ingoes themselves were also secured. The nests collected differed from the conventional idea of a flamingo's nest in being much lower and of a greater diameter. Doubtless the height of the nest is governed by the rise of the water. Built wholly of mud, which is scooped up from about the base of the nest by the bird, it is necessary that the site chosen shall be near enough to water to insure an abundant supply of soft material. Such a site, however, brings the nest within reach of the tide, and places it in a low situation, which may be subsequently flooded by heavy rains. Consequently the birds must build their nests high enough to protect their contents from the water.

These two conditions have resulted in the production of a mud cone, which, in the colonies examined, was never more than twelve inches in height, but those as high as eighteen inches have been reported. In the slightly hollowed top of the adobe dwelling house a single white egg is laid.

The single nest here figured, however, has been excavated to a greater depth than the

original in order to lighten it for transportation purposes.

...

## THE GREAT ROTORUA GEYSER OF NEW ZEALAND.

BY JAMES A. WARNOCK.

Yellowstone Park is reputed to have the most magnificent geysers in the world; but their reputation is based upon the statements of travelers who have never been to New Zealand, and who know nothing of its natural wonders.

Leaving Auckland by a fast express train, a journey of eight hours brings one to Rotorua, where may be seen the most splendid geyser which is probably to be found anywhere in the world. To give one some idea of the magnitude of the geyser, I need mention only the height of some of the surrounding objects. On the extreme left of the picture herewith reproduced, over the "Inferno Crater" (which contains a seething lake of water) is a small shelter shed, 450 feet above the plain. The surface of the water in the geyser basin, when at rest, is

# Scientific American

about 40 feet below this plain. From these figures it is easy to compute the height of the eruption. In the instance illustrated, that height must be about 900 feet. This is by no means exceptional. Higher "shots" have been recorded. I have myself seen a shot computed at 1,200 feet. Some months ago the area of the basin was measured in a small boat by a Mr. Buckeridge and a guide. They found that the area is about 21/2 acres, from which it may be inferred that this gevser may well be called the largest in the world.

The geyser plays about twenty-two times each month, is very erratic, and gives no warning when it is about to erupt. The theory is advanced that the basin is somewhat like a funnel, and that when the water and stones are ejected, the larger stones return and jam in the neck, thereby choking the outlet, so that an enormous pressure of steam must shift them. When the pressure is sufficiently great to blow out the obstructions, it naturally would eject water to a great height. The theory, however, is at best rather fanciful.

This geveer is not the only one to be seen in the vicinity. Others may be mentioned, such as the Pohutu, Wairoa, Feather, Papakura, and others, besides mud volcanoes.

### \*\*\*\* A Saw-Proof Bar.

Perry D. Zeigler has invented a bar which cannot be sawed or cut through, for use in connection with prison-cells, windows or doors, and safety-vaults.

In carrying out his invention he takes a metallic bar of any suitable material, preferably iron or steel, and in the bar adjacent to its corners he provides longitudinal apertures. In the case of a round bar a numher of apertures adjacent to its periphery are provided. and, if desired, as an extra precaution one or more holes may be present. The bar having been formed as described, molten glass or the like is poured into the apertures. After this has cooled, the inventor claims it would be impossible to saw through the bar, for the reason that the saw would not cut the glass, and only

a partial fracture of the bar could be obtained.

### ... Breaking of Staybolts.

Stavbolts break more frequently in bad-water districts than in those districts where the water is freer from incrustating solids, says Mr. H. A. Fergusson, in a paper read before the Western Railway Club of America. This is not to be attributed to the action of the water on the bolts, but to the fact that such engines are washed out very much more frequently, with consequent vibration of the bolts each time. There is apparently no remedy for this, where water-purifying stations are absent, except a flexible staybolt, and while numbers of these have been designed and tried, there are none of them that will not become inflexible through the scale formations around hard movable parts. The best the bolt. therefore, is one which has greatest flexibility, the which cannot be affected and by scale.



THE GREAT ROTORUA GEYSER IN ERUPTION.

