ELEVATOR .- E. C. PORTER, Telluride, Colo. The invention is an elevator for water, slimes, grain, and other fluid matter, and provides a machine which will do a large amount of work with comparatively small power and contains no valves or other parts apt to wear out or get out of order, and which is capable of use at any inclination from vertical to horizontal.

MACHINE FOR MAKING CARTONS .-- S. M. LANGSTON, Camden, N. J. This invention pertains to certain improvements in machines for making cartons, and more particularly for making that type of carton in which a strip of sheet material is bent to form a tube and in which the meeting edges are secured together by a strip of tape or the like.

STEAM-HAMMER .- T. E. HOLMES. 8 Oakdale road. Sheffield, England. In this invention the object is to provide improved controlling gear whereby to render a self-acting hammer more perfectly amenable than heretofore to the will of the operator, so that the latter will be enabled to regulate, with greater certainty than hitherto, the frequency, intensity, and length of stroke of individual blows.

VARIABLE-SPEED GEARING.-J. FEIM Winnipeg, Manitoba, Canada. The principal object in this invention is to provide a plurality of non-rotatable gear members, any one of which may be brought into engagement with a rotatable gear member to cause a rotation of the latter as it moves bodily along the face of the stationary member.

LOOM-TEMPLE .- A. FORTUNA, Manchester, N. H. This invention prevents unequal wearing of the slide bar and tipping even when the bar a tendency of the bur roll to tip downwardly at its outer end a bar is lowered toward a lateral lug to correct tipping after which it is secured by a set screw. Means assist in supporting the torsional pull; and making the leverage of resisting force more nearly equal to that of the opposing force.

DRILL AND CUTTING-MACHINE.-E. A. CUNNINGHAM, Oskaloosa, Iowa. This mechanism includes a rotating bit and is arranged so that the bit is normally free to travel forward slowly as it turns, but is stopped or checked automatically in its forward travel whenever it encounters an obstacle unusually hard to penetrate, yet the bit is free to vel rapidly forward when the boring through the unusually hard obstacle is complete.

AIR-SHIP.—C. J. BERTHEL, Pinetown, N. C. The wings of the aeroplane spread a greater distance transversely to the line of flight than the fore and aft distance. This follows the analogy of the wings of a bird and founded on the principle of physics essential to successful aeroplanes, which secures a short transverse impact of the wings upon the relatively still air whose inertia gives the resultant upward pressure to buoy up the aeroplane and allow quick clearance of the air in the rear.

Prime Movers and Their Accessories.

METHOD OF UTILIZING HEAT OF COM-BUSTION AND STEAM-POWER IN PRIME MOVERS. - T. SCHTSCHERBAKOFF, Moscow, Russia. In this apparatus an internal combustion chamber is inclosed within a steam boiler so that steam is generated from heat developed in the combustion chamber and the products of direct combustion are conducted through certain controlled passages to the engine cylinder.

Railways and Their Accessories,

SPIKE.—C. D. WALCOTT, Washington, D. C. This spike is one that may be cheaply formed from rolled bars and one that avoids the splitting of the tie and which does not turn or rotate about its longitudinal axis in driving, and which withal possesses a much greater than spikes of ordinary cross-section.

Texas. This invention is an improvement in drum in position. railroad ties and fastening and has for an object to provide a simple, novel tie that can be used in connection with the ordinary wooden ties, and can be used on any ordinary ballast, will form in itself a track gage and will facilibe desired.

Hogan, Durand, Mich. The invention is an the guides; third, to provide means by which improvement in heads of the character shown the front end of the body or springs of the and described in Letters Patent formerly granted to Mr. Hogan, the said coupler head having for its purpose to serve as a substitute for a broken coupler head of the "Master Car Builders" type and is connected to engage the draw-bar of the broken coupler at the rear of the head and project a slight distance in advance thereof.

AUTOMATIC RAILROAD-SWITCH.-I. A. CALL, Salt Lake City. The object here is to provide a switch which may be operated from tion, or by hand in the usual manner, and a switch of the stub rail type which will not be the train or engine while the same is in moliable to clog from snow, dirt, or other causes, nor from contraction or expansion of the rails at the switch.

TURN-TABLE. — M. J. LEONARD, Long Branch, N. J. Mr. Leonard's invention com- be furnished by Munn & Co. for ten cents each. which always remains at the same level, the the invention, and date of this paper.

the corrugations of the double corrugated descent of the weight thus being independent of the upper level of the table—the weight being raised by the forward movement of the locomotive or other piece of rolling stock to be turned.

> CAR-DOOR .- C. W. LEANING, Yankton, S. D. This invention has reference to car doors, and more particularly such as are formed of a number of independently movable sections arranged on guideways and adapted to be moved into operative positions away from the doorway of the car when not in use.

> TRACK DEVICE FOR RAILWAY-SIGNALS. -M. M. KANE, Montgomery, Ala. The aim of this inventor is to produce a device which can be operated by a train passing in either direction, and which is constructed in such a way that it can be readily actuated by a switch point so that a signal near a switch may be controlled from the switch through the device to indicate whether the switch is open or

CAR-WHEEL.-I. P. Topp. Middlesboro, Ky. In the present patent the aim is to provide a wheel especially adapted for mining cars, and provided with a detachable hub, which may be removed when worn out, and replaced by a and energy; to save time by providing applicanew one, or should the wheel proper be intions of the calculus useful in mechanics; to jured it may be replaced by a new one, using the old hub.

AUTOMATIC SIGNAL AND STOPPING DE-VICE FOR RAILROAD-TRAINS.—F. J. MIL-LER, Cincinnati, Ohio. This inventor's purpose is to avoid collisions and his device comprehends the electro-magnetic devices in the roadbed, acting in connection with electro-magnetic devices on engine or car, whereby the entry of a train upon a section of track already occuis already worn. When worn so that there is pied, will actuate in the on-coming train a signal and will cause automatic devices to be set into action by which the throttle valve is closed and the train is automatically stopped.

> CAR-BRAKE,-H. HOFFMANN, New Rochelle, N. Y. The improvement is on a patent formerly issued to Mr. Hoffmann, and the present invention is particularly applicable where a brake drum is provided upon which a cable or chain is wrapped, the braking force being applied to the brake mechanism through the said chain.

> RAIL-FASTENER .- J. ENGEL, Millersburg, Ohio. In operation, the rail can be fastened or loosened with a sledge, and the use of nuts and bolts is avoided. The fastener can be applied to a joint as well as any part of a rail between joints, and the gage of the track can be changed by removing the metal plate fasteners from one side of the rail and placing them on the opposite side. The tie and fastener are thus adapted for use on a curved and straight track.

NUT-LOCK .- W. R. GARNER, Palestine, Texas. The device is a combination nut lock and washer and is especially for use on railway rail joints. In application the nuts should be loosened sufficiently to permit the driving of the depending washer plates between the nuts and the back plate or angle bar. These plates are attached to a top plate and the shoulder springs are also attached at their upper ends to the top plate, but all are detached thence to their lower ends. Mr. Garner has also patented another nut-lock in which the nuts will not only be prevented from turning, but the plates and angle bars will be held tightly in position on the rail joints to prevent the rails from moving or spreading, and the rails going down or dropping in a soft road bed, and nuts prevented from rattling or turning back over the bolts and lost motion of nuts and angle bars will be followed up by the spring washers and spring arms.

Pertaining to Recreation,

DRUM.—A. D. Converse, Winchendon, Mass. In this improved construction, the head is formed with a hoop section at one end of greater diameter than the body of the drum, holding effect when sunk into the wooden tie and the head is also provided with a hoop section which engages with the hoop section of RAILROAD-TIE. - G. WHITAKER, Temple, the body and is locked thereto to hold the

Pertaining to Vehicles.

OLIVER, Richland, Mo. The objects of this The price is so low the book should have a tate the fastening and releasing of the rails invention are first, to provide means by which considerable sale. a cable running from a wheel on the hind axle AUXILIARY COUPLING-HEAD. — P. W. will be guided onto a wheel on the front axle; automobile will rest directly over the front

VEHICLE-WHEEL.-W. L. HOWARD, Trenton. N. J. In a prior application Mr. Howard disclosed mechanism for detachably securing tire-carrying rims to wheels, including curved sections moving circumferentially away from each other and radially to grip the rim. The mechanism for spreading apart the gripping [See note at end of list about copies of these patents.] sections includes a worm wheel carried by a rotatable rod, the opposite ends of which are general features but provides mechanism for spreading the gripping sections and locking them in position.

Note.—Copies of any of these patents will prehends a turntable the upper surface of Please state the name of the patentee, title of

NEW BOOKS, ETC.

THE INTEGRALS OF MECHANICS. By Oliver Clarence Lester, Professor of Physics in the University of Colorado; formerly Instructor of Physics in the Sheffield Scientific School, Yale University. New York: Ginn & Co., 1909. 8vo.; 67 pages; with diagrams; cloth. Price, 80 cents.

The aim of this book is to furnish the conclusion to courses in the integral calculus such as are usually given in colleges and technical schools, and at the same time to provide for the beginning of theoretical mechanics, which usually follows the calculus. The subjectmatter is concerned entirely with such applications of the calculus as the calculation of lengths, areas, volumes, densities, centers of mass, moments of inertia, and ellipsoids of inertia. These subjects are treated in great detail, all principles being fully illustrated by examples worked out in the text and by numerous problems set as exercises. Since the ground covered is common to both integral calculus and to theoretical mechanics, the author hopes in this way to save both time save energy by treating the purely mathematical parts of mechanics entirely apart from the ideas of force and motion. This method avoids breaks in the continuity of the mechanics course proper, and minimizes the liability of the student to such troublesome confusions as moment of inertia with the moment of a force, or center of gravity with the force of gravity. Whereas the book is intended strictly as a college textbook and has little interest for those unfamiliar with the calculus, it has the additional value of illustrating the practical applications of the latter to those who have commenced its study at college and considered it purely as mental gymnastics.

AZIMUTH. By George L. Hosmer. New York: John Wiley & Sons, 1909. 16mo.; 73 pp. Price, \$1.

The purpose of this volume is to present in it compact form certain approximate methods of determining the true bearing of a line, together with the necessary rules and tables arranged in a simple manner so that they will be useful to the practical surveyor. It is a hand-book rather than 'a text-book, hence many subjects have been wholly omitted which are ordinarily included in books on Practical Astronomy but which are not essential in learning to make the observations described in this book. In all of the methods here treated the object sought is to secure sufficient accuracy for the purpose of checking the measured anles of a survey with the least expenditure of time. For this reason many approximations have been made and many refinements omitted which simplify the calculations without in troducing serious error into the results, and although such a treatment would scarcely be proper in a text-book the gain in simplicity and convenience would seem to justify its use in a book of this character. The methods which are here presented are not new, but have all appeared in one form or another in works on Navigation, Astronomy, and Surveying. Much valuable matter written on this subject is so scattered, however, that it is difficult to find in one small book all that would be needed by the surveyor in making azimuth observations.

SCIENCE AT HOME. Simple Experiments for Young People. By P. Baron Russell. New York: R. F. Fenno & Co., 1909. 16mo.; 183 pages. Price, 75 cents.

The present volume is an attempt to interest young people in simple physical and chemical experiments. The aim of the book is admirable, and the experiments are not beyond the powers of average children.

MISSION FURNITURE. How to Make It. Part I. Chicago: Popular Mechanics Company, 1909. 18mo.; 94 pages. Price. 25 cents.

This little book, which is neatly bound in cloth, belongs to the Popular Mechanics series of twenty-five cent books. It gives a number of illustrations showing how mission furniture AUTOMOBILE FIFTH-WHEEL. — E. A. can be constructed at home at a small cost.

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Inquiry No 8922.—Wanted the address of Worthington Boiler Co.

TFOR SALE.—Patent No. 925,452. Battery bolder. Drycells can be replaced instantly. No wiring. No binding screws on cells. For full particulars address S. A. Brown, 50 Hodge Street, Buffalo, N. Y.

Inquiry No. 8931.—For parties who manufacture the Western Stump isorer for boring stumps.

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FOR SALE.—Patent No. 696,590, expiring 1919. Pack-ing for steam stuffing boxes. Used in German navy and commercial service. Not utilized in America. Cheap. Chief Engineer, Str. Offenbach, Pier 10. Brooklyn, N. Y.

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TOBACCO HABIT CURED OR NO COST. Harmless home treatment. Ni-Ko Works, Wichita, Kansas.

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Inquiry No. 9001.—For the address of progressive Lanufacturers of fruit jars.

Inquiry No. 9007. - Wanted, a tin churn for churning milk that has a wire spring at top and bot churn and operated by pressing the wire springs

Inquiry No. 9009.—Wanted the address of the manufacturer of the "Leech" showcard holder, a device which is held to the outside of a show window by rubber cups.

Inquiry No. 9010.-Wanted to buy a "Rector Help-a-Phone."

Inquiry No. 9011.—For the manufacturers of a patent sewing needle that is made to slip over the thread; the eye is split so as to open and receive the thread.

Inquiry No. 9012.—Wanted to buy papiermache boxes in the shape of watermelons, colored to resemble melons, etc.

Inquiry No. 9014.—For manufacturers of machinery, supplies, etc., to equip a small plant for the manufacture of iridium-tipped gold nib making for fountain pens.

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=			Graining device, C. T. Ridgely	930,696	١
C	lock, alarm, J. B. Connolly	930,939 930,754	Grinding machine, C. Smith	930,626 930,639	1
č	lock, electric, R. D. Hickoklock pendulum, L. S. Hazzardlothes line, C. H. Hardin	930,664	Grinding machine, gearing for. D. Kelley Grinding mill. R. De Maio	930,384 930,742	п
		13.5() .3(31)	Grinding routing cutters, cutter holder for,		t
C	lothes line support, J. Siemsen	930,912	V. Royle	020,000	ĺ.
č	latch, combined friction and jaw, C. S.	930,733	Gummed paper, C. II. Crowell	930,648	1
C	Slutch or brake, friction, A. l'. Brush	930,726	Gun barrel and producing the same, R. II. Berkstresser	930,927	
110	INTER SHITTING MECHANISM FOR TERRITIZER GIS-		Guns, single trigger mechanism for double barrel shot, J. Lamer	930,975	N
C	tributers, etc., J. Boda	931,017 930,569	barrel shot, J. Lamer	930,678 930,688	L
10	man	931.004	Flammer and puller, folding tack, L. Herritt	930.945	1
C	oin actuated mechanism, M. L. Buck oin deposit apparatus, C. F. Hess	930,457 930,667	Harrow, disk, Fox & Reeves	930,466	Ш
C	ollapsible box, S. Freund	930,953	Harrow teeth, fastener for. W. A. Bennett Harvester, beet. J. Bennett	930,925	١,
C	omb loss preventing device, F. B. Salter composition of matter, S. A. Leavitt	930,991	Hat and coat hanger. G. Manser	930.399	b
C	concentrating table, Meyers & Paine concrete block molding machine, F. M.	930.553	Hat holder for packing receptacles, II.	020,490	F
			Hat holder for packing receptacles, IL Seward Hay and shock loader, T. E. & O. C. McDowell	0110,720	11
C	oncrete casings, fitting for. F. A. Koetitz oncrete mixer, J. W. Stuart	930,974			15
ľ	oncrete pipes, apparatus for constructing, F. T'eichman		Hay rack, M. Engesser Hay rake, H. A. Smith	930,305	F
C	oncrete post machine, II. Durr onductor. aerial. S. Eisenstein	930,745 930,746	Hay rake. L. D. Lamkin	931,012	1
C	Conductor, aerial, S. Eisenstein	930,896 930,611	Smythe	930,811	è
C	Control. convertible system of pressure or vacuum. W. J. Richards	930,989	Heel indenting machine, F. II. Warren Hoist, skip, P. A. Orton	930,510	5
0	Conveyer pipe. J. Hopkirk	930,668	Hook. See Register hook. Horns, boring, Etienne & Dube		ŀ
	Simons	930.992	Horse checking device, F. J. Thomas	930,705	1
0	Cooker, J. B. Dodson Dooker, steam, J. A. Kleinfelder Dooler and aerator. F. R. Noonan Copper from a solution of a salt of copper,	930,389	Horseshoe, T. J. Levý	9:30,770	0
10	Copper from a solution of a salt of copper,	J., V, 1 OU	tain, W. Butler 930,528, Ice cream freezer, B. A. Casmire	930,529	1
1	obtaining pure metallic, L. Jumau. 930.967,	930.968	Inhaler, H. P. Collins	930,841	1
1	Crates, closure fastener for bottle shipping. C. W. Smith	930.993	Inhaler, H. P. Collins Insecticide, F. X. Lechner Insulating composition. M. McGerry	931,015	8
C	cullnary utensil. A. F. Waddellultivator. A. Brigden	930.830	Insulator, L. McCarthy Insulator, L. McCarthy Insulator, Neulert & Jones. Insulator, C. M. Graham Insulator bouse fixture, automatically adjustable strain, C. S. Burge.	930,609	18
0	Cultivator. A. Brigden	930.586 930.878	Insulator, O. M. Granam	000,700	1.
1	P. Stelnmetz	930,991	modiator. Temporced wooden support for, o.	930,527	1
(Cutter head and bit, R. P. Birdwell Cutting and punching machine, D. S. Stover	930,929 930,433	M. Grahum Internal combustion engine, G. Green Internal combustion engine, H. Il. Dow	930,372	1
	Cutting tool, stone, A. Barbagelat Decorticator, W. L. Weber	930,718 930,511	Internal combustion engine, H. H. Dow Iron ore, treating, J. T. Jones Iron ores, treating titaniferous. W. Borchers	930,943 930,764	l
н	Dental tooth regulating appliance, E. H.		Iron ores, treating titaniferous. W. Borchers Ironing boards, clothes support for, R. D.	930,344	l
I	Angle	931,006	Wolf	930,903	١
1	Bernard	930.725	Jacket, lady's. J. F. Goodenow Jacket, pneumatic life, P. B. Gaudet	930,661 931,009	ı
1	Rhodes et al	930.797	Jacquard cards, machine for repeating, V. Royle	930,694	l
I I	Door fastener, A. L. Cox	930.534	Journal bearings, machine for grooving, F.	930.988	ı
i	Door lock, A. B. Lake	930.392	Kiln, A. E. Truesdell Kitchen utensil, S. C. Arnold	930,506 930,917	
li	Oor lock, A. B. Lake Drain connection, E. I. Dawes. Drain connection, Dawes & Reed. Dress fitting stand and skirt marker, C.	931,019	Knitting needles, machine for making spring,		
			J. Maitland Labeling machine, bottle, C. A. Fosselman. Lacing tool belt Kane & Christie	930,464	I
i	Orier, T. M. Wilson Orying apparatus. Howarth & Musgrave	930,756	Lacing tool, belt. Kane & Christie Lamp, electric glow, G. K. Hartung Lamp extinguisher, gas, J. Simmerman	930,958	II
H	Juli. 11. R. Hughes930,758,	9:30.759	Lamp filaments, forming electric incandes- cent, Von Bolton & Hartmann	020,722	1
li	Dritting machine. Telliple & Dosch	930.861	Lamp hydrocarbon incandescent Young &		-14
	Easel. D. A. Benjamin	930.803	Jones Lamp, incandescent gas, O. Wiederhold. Lamp, vapor burning, R. W. Zierlein. Lamp working apparatus. W. F. Hutchinson.	930,822	1
ļį	Egg carrier, J. Lunke	930.773	Lamp working apparatus. W. F. Hutchinson. Lamp working apparatus for vehicles, W. F.	930,670	I
li	Electric conductors, extension plug or device	930,882	Hutchinson Latch, gate, L. P. Peden	930,669	1
1	for connecting, W. F. O'Neill. Electric coupling, T. Maligren Electric generator, E. F. White Electric beater, J. E. Macomber Electric witch apparatus, A. F. Berry. Electric system, receiving, Wirth & Beck.	930.788	Lathe center. C. S. Totten	930,440	ш
l	Electric generator. E. F. White	930,819	Lawn sprinkler, J. Keene Lawn trimmer, W. Louden Laws reads apparatus for manufacturing	930,396	Ш
ľ	Electric switch apparatus. A. F. Berry Electric system, receiving. Wirth & Beck	930,928 930.588	Lease reeds, apparatus for manufacturing, C. A. Geer	930,659	ı
ŀ	Electrical oscillations, receiver for high-fre-	990,011	comb & Poinsett	930,700	
	quency. F. H. Vreeland	930.508 930.815	Letter box, house, V. C. Koons	930,484	ш
-10	Elevator clamp. Nulinink & Miller	930.412	Line roller, F. Buerkle Lighting systems, generator for hydrocarbon,	930,99.1	ı
	Emery wheel dresser C. Curtin End gate fastener A. F. Williams. End gate for wagons M. O. Parker End matcher, W. S. Sherman	930,535 930.585	Lighting systems, generator for hydrocarbon, O. J. Seehausen Linotype machine, J. R. Rogers	930,891	
1	End gate for wagons. M. O. Parker End matcher, W. S. Sherman	930,881 $930,421$	Liquid fuel burner, W. M. Simpson	930,568	
	R. Wagg	930.904	Liquid conveyer, E. P. Fowler Liquid fuel burner, W. M. Simpson. Load binder, W. Louden Locker for hats, etc., G. Schwinn Locomotive ash pan, J. A. Kremser Locomotive burner, H. N. Coroll	930,397 930,565	
1	Engine sparking mechanism. gas, E. S. Bowen		Locomotive ash pan, J. A. Kremser Locomotive, logging. H. N. Covell Locomotive lubricator, E. Blauhorn	930,866 930,354	1
1	Envelop for filing or carrying correspondence		Loom, automatic weft replenishing, E. S.		- 1
1	and the like, A. Bushnell, Jr	930,347	Stimpson Loom. weft replenishing, H. W. Smith Looms, change gear for mechanical, F. L.	930,631 930,425	
- 1	Eyeglass fastener, G. F. Powell Eyeglass mounting. J. Spaar	930.612	Wachtler	9:30,707	
т	Fan, motor driven, H. M. Shedd	930,622	Looms, magazine for automatic weft replen-		- 1
	Fastening, I. Coleman	930.840	ishing, W. S. Southwick. Lubricator, G. B. Essex Magnetic detector. J. Murgas.	930,462 930,780	
1	Feed heater and trough, combined, B. J. Butler Fence clamp. P. Green	930.458	Mail bag catching and delivering apparatus. R. H. Hudson		-
1	Fence clamp. P. Green Fence post, E. A. Morrill Fence post, J. B. McMillan	930.607	Mall box, F. C. Bates	930,922	
1	Fence post, telegraph pole, etc., H. L. Still-		Match igniting composition, L. Stange	930,570	
	man Fence stretching machine, wire. R. O. Frazee Fertillzer distributer, W. T. Harkey	930.541	Match tigniting composition L. Stange Match telescoping holder, B. H. 'McDouald Meat chopper, H. C. Sander Meat, curing, J. C. Lincoln Meat cutter, F. Bartz	930,799	
3	Filter, A. Rane	930.501	Meat cutter, F. Bartz	930,921	
	Filter, alr. M. McGerry	930,401	Mercuric salts with hexamethylene tetramin manufacturing soluble compounds of, A		
-	Fire alarm apparatus, electric signaling, W. H. Kirnan Fire alarm signal apparatus, W. H. Kirnan.	930.388	Busch	930,830	1
	rife escape, w. Wellistock	000.000	Metal bending machine. T. Kardong Metal castings, manufacture of, P. Bohin Metal fabric expanded N. E. Clark	930.828	3
1	Fire escape. J. P. Smith	930.800	Metal fabric, expanded. N. E. Clark	000.400	1
	Fire kindler composition, R. M. Sheets	930.803	Metal styling machine, C. A. Juengst, reissue	13.004	1
- 1	Flat iron heater. E. B. Prendergast Floor and ceiling plate and making the same, C. B. Simmons	930,417	Carut	930.413	3
9	Flowers, receptacle for. G. Purdue	930.615	Microtome, W. L. Patterson	930,686	3
	Fluids, apparatus for controlling the flow of. S. Cook	930.843	Milk cooler, T. E. Dickson Milking machines, pulsator for, D. Brown Miter box, C. L. Nystrom Mixing machine, J. A. Svenson	930,358	3
-	Flushing apparatus. A. D'Amario	930.537	Mixing machine. J. A. Svenson	930,684 930,573	3
:	Forceps. pig. W. Robertson		Moistener for brooms and brushes, J. C. O'Donal		- 1
	Whiteman	930,708	Mop. floor, J. S. Hoover	.930.540	5
-			Motor controlling dovice electric (1 1)	930,603	- 1
7		930.102	Motor driven twisting element for spinning	,	- [
7	Furnace G. F. Rendall	930,360	doubling, and twisting machines. S. Z		. 1
r	Furnace, G. F. Rendall Furnace front and door. Downie & Brown Fuse, safety. W. Menzel Fuses, adaptable terminal contact for safety,	930,360 930,675	doubling, and twisting machines. S. Z de Ferranti	. 930,850	0
a l	Fuel. W. G. Bloss furnace, G. F. Rendall furnace front and door. Downie & Brown. Fuse, safetx. W. Menzel Fuses, adaptable terminal contact for safety, V. F. Morgan Gage. See Track gage.	, 000,000	Mower, lawn, E. M. Stapleton	. 930,850 . 930,56 . 930,428	±Ι
a l		931.020	Mower, lawn, E. M. Stapleton	930,856 930,56 930,428	3

	Garment hanger, J. Nagely	930,407 930,741 930,435 930,523	V M
l	Gas burner, Bachelder & Avery Gas compressor, T. Shipley Gas compressor, T. Shipley Gas compressor, T. Shipley Gas compressor, T. Shipley Gas generator, I. A. Chavanne Gas generator, I. Moodyear Gas beater, A. Abramson Gas meter and other coin freed apparatus, prepayment. Mackenzie & Mercer Gas producer fuel feeder, J. & W. Stewart Gas producer fuel feeder, J. & W. Stewart Gas producer fuel feeder, J. & Schmidt Gas purifier, T. A. Edison Gas regulator, F. E. Youngs Gate, D. Riley, Jr. Gearing, J. W. Reams Gearing for indexing mechanisms, E. H. Browning Glass flattening tool, R. L. Frink Grain drier, centrifugal, C. W. F. Steinmann Grain separators, straw rack for, J. P. Neste Greenhouse roof construction, N. J. Rupp Grinding machine, C. Smith Grinding machine, E. Woodwaff	930,567 931,018 930,532	tin
١	Gas generator, N. Goodyear	930,749 930,914	mo
1	prepayment. Mackenzie & Mercer Gas producer fuel feeder, J. & W. Stewart. Gas producing furnace. P. G. Schmidt	930,398 930,899 930,563	Thi 695
١	Gas regulator, F. E. Youngs Gate, D. Riley, Jr.	930,640 930,418 930,569	E
	Gearing for indexing mechanisms, E. H. Browning	930,934 930,658	
	Grain drier, centrifugal, C. W. F. Steinmann Grain separators, straw rack for, J. P. Neste Graining device, C. T. Ridgely	930,898 930,785 930,690	SE
1	Greenhouse roof construction, N. J. Rupp Grinding machine, C. Smith Grinding machine, F. Woodruff	930,696 930,626 930,639	Vo
I	Greenhouse roof construction, N. J. Rupp. Grinding machine, C. Smith Grinding machine, F. Woodruff Grinding machine, gearing for D. Kelley. Grinding mill. R. De Maio Grinding routing cutters, cutter holder for, V. Royle	930,384 930,742 930,695	tio
١	V. Royle Grubber and cultivator, combined grass, C. W. Stark Gummed paper, C. H. Crowell Gum barrel and producing the same, R. H. Berkstresser Guns, single trigger mechanism for double barrel shot, J. Lamer.	930,996 930,648	18
ı	Gun barrel and producing the same, R. II. Berkstresser Guns, single trigger mechanism for double	930,927	n A Mei
			City
	Hair offessing appliance, W. J. Moore Hair roll, L. E. Renth	930,545 930,466 930,951	I
			La
	Hat hanger, E. F. Kandbinder Hat holder for packing receptacles, IL Seward	930,862 930,420	full FO ma
	Hay and snock loader, T. E. & O. C. Me- Dowell Hay carrier, F. B. Strickler Hay nock M. Engessor	930,556 930,572	ST
	Hat and coat hanger. G. Manser. Hat hanger, E. F. Kandbinder. Hat holder for packing receptacles, IL Seward Hay and shock loader, T. E. & O. C. Mc- Dowell Hay carrier, F. B. Strickler Hay rack, M. Engesser Hay rake, II. A. Smith Hay rake, L. D. Lamkin Heating furnace, seal for continuous, H. E. Smythe	930.994 931,012	T
	Smythe Heel, boot or shoe, K. C. Rogers Heel indenting machine, F. Il. Warren Hoist, skip, P. A. Orton Ilook. Sce Register hook.	930,811 930,990 930, 5 10	of Al
	Hoist, skip, P. A. Orton Hook. See Register hook. Horns, boring, Etienne & Dube	930,685	Ne Ne
	Horns, boring, Ettenne & Dube Horse checking device, F. J. Thomas. Horseshoe, T. J. Levy Hydrau t, L. M. Lancaster [ce cream containing cabinet and soda foun-	930,765 930,550 930,770	of
	tain, W. Butler	9:30,529 930,530 930,841	B M
	Insulating composition. M. McGerry Insulator, L. McCarthy	930,549 931,015 930,6 0 8	all gr se
	Insulator, Neubert & Jones	930,609 930,750	19
	Insulator, reinforced wooden support for, C. M. Graham Internal combustion engine, G. Green	930,751 930,372	
	Insulator, Neubert & Jones. Insulator, C. M. Graham Insulator bouse fixture, automatically adjustable strain, C. S. Burge Insulator, reinforced wooden support for, C. M. Graham Internal combustion engine, G. Green Internal combustion engine, H. II. Dow. Iron ore, treating, J. T. Jones Iron ores, treating titaniferous, W. Borchers Ironing boards, clothes support for, R. D.	930,943 930,764 930,344	
	routing boards, clothes support for, R. D. Wolf Irrigation ditch outlet. W. H. Tucker.	930,712	
	Irrigation ditch outlet. W. H. Tucker. Jacket, lady's. J. F. Goodenow Jacket, pneumatic life, P. B. Gaudet. Jacquard cards, machine for repeating, V. Royle Journal bearings, machine for grooving, F. Kaymond	931,009	
	Journal bearings, machine for grooving, F Raymond Kiln, A. E. Truesdell	. 930.988 . 930,506	_
)	Klin, A. E. Truesdell Kitchen utensil, S. C. Arnold Knitting needles, machine for making spring J. Maitland Labeling machine bottle, C. A. Ewselman	930,917	1
-	Lamp, electric glow, G. K. Hartung. Lamp extinguisher, gas, J. Simmerman. Lamp illaments, forming electric incandes cent, Von Bolton & Hartmann. Lamp, hydrocarbon incandescent, Young &	930,765 930,958 930,422	۱
	Lamp filaments, forming electric incandes cent, Von Bolton & Hartmann Lamp, hydrocarbon incandescent, Young &	930,723	ļ
3	Lamp, incandescent gas, O. Wiederhold Lamp, vapor burning, R. W. Zierlein	. 930,714 . 930,822 . 930,451	
2	Lamp working apparatus for vehicles, W. F. Hutchinson Latch, gate, L. P. Peden	. 930,669	ı
3	Lathe center, C. S. Totten Lawn sprinkler, J. Keene Lawn trimmer, W. Louden	. 930,440 . 930,767 . 930,396	ı
3	Lease reeds, apparatus for manufacturing C. A. Geer Leather seasoning machine attachment, Slo	930,659	۱
3	Lenses, making bifocal, W. Bausch Letter box, house, V. C. Koons Line roller, F. Buerkle	930,826 930,484 930,591	ı
	Lighting systems, generator for hydrocarbon O. J. Seehausen Linotype machine, J. R. Rogers	. 930,891 . 930,693	۱
1	Liquid conveyer, E. P. Fowler Liquid fuel burner, W. M. Simpson Load binder, W. Louden Loaker for bate at a (1. Sabusing	. 930,465 . 930,568 . 930,397	
1	Locomotive ash pan, J. A. Kremser	. 930,866 . 930,354 . 930,525	۱
7	Loom, automatic weft replenishing, E. S. Stimpson. Loom. weft replenishing, H. W. Smith Looms, change gear for mechanical, F. L. Wachtler Looms, ungraying for automatic weft replenies.	930,631 930,425	۱
2	Vachtler Looms, change gear for mechanical, F. L Wachtler Looms, magazine for automatic weft repletioning W. S. Southwick	930,707	۱
0 8	Magnetic detector. J. Murgas	. 930,462 . 930.780	۱
772	R. H. Hudson	. 930,964 . 930,922 . 930,936	
2	Match igniting composition, L. Stange Match telescoping holder, B. H. 'McDonald Meat chopper, H. C. Sander	. 930,570 . 930,406 . 930,799	
711111	Meat cutter, F. Bartz	930,772 930,921 930,722	
3			
5	Metal castings, manufacture of, 1. Bohin. Metal fabric, expanded. N. E. Clark	. 930.828 . 930.350	
3	Metal sawing machine, C. A. Juengst, reissu Metal string in grooves, securing, Parsons	e 13.004	I
1	Middlings purifier. L. A. Tator	. 930,686 . 930,504 . 930,358	
3	I MUKING machines, pulsator for. D. Brown	1. 930,833	10

merican	
mient hanger. J. Nagely	W
	M: Fo
generator, N. Goodyear 9:30,749 heater, A. Abramson 930,914 meter and other coin freed apparatus, prepayment. Mackenzie & Mercer 930,398	borit mou work ner.
	The
Browning 930,934 ss flattening tool, R. L. Frink 930,658 tin drier, centrifugal, C. W. F. Steinmann 930,898 tin separators, straw rack for J. P. Neste 930,785	SEB
nding machine, gearing for. D. Kelley 930,384	Vel to re mov tions
nding routing cutters, cutter holder for, V. Royle 930,695 bluber and cultivator, combined grass, C. W. Stark 930,996	Bo 18 Sa
nmed paper, C. II. Crowell 930,648	Cy Ta an
barrel shot, J. Lamer 930,975 i: dressing appliance W. J. Moore 930,678 ir roll L. E. Renth 930,688 me clip J. W. Dunfee 930,945 mmer and puller rolding tack L. Herritt 930,945	Messr City Londe
	Laws
t hanger, E. F. Kandblinder	full-p FOR many
y carrier, P. B. Strickler 930,572 y rack, M. Engesser 930,305 y rake, II. A. Smith 930,994 y rake, L. D. Lamkin 931,012	TH
Seward 930,420 y and shock loader, T. E. & O. C. Mc-Dowell 930,556 Dowell 930,572 y carrier, F. B. Strickler 930,572 y rack, M. Engesser 930,205 y rake, II. A. Smith 930,994 y rake, L. D. Lamkin 931,012 ating furnace, seal for continuous, H. E. 30,811 Smythe 930,811 el, boot or shoe, K. C. Rogers 930,510 ist, skip, P. A. Orton 930,685 ok. Sce Register hook. 930,747 rus, boring, Etienne & Dube 930,705	of AMI
rns, boring, Etienne & Dube 930,747 rse checking device, F. J. Thomas 930,705 rseshoe, T. J. Levy 930,550 dran I. L. M. Lancaster 930,770 cream containing caphinet and suda four.	V of W
ok. Sce Register hook. rns, boring, Etienne & Dube	BA MA allow
sulating composition. M. McGerry. 931,015 ulator, L. McCarthy 930,698 ulator, Neubert & Jones. 930,609 ulator, C. M. Graham 930,750 ulator house fixture, automatically ad- justable strain, C. S. Burge. 930,527 ulator reinforced wooden support for, C. W. Graham 930,751	grea sent
ernal combustion engine, G. Green	
Wolf 930,712 gatton ditch outlet. W.H. Tucker 930,931 (sct., lady's J. F. Goodenow 930,663 (sket, pneumatic life, P. B. Gaudet 931,009 cyluard cards, machine for repeating, V.	(
minal bearings, machine for grooving, F.	_
In, A. E. Truesdell 930,500 tehen utensil, S. C. Arnold. 930,510 titting needles, machine for making spring, J. Maitland 930,610 tehen machine, bottle, C. A. Fosselman, 930,454 cing tool, belt, Kane & Christie. 930,765 mp, electric glow, G. K. Hartung. 930,958 mp extinguisher, gas, J. Simmerman. 930,422 mp filaments, forming electric incandescent, Von Bolton & Hartmann. 930,723 mp, hydrocarbon incandescent, Young & Jones 930,714	
cent, Von Bolton & Hartmann	
Jones 380,714 mp, incandescent gas, O. Wiederhold 930,822 mp, vapor burning, R. W. Zierlein 930,451 mp working apparatus W. F. Hutchinson mp working apparatus for vehicles W. F. Hutchinson 930,669 tch, gate L. P. Peden 930,985	S
Hutchinson 930,669 tch, gate, L. P. Peden 930,885 the center. C. S. Totten 930,485 twn sprinkler, J. Keene 930,767 twn trimmer, W. Louden 930,396 ase reeds, apparatus for manufacturing, C. A. Geer 930,659 ather seasoning machine attachment, Slocomb & Poinsett 930,760	
ather seasoning machine attachment, Slo- comb & Poinsett	So

Gas conpressor, T. Shipley	F
Gas generator, N. Goodyear 930,749 1	bor
Gas heater, A. Abramson	Wor
Gas producer fuel feeder, J. & W. Stewart. 930,899	The
Gas purifier, T. A. Edison	995
Gate, D. Riley, Jr	E
Gearing for indexing mechanisms, E. H.	
Glass flattening tool, R. L. Frink 930,658 Grain drier, centrifugal, C. W. F. Steinmann 930,898	SEE
Grain separators, straw rack for, J. P. Neste 930,785	_
Greenhouse roof construction, N. J. Rupp 930,696 Grinding machine, G. Smith 930,626	Ve
Grinding machine, F. Woodruff	0 1
Grinding mill. R. De Maio 930,742	io
V. Royle	В
Grubber and cultivator, combined grass, C. W. Stark	18 5
Gun barrel and producing the same, R. II. Berkstresser	T
barrel shot, J. Lamer 930,975 !	R Mes
Hair dressing appliance, W. J. Moore 930,678 Ilair foll, L. E. Renth 930,688	City
llame clip, J. W. Dunfee	T
Harrow, disk, Fox & Reeves	IJ
Flammer and puller, folding tack, L. lierritt 930,545 Harrow, disk, Fox & Reeves 930,466 Harrow disk, disk, l'ox & Reeves 930,951 Harrow teeth, fastener for W. A. Bennett 930,339 Harvester, beet J. Bennett 930,339	Lav
Hat honger It E L'en Minder 1900 909	bus!
Ilat holder for packing receptacles, IL Seward	FO
Ilay and shock loader, T. E. & O. C. Mc- Dowell	ST
Hay carrier, F. B. Strickler	
Hay rake, II. A. Smith	TH
Smythe	Wi by of
Heel indenting machine F II Warren 124 510	AM
Holst, SEIP, P. A. Orton 930,685 Hook. See Register hook.	Ne
Horns, boring, Etienne & Dube	V
Hydran t, L. M. Lancaster 930,770	of '
tail, W. Ditter 300,020, 500,023	out B/
Inhaler, H. P. Collins	M
Insecticitie, F. A. Lechner 930,349 Insulating composition. M. McGerry 931,015	alle
Insulator, L. McCarthy 930,608 Insulator, Neubert & Jones 930,609	ser
Insulator, C. M. Graham	19
Insulator reinforced wooden support for C	13
M. Graham 930,751 Internal combustion engine, G. Green 930,372	
M. Grahum 930,751 Internal combustion engine, G. Green 930,372 Internal combustion engine, H. II. Dow 930,943 Iron ore, treating, J. T. Jones 930,764 Iron ores, treating titaniferous. W. Borchers 930,344	
froming boards, clothes support for, R. D.	
Wolf 930,712 Irrigation ditch outlet, W. H. Tucker, 930,903 Jacket, lady's, J. F. Goodenow, 930,661 Jacket preparate life, P. R. Candet, 931,009	
dataet, phenmatic life, 1. D. dandet 301,000	(
Jacquard cards, machine for repeating, V. Royle	
	_
Kitchen utensil, S. C. Arnold 930,917	-
J. Maitland	ı
Lacing tool, belt. Kane & Christie 930,765 Lamp, electric glow, G. K. Hartung 930,958	ı
Lamp extinguisher, gas, J. Simmerman 930,422	ı
cent, Von Bolton & Hartmann 930,723	ı
Jones 930,714 Lamp, incandescent gas, O. Wiederhold. 930,822 Lamp, vapor burning, R. W. Zierlein. 930,451 Lamp working apparatus. W. F. Hutchiuson. 930,670 Lamp working apparatus for vehicles, W. F. Hutchinson. 930,669	1
Lamp, vapor burning, R. W. Zierlein 930,451 Lamp working apparatus, W. F. Hutchinson, 930,670	K
Lamp working apparatus for vehicles, W. F. Hutchinson 930,669	L
Latch, gate, L. P. Peden 930,985	1
Lathe center. C. S. Totten 930,440 Lawn sprinkler, J. Keene 930,767 Lawn trinmer, W. Louden 930,336	L
Lease reeds, apparatus for manufacturing, C. A. Geer 930,659	L
Lauthou googning machina attachment VIa	l s
Lenses, making bifocal, W. Bausch 930,826 Letter box bouse V. C. Koops	I.
comb & Poinsett 930,700 Lenses, making bifocal, W. Bausch 930,826 Letter box, house, V. C. Koons 930,484 Line roller, F. Buerkle 930,591 Lighting systems, generator for hydrocarbon, 020,891	١
O. J. Seehausen 930,891 Linotype machine, J. R. Kogers 930,693 Liquid conveyer, E. P. Fowler 930,465 Liquid fuel burner, W. M. Simpson 930,568 Logd hinder W. London 930,307	ı
Liquid conveyer, E. P. Fowler 930,465 Liquid fuel burner, W. M. Simpson 930,568	ı
Load binder, W. Louden	L
Locomotive ash pan, J. A. Kremser 930,866 Locomotive, logging. H. N. Covell 930,354	8
Load binder, W. Louden 930,397 Locker for hats, etc., G. Schwinn 930,565 Locomotive ash pan, J. A. Kremser 930,866 Locomotive, logging, H. N. Covel 930,354 Locomotive lubricator, E. Blauborn. 930,525 Loom, automatic weft replenishing, E. S.	ı
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	8
Looms, Inagazine for automatic wert replen- ishing, W. S. Southwick. 930,812 Lubricator, G. B. Essex 930,462 Magnetic detector. J. Murgas. 930,780 Mail bug catching and delivering apparatus. R. H. Hudson 930,964 Mail box, F. C. Bates 930,922 Mail chute, G. P. Burris 930,936 Match igniting composition L. Stange 930,570 Match becoming belden R. L. Mathematel 930,406	
Mail bag catching and delivering apparatus. R. H. Hudson	1
Mall box, F. C. Bates 930,922 Mail chute, G. P. Burris 930,936	
Match igniting composition L. Stange 930,570 Match telescoping holder, B. H. McDonald. 930,406	8
Meat chopper, H. C. Sander 9:30,799 Meat, curing, J. C. Lincoln 9:30.772	
Meat cutter, F. Bartz	1
manufacturing soluble compounds of, A.	
Busch 930,836 Metal bending machine. T. Kardong 930,969	
Metal castings, manufacture of, P. Bohin. 930.828 Metal fabric, expanded. N. E. Clark 930.350	1
Metal, producing rods, tubes, wire, etc., di-	
rect from molten. A. II. Pehrson 930.490 Metal sawing machine, C. A. Juengst, reissue 13.004 Metal strips in grooves, securing, Parsons & Carut	
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	Grinding routing cutters, cutter holder for,	930,695		on Bo
	Grubber and cultivator, combined grass, C.	1		
	Gummed paper, C. H. Crowell	930,996 930,648		Cu
	Gun barrel and producing the same, R. II. Berkstresser Guns, single trigger mechanism for double barrel shot, J. Lamer. Hair dressing appliance, W. J. Moore Hair foll, L. E. Renth Hame clip, J. W. Dunfee Flammer and puller, folding tack, L. Herritt Harrow, disk, Fox & Reeves Marrow teeth, fastener for. W. A. Bennett. Harvew teeth, fastener for. W. A. Bennett. Harvestre, beet. J. Bennett Hat and coat hanger. G. Manser. Hat holder for packing receptacles, II. Seward Hay and shock loader, T. E. & O. C. McDowell Lay carrier, F. B. Strickler	930,927		an
	barrel shot, J. Lamer	930,975	M	Re
l	Hair dressing appliance, W. J. Moore	930,678 930,688	Lo	ty ond
	llame clip, J. W. Dunfee	930.945 930.545	-	,
	Harrow, disk, Fox & Reeves	930,466		1
	Harrow teeth, fastener for. W. A. Bennett.	930,925		ĭ
	Harvester, beet. J. Bennett	930.399		ısi
l	Hat hanger, E. F. Kandbinder	930,862		ill-j
l	Seward	930,420		an
l	Hay and shock loader, T. E. & O. C. Mc-Dowell Hay carrier, F. B. Strickler Hay rack, M. Engesser Hay rake, H. A. Smith Hay rake, L. D. Lamkin Heating furnace, seal for continuous, H. E. Smythe Heel, boot or shoe, K. C. Rogers Heel indenting machine, F. H. Warren Hoist, skip, P. A. Orton Hook. Sce Register hook. Horns, boring, Etienne & Dube	930,556 930,572	S	T(
l	Hay rack, M. Engesser	930,365	-	323
١	Hay rake, L. D. Lamkin	931,012		Vin
l	Smythe	930,811	b	y t
l	Heel, boot or shoe, K. C. Rogers Heel indenting machine, F. Il. Warren	930,990 930,510	A	M
l	Hoist, skip, P. A. Orton	930,685	N	en
١	Horns, boring, Etienne & Dube	930,747	1	6
l	Horseshoe, T. J. Levy	930,550	'	V
l	Ice cream containing cabinet and soda foun-	5/30,110		f V ut
l	Ice cream freezer, B. A. Casmire	930,529		BA
l	Inhaler, H. P. Collins	930,841 930,549		A.
	Insulating composition. M. McGerry Insulator, L. McCarthy	931,015 930.608	g	re
	Insulator, Neubert & Jones	930,609	86	en
l	Hook. Sce Register hook. Horns, boring, Etienne & Dube. Horse checking device, F. J. Thomas Horseshoe, T. J. Levy. Hydraut, L. M. Lancaster Ice cream containing cabinet and soda fountain, W. Butler	020.507	,	99
l	Insulator, reinforced wooden support for, C.	930,921	-	
l	M. Graham Internal combustion engine, G. Green Internal combustion engine, H. II. Dow Iron ore, treating, J. T. Jones Iron ores, treating titaniferous, W. Borchers	930,751 930,372		
l	Internal combustion engine, H. II. Dow Iron ore, treating, J. T. Jones	930,943 930,764		
l	Iron ores, treating titaniferous. W. Borchers Ironing boards, clothes support for, R. D.	930,344		
l	Wolf	930,712 930,903		,
١	Jacket, lady's. J. F. Goodenow	930,661		1
l	Wolf Irrigation ditch outlet. W. H. Tucker. Jacket, lady's. J. F. Goodenow Jacket, pneumatic life, P. B. Gaudet. Jacquard cards, machine for repeating, V.	000 004		1
l	Journal bearings, machine for grooving, F.	200,034		
I	Raymond	930,988 930,506	-	
١	Kiln, A. E. Truesdell Kitchen utensil, S. C. Arnold Knitting needles, machine for making spring,	930,917	1	
l	J. Maitland Labeling machine, bottle, C. A. Fosselman. Lacing tool, belt. Kane & Christie. Lamp, electric glow, G. K. Hartung Lamp extinguisher, gas, J. Simmerman. Lamp filaments, forming electric incandes cent, Von Bolton & Hartmann. Lamp hydrogathen incandescent Vonny &	930,978 930,464	ı	
1	Laring tool, belt. Kane & Christie	930,765 930,958	ı	
ı	Lamp extinguisher, gas, J. Simmerman	930,422	ı	
I	cent, Von Bolton & Hartmann	930,723	ı	
ı			i	
١	Lamp, incandescent gas, O. Wiederhold Lamp, vapor burning, R. W. Zierlein	930,822 930,451	ı	(
ı	Jones Lamp, incandescent gas, O. Wiederhold Lamp, vapor burning, R. W. Zierlein Lamp working apparatus. W. F. Hutchinson. Lamp working apparatus for vehicles, W. F. Hutchinson	930, _G 70	П	•
ı	Hutchinson Latch, gate, L. P. Peden Lathe center. C. S. Totten Lawn sprinkler J. Keene	930,6 6 9 930,98 5	Ш	S
ı	Lathe center, C. S. Totten	930,440	I	۵
	Lawn trimmer, W. Louden	930,396	П	
	Lawn sprinkler, J. Keene Lawn trimmer, W. Louden Lease reeds, apparatus for manufacturing, C. A. Geer Leather seasoning machine attachment, Slo	930,659	I	S
	comb & Poinsett	930,700	I	5
	comb & Poinsett Lenses, making bifocal, W. Bausch Letter box, house, V. C. Koons Line roller, F. Buerkle	930,826 930,484	II	S
	Line roller, F. Buerkle Lighting systems, generator for hydrocarbon	930,59.1	I	٦
	Lighting systems, generator for hydrocarbon O. J. Seehausen. Linotype machine, J. R. Kogers Liquid conveyer, E. P. Fowler Liquid fuel burner, W. M. Simpson. Locker for hats, etc., G. Schwinn. Locomotive ash pan, J. A. Kremser. Locomotive, logging, H. N. Covell. Locomotive lubricator, E. Blauborn. Loom, automatic weft replenishing, E. S. Stimpson	930,891	Ш	
	Liquid conveyer, E. P. Fowler	930,465	Ш	
	Load binder, W. Louden	930,397	П	
	Locomotive ash pan, J. A. Kremser	930,565	Ш	S
	Locomotive lubricator, E. Blauborn	. 930,354 . 930,525	II	
	Loom, automatic weft replenishing, E. S Stimpson	930,631	Ш	
	Stimpson Loom. weft replenishing, H. W. Smith Looms, change gear for mechanical, F. L	. 930,425	I	S
	Wachtler	9:30,707	I	ļ,
	Ishing, W. S. Southwick	024.469		S
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	Magnetic detector. J. Murgas. Mail bug catching and delivering apparatus. R. H. Hudson Mall box, F. C. Bates Mail chute, G. P. Burris Match igniting composition. L. Stange Match Leaconing bolder. R. H. Milloweld	930,964		S
	Mall box, F. C. Bates	. 930,922 . 930,936		
	Match igniting composition L. Stange	. 930,570 930,406		s
	Match telescoping holder, B. H. McDouald Meat chopper, H. C. Sander	. 930,799		
	Meat cutter, F. Bartz	930,921	П	
	Meat chopper, H. C. Sander Meat, curing, J. C. Lincoln Meat cutter, F. Bartz Meat bolder, C. G. Blair Mercuric salts with hexamethylene tetranin	. 9:30,722		S

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