dish drier and trainer, A. T. Baugh	363,912 363,767 363,649 363,767 363,661 363,718 363,610 363,718 363,610 363,758 364,026 364,026 363,595 363,650 363,650 363,863 363,704 363,704 363,704 363,704 363,704 363,686
Dish drier and trainer, A. T. Baugh	363,912 363,767 363,649 363,767 363,661 363,718 363,610 363,718 363,610 363,758 364,026 364,026 363,595 363,650 363,650 363,863 363,704 363,704 363,704 363,704 363,704 363,686
Dish drier and trainer, A. T. Baugh	363,912 363,767 363,649 363,767 363,661 363,718 363,610 363,718 363,610 363,758 364,026 364,026 363,595 363,650 363,650 363,863 363,704 363,704 363,704 363,704 363,704 363,686
Dish drier and trainer, A. T. Baugh	363,912 363,767 363,649 363,767 363,661 363,718 363,610 363,718 363,610 363,758 364,026 364,026 363,595 363,650 363,650 363,863 363,704 363,704 363,704 363,704 363,704 363,686
Dish drier and trainer, A. T. Baugh	903,912 903,912 903,762 903,767 903,767 903,767 903,767 903,767 903,761 903,768 903,708 904,026 903,708 904,026 903,704 903,830 903,830 903,704 903,807 903
Dish drier and trainer, A. T. Baugh	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
Dish drier and trainer, A. T. Baugh	903,912 903,912 903,762 903,764 903,767 903,767 903,768 903,761 903,718 903,761 903,768 904,026 903,704 903,805 903,805 903,805 903,805 903,807 903,704 903,806 903,807 905
Dish drier and trainer, A. T. Baugh	903,912 903,912 903,912 903,649 903,767 903,767 903,767 903,767 903,767 903,767 903,768 903,708 903,708 903,708 903,704 903,814 903
 Dish drier and trainer, A. T. Baugh	$\begin{array}{c} 803,912\\ 803,972\\ 803,649\\ 803,767\\ 803,767\\ 803,767\\ 803,718\\ 803,718\\ 803,718\\ 803,718\\ 803,610\\ 803,718\\ 803,625\\ 803,982\\ 803,9$
Detector bar, W. E. Foster	903,912 903,912 903,912 903,649 903,767 903,767 903,767 903,767 903,767 903,767 903,768 903,708 903,708 903,708 903,704 903,814 903
Detector bar, W. E. Foster	$\begin{array}{c} 303,912\\ 303,972\\ 303,649\\ 303,761\\ 303,767\\ 303,661\\ 303,767\\ 303,661\\ 303,718\\ 303,610\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,718\\ 303,714\\ 303,704\\ 303,820\\ 303,820\\ 303,814\\ 303,829\\ 303,814\\ 303,829\\ 303,814\\ 303,829\\ 303,814\\ 303,852\\ 303,814\\ 303,799\\ 303,814\\ 303,799\\ 303,814\\ 303,799\\ 303,814\\ 303,799\\ 303,814\\ 303,799\\ 303,814\\ 303,799\\ 303,814\\ 303,799\\ 303,814\\ 303,799\\ 303,814\\ 303,799\\ 303,814\\ 303,799\\ 303,814\\ 303,799\\ 303,852\\ 303,8$
Detector bar, W. E. Foster	363, 912 363, 712 363, 712 363, 712 363, 712 363, 712 363, 712 363, 712 363, 761 363, 761 363, 718 363, 718 363, 718 363, 718 363, 718 363, 718 363, 718 363, 718 363, 718 363, 718 363, 382 363, 382 363, 382 363, 383 363, 650 363, 651 363, 652 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 <t< td=""></t<>
 Dish drier and trainer, A. T. Baugh	363,972 363,772 363,772 363,772 363,772 363,772 363,649 363,778 363,610 363,718 363,610 363,718 363,610 363,718 363,610 363,789 364,026 363,830 363,683 363,682 363,683 363,684 364,081 363,679 363,674 363,682 364,081 363,674 363,674 363,674 363,682 364,081 363,674 363,674 363,674 363,674 363,674 363,674 363,674 363,674 363,674 363,674 363,674 363,674 363,674 363,674 <td< td=""></td<>
 Dish drier and trainer, A. T. Baugh	363,972 363,772 363,649 363,778 363,661 363,778 363,670 363,778 363,670 363,778 363,670 363,778 363,778 363,650 363,852 363,650 363,862 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,662 363,662 363,662 363,664 363,607 363,674 364,022 363,674 364,022 363,674 364,022 363,674 364,022 363,916 363,394 363,964 363,964 <td< td=""></td<>
 Dish drier and trainer, A. T. Baugh	363, 972 363, 972 363, 762 363, 767 363, 661 363, 767 363, 661 363, 661 363, 661 363, 661 363, 661 363, 788 364, 026 363, 650 363, 650 363, 651 363, 650 363, 650 363, 652 363, 664 363, 652 363, 674 363, 662 363, 663 363, 674 363, 662 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 <t< td=""></t<>
 Dish drier and trainer, A. T. Baugh	363,972 363,772 363,649 363,778 363,661 363,778 363,670 363,778 363,670 363,778 363,670 363,778 363,778 363,650 363,852 363,650 363,862 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,650 363,662 363,662 363,662 363,664 363,607 363,674 364,022 363,674 364,022 363,674 364,022 363,674 364,022 363,916 363,394 363,964 363,964 <td< td=""></td<>
 Dish drier and trainer, A. T. Baugh	363,972 363,972 363,649 363,778 363,661 363,778 363,670 363,778 363,670 363,778 363,670 363,778 363,670 363,778 363,852 363,650 363,917 363,862 363,650 363,917 363,852 363,650 363,917 363,850 363,650 363,917 363,850 363,650 363,917 363,650 363,650 363,617 363,629 363,629 363,629 363,629 363,629 363,629 363,629 363,629 363,629 363,629 363,629 363,621 363,621 363,621 <td< td=""></td<>
 Dish drier and trainer, A. T. Baugh	363, 972 363, 972 363, 649 363, 672 363, 661 363, 778 363, 661 363, 778 363, 661 363, 778 363, 661 363, 778 363, 670 363, 683 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 661 363, 662 363, 674 364, 022 363, 674 364, 022 363, 964 363, 964 363, 588 363, 584 363, 750 363, 750 363, 750
 Dish drier and trainer, A. T. Baugh	363,972 363,972 363,649 363,778 363,661 363,778 363,671 363,671 363,672 363,778 363,670 363,778 363,778 363,778 363,670 363,789 363,778 363,789 363,789 363,789 363,852 363,686 364,081 363,686 364,081 363,686 364,081 363,674 363,686 363,686 364,081 363,692 363,674 363,692 363,674 363,692 363,674 363,692 363,674 363,674 363,674 363,674 363,674 363,674 363,674 363,674 <td< td=""></td<>
 Dish drier and trainer, A. T. Baugh	363, 912 363, 972 363, 649 363, 772 363, 649 363, 761 363, 778 363, 670 363, 718 363, 718 363, 610 363, 718 363, 718 363, 610 363, 718 363, 620 363, 850 363, 620 363, 850 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 650 363, 661 363, 662 363, 661 363, 662 363, 674 363, 662 363, 674 363, 674 363, 674 363, 674 363, 672 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 363, 674 <t< td=""></t<>
 Dish drier and trainer, A. T. Baugh	903,912 903,912 903,649 903,649 903,661 903,718 903,661 903,718 903,718 903,718 903,718 903,718 903,718 903,704 903,850 903,850 903,650 903,850 903,850 903,850 903,850 903,850 903,850 903,850 903,850 903,850 903,850 903,850 903,850 903,850 903,850 903,861 903,852 903,863 903,874 903,874 903,874 903,874 903,964 903,964 903,964 903,964 903,964 903,964 903,964 903,964 <td< td=""></td<>
 Dish drier and trainer, A. T. Baugh	903, 912 903, 912 903, 912 903, 649 903, 661 903, 718 903, 718 903, 718 903, 718 903, 718 903, 718 903, 718 903, 704 903, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 604 903, 704 903, 803, 604 903, 704 903, 803, 604 903, 704 903, 803, 604 903, 704 903, 804 903, 604 903, 804 903, 604 903, 804 903, 604 903, 904 903, 904 903, 904 903, 904 903, 904
 Dish drier and trainer, A. T. Baugh	903,912 903,912 963,772 963,649 963,767 963,661 963,718 963,718 963,718 963,718 963,718 963,718 963,718 963,718 963,718 963,718 963,718 963,718 963,729 963,820 963,820 963,820 963,820 963,820 963,830 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,821 963,852 963,852 963,852 <td< td=""></td<>
 Dish drier and trainer, A. T. Baugh	903, 912 903, 912 903, 912 903, 649 903, 661 903, 718 903, 718 903, 718 903, 718 903, 718 903, 718 903, 718 903, 704 903, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 704 903, 803, 604 903, 704 903, 803, 604 903, 704 903, 803, 604 903, 704 903, 803, 604 903, 704 903, 804 903, 604 903, 804 903, 604 903, 804 903, 604 903, 904 903, 904 903, 904 903, 904 903, 904
 Dish drier and trainer, A. T. Baugh	303, 912 303, 972 303, 649 303, 772 303, 649 303, 771 303, 661 303, 778 303, 610 303, 778 303, 610 303, 778 303, 610 303, 789 303, 610 303, 789 303, 650 303, 3650 303, 3650 303, 303, 982 303, 650 303, 303, 982 303, 650 303, 303, 982 303, 650 303, 303, 982 303, 650 303, 629 303, 629 303, 629 303, 629 303, 629 303, 629 303, 629 303, 629 303, 629 303, 629 303, 629 303, 629 303, 629 303, 674 364, 029 303, 916 303, 750 303, 750

transversely with the said selvage ground warp and interlooped with the binding weft of the woven fabric. standard work among naval authorities; and it will prove a source of continual interest and information to that increasing circle of woven fabric. standard work among naval authorities; and it will prove a source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and information to that increasing circle of source of continual interest and	63,760 63,606 63,676
and information to that increasing circle of caratus, milk, C. H. Hoot	63,60 6 63,676
WOVEN IADTIC.	63,676
	63,676
ENVELOP FORMING MACHINE BY I CIVINIAIS WHO follow closely the progress of Can opener. C. L. Tisdale	
Car and self-propelled sledge, convertible	
Shablow, viewould, whow the result and Orrespondent Line Dennialty of the motor, F. Frener	63.989
at in this invention is the production of a ma- ODINION WIRE DAIR. Descriptions, Specificar coupling, J. W. Malphurs	63,623
chine which is adapted to be used for the lications, Applications, Cliniton, Car with the second	
purpose of forming envelops about a circular Mass.: The Clinton Wire Cloth Com- Car, mumping, H. W. Dougherty	12,681
	e2 50e
$(9p \text{ mem} \Omega \text{ Moles is to be solid by mem } 1) = 1$	
Tangement being such that the envelop win, Anthough an advertising booklet published (car, railway, H. Collen,	63.620
be formed and sealed at substantially the same by the Clinton wire Cloth Company, of Clin- Car tools, means for conducting water of Fluid conducting pipe, A. L. Breckenridge, 86	63,695
where a great quantity of mail is sent out information as to the use and possibilities of drew	63,666
this youry officient building metanest [Oar step, extension, J. H. Cameron,, 505,099] Food product preparing a W O Emery	04,013
	63.974
Ohio The invention consists in providing the PITMAN'S DIGMONARY OF COMMERCIAN USE UNCERTAINE, H. M. Plager	82 606
Company body portion of the her with a company of the her with a compa	63.721
taper, that is, instead of tapering from the Spanish, and Italian. London: Isaac Core handball for the Solution of the Rey with a reverse taper, that is, instead of tapering from the Spanish, and Italian. London: Isaac Core handball for the Solution of the Rey with a reverse taper, that is, instead of tapering from the Spanish, and Italian. London: Isaac Core handball for the Solution of the Rey with a reverse taper, that is, instead of tapering from the Spanish, and Italian. London: Isaac Core handball for the Rey with a reverse taper, the solution of the Rey with a reverse taper of the Rey with the Rey with a reverse taper of the Rey with taper	63,672
near end of the key to the point end, 1 titlian & Sons, Ltu., 1907, Gloth, Newton, Jr	64 071
tapers back from the point toward the 12110, 502 pages. Price, 52.25. Carbineter, H. B. Maxwell 803,139 Furnace grates, cleaning attachment for	01,01-
	863,914
	63,874
holding the key and wedge in a predetermined eign countries.	63.845