### RECENTLY PATENTED INVENTIONS. Of Interest to Farmers,

PRUNING-SHEARS .- C. F. CROSBY, Burlington, Vt. The object of this invention is to provide pruning-shears of simple, light, yet strong construction, having no parts liable to get out of order, and so arranged that there will be very little friction of the movable parts and with which a clean cross-cut may be made without drawing action, which would have a tendency to break the bark.

BEET-TOPPER .--- J. M. CARAWAY, LONSmont, Col. A distinguishing feature of the invention is the provision of an endless horizontal traveling belt provided with a springcoil for holding the beets while being topped, and an oscillating knife or cutter, which is adapted to make a draw cut and is operated by the same means as the belt.

BINDER ATTACHMENT .-- A. M. DAVIS, Madison, Wis. The object in view of the inventor in the present improvement is to decrease the friction attending the formation of the gavel in a self-binding harvester of any sort and also to assist in separating the bundle from the unbound grain. The means adopted enable the binder to be run more readily than ordinarily.

PLANTER .- A. D. EZZELL, Clinton, N. C. By Mr. Ezzell's invention corn, cotton, peas, etc., may be conveniently planted in rows. and the quantity of seed planted is regulated by means of the slide in the charger or rocking dropper, and the distance apart of the hills planted may be regulated by the projections or pins on the wheel, as the pins may increased or decreased in number as de sired. The apparatus plants seeds forty-two, twenty-one and fourteen inches apart.

order of dates of the calendar-that is, day by day and month by month, the latter being summarized at the end of the year.

SASH-LOCK .- J. NOSEWORTHY, St. .lohns, Newfoundland. The object in view in this case is the provision of a construction adapted for application to the opposing faces of the meeting sash-rails, so as to be concealed when sashes are closed and locked. The sashes automatically lock when closed. The lock is provided with a detachable operating device adapted to release the lock when it is desired to open the sash, the device when detached preventing access to the lock. so that it cannot be released by evil-disposed persons.

PIPE-STAND .- B. C. NEWLOVE, Walsenburg, Col. The special purpose in this instance is to provide means for supporting the outer end of a pipe while work is being done on the inner or opposite end. Such means to be practically effective must be stable, admit of easily shifting of the pipe in longitudinal directions, and of easy adjustment with respect to height at which the pipe is held. These requirements are answered in the structure. which consists in a base, a column, the length of which may be adjusted at will, and in a head, on which the pipe is supported to move freely longitudinally, these parts having spe cial structure.

FASTENING DEVICE .- P. MORRISON, Chattaneega, Tenn. The invention relates to knockdown furniture, and its object is to provide for fastening two parts or members of furniture, crates, packing boxes, and other articles together without the use of screws. nails, or similar fastening means, the device being serviceable as a support for shelves and

massage machine. The inventors provide a device for use by barbers, physicians, nurses, and others who desire to secure a vibra-stimu lation or massage treatment, also for special use on the face, scalp or other portions of the body. In the practice it is found the machine runs smoothly and quietly, and is pleasant and beneficial in its effects upon a patient.

LUMBER-DRYING KILN .- C. H. HALL Jacksonville, N. C. The invention has refer ence more especially to kilns for the drying of lumber, though well adapted to the drying of other materials. One of the principal objects thereof is to overcome numerous disadvantages and objections common to many other structures hitherto devised for similar purposes and to simplify and cheapen the cost of construction of the kiln, as well as to lessen the labor of management or control of the operations thereof.

### Household Utilities,

COOKING DEVICE .-- C. C. OVERTON, New York, N. Y. In this patent the invention pertains to an improved device for cooking meats fish, and the like, in the oven of a stove, and at the same time imparting thereto the peculiarly delicate flavor of meats and fish cooked after what is commonly termed the "planking" process. FOLDING BED.-D. F. KING, Louisville,

Ky. The invention has reference to improvements in beds in which may be used a hinged bex-mattress, the final objects being to secure a hed which when folded will offer to view the minimum upright surface, one in which can be used the comfortable type of mattress known as the "box-mattress," and one readily converted, when folded, into a settee, giving no hint of the concealed bed. WINDOW-CLEANING CHAIR.-II. HARRI son, New York. N. Y. The purpose of the improvement is to provide a chair capable of being expeditiously and conveniently applied and fastened to windows of different widths and as conveniently removed. Another is to provide one which will constitute a safe and firm window-seat and which will guard the occupant at the back and sides, whether

is in the nature of a multiple vibrator and filling of casks and other vessels constructed of opaque materials.

### Machines and Mechanical Devices,

PROPELLING APPARATUS FOR AIR-SHIPS.—A. V. WINEGARDEN, Leon, Kan. Broadly stated, the invention is embedied in two series of endless chains or bands that are spaced apart and travel on sprocket-wheels or pulleys arranged in a rigid frame and a series of sails or flexible sheets which are so coll nected with the said chains or equivalent that when traveling in one direction they are expanded and stretched, so as to act upon the air with greatest effect, and when moving in the reverse direction they collapse and practically feather, so as to offer minimum resistance to progress

CIGAR-MAKER'S MACHINE .- E. WIN-TERER, New York, N. Y. It is a common practice for cigar-makers to thrust the head end of a cigar-bunch into the mouth to shape the bunch and to extract one or more pieces of tobacco filler with the teeth, and common to use gum or paste, flavored as with licorice, in order to make the "flag" of the wrapper adhere to the head in finishing the cigar. The inventor seeks to overcome unsanitary and contaminating objections by the provision of a simple machine which carries on the manufacture free from objections, lessens labor, facilitates work, and increases the output.

MACHINE FOR MAKING PIANO-IIAM-MERS .- E. T. WOLF, New York, N. Y. By this invention Mr. Wolf is able not only to reduce the cost of making hammers, but he produces

#### Of General Interest.

PLATEN PRINTING-PRESS .- R. R. WILL-IAMS, Marshfield, Wis. To obtain a perfect impression in platen-presses, the platen often requires to be adjusted higher or lower. corresponding to slight variations in the height of the type-form. Such adjustment is usually effected by several jack-screws, which operation tion requires much time, and it is also difficult to secure a perfect adjustment or one in which the platen will be perfectly parallel to the type-form. The adjustment can be made quickly and easily and with perfect accuracy.

ORDER AND RECORD FILE. H. J. RIES. lowa City, lowa. In this patent the object of the invention is the provision of an im spline. proved means for recording and preserving MASSAGE APPARATUS.—J. U. JONES and externally of the vessel, so that the invention the tool carried by the press-head encounters orders and expense and other accounts in G. JONES, Chattanooga, Tenn. This apparatus is of special utility in connection with the

the like.

SCHOOL-LOOM .- BEATRICE E. LINDBERG, Faribault, Minn. In this case the invention relates to a device for teaching children the art of weaving and for enabling them to produce small woven articles. The improvement lies in an attachment which enables hammocks to be woven. The loom with the said attachment is particularly adapted to kindergarten purposes for weaving dolls' hammocks; but is adapted to hammocks of a large size. SPLINE-WEIGHT .- F. K. LORD, Bayonne N. J. The invention has reference to drawing instruments; and its object is to provide spline-weight arranged to firmly hold the spline or batten in a curved position at any desired place on the drawing-surface to allow the draftsman to conveniently draw a line along the unobstructed front edge of the

sitting or standing. FUNNEL .--- W. E. BURGESS, Dan-y-graig. Aberbeeg, England. The invention of Mr. Burgess relates to an improved funnel for filling vessels with liquid, and has for its idle descent of the presshead onto its work object to provide means whereby during the may be effected quickly and by gravity alone filling operation the level of the liquid may and whereby the power of the pumps is caused be ascertained, the said level being exhibited to come into action automatically immediately

hammers of a superior grade, the same being characterized by an improved pointed shape given to the striking-face formed by the condensed fibers of the felt covering at the end of the molding. He is also able to make all sets of hammers alike and uniform with respect to bardness and evenness of the felt by having an accurate gage of the amount of pressure applied.

Prime Movers and Their Accessories.

HYDRAULIC PRESS .- E. CROWE, Birchhelm. Sheffield, England. The invention has for its object to effect economy of time and power. and so increase the speed of working and the efficiency of the press. This end is attained mainly by the provision of means whereby the

WATER-MOTOR .- M. H. WHITE, Everett, Wash. This apparatus comprises a casing open at each end and having a flat base on which it may rest in upright position on the bed of a stream, so that the water flows through the casing. Placed longitudinally in m the casing is a peculiarly-constructed screw, the plates of which are acted on by the current, whereby a rotary movement is imparted, and said movement is utilized for operating the pumps attached to the casing and by which the water is elevated. It is particularly useful for elevating water used for irrigating purposes.

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.

# Business and Personal Wants.

READ THIS COLUMN CAREFULLY, -You will find inquiries for certain classes of articles numbered in consecutive order. If you manufacture these goods write us at once and we will measure the e.m.f., and an anneter will give send you the name and address of the party desiring themformation. In every case it is necessary to give the number of the inquiry. MUNN & CO.

Marine Iron Works. Chicago, Catalogue free.

Inquiry No. 5777.-For a manufacturer to make a putaticies a very light metal article of tempered or oring steel

AUTOS .- Duryea Power Co., Reading, Pa.

Inquiry No. 5778.—For manufacturers of cheap lockets, etc.

For logging engines. J. S. Mundy, Newark, N. J. Inquiry No. 5779.-For the address of the United liberty of asking the following questions: Sup-States Cotton Duck Corporation, of Baltimore.

pose a train traveling at the rate of a mile per "U.S." Metal Polish. Indianapolis. Samples free.

Inquiry No. 5780.-For manufacturers of cotton duck or sail-cloth.

Perforated Metals, Harrington & King Perforating ball reach a given point in advance of the Co., Chicago.

Inquiry No. 5781. For manufacturers of tatto - ing machines, stantes and supplies.

METAL PATTERNS. For small eastings. Fred Smith, Soringdale Conn.

Inquiry No. 5783.-For dealers in novelties, rub-ber gas balloons, canes, toy whips, etc. Handle & Spoke Mchy. Ober Mfg. Co., 10 Bell St.,

Chagrin Falls, O. Inquiry No. 5783. For manufacturers of pur drainers.

If it is a paper tube we can supply it. Textile Tube gun did not exist. Newton's law is "A given

company, Fall River, Mass. force will produce the same effect, whether it Inquiry No. 5784.—For parties to manufacture acts alone or with other forces." If the ball were discharged in the

Sawmill machinery and outfits manufactured by the of the train, the ball would go forward with Lane Mfg. Co., Box 13, Montpelier, Vt.

Inquiry No. 5785.-For manufacturers of machinery by which garbage and street sweepings are converted into fuel.

WANTED .- Exclusive sale improved automobile specialties. Specialties, Box 773. New York.

Inquiry No. 5786.-For manufacturers of dies of different shapes for a press for making ornaments and flowers of sheet metal.

FOR SALE,-The Benson metal window screen frame. For cash, royalty or territorial rights. S. W. Benson, 1015 14th Street, Denver, Colo.

Inquiry No. 5787.-For manufacturers of con-crete mixing machines. The celebrated "Hornsby Akroyd" Patent Safety Oil column: Can the coils and instruments neces-

Engine is built by the De La Vergne Machine Company. Foot of East 138th Street, New York.

Any metal, sheet, band, red, bar, wire; cut, bent, of SCIENTIFIC AMERICAN of April 30, be made crimped, bunched, stamped, shaped, embossed, letter- by an amateur; if so, where could I get the of Disc made Mouth Stamping Ca Nicours Falls N.V. ed. Dies made. Metal Stamping Co., Niagara Falls, N. Y. necessary information? A. Any person with Inquiry No. 5789.-For makers of novelties and domestic apphances.

ing, screw machine work, hardware specialties, machinery and tools. Quadriga Manufacturing Company, 18 South Canal Street, Chicago.

Inquiry No. 5790.-For makers of windmills, prehend failure to make it do its work well. The necessary information is given in the

aluminum construction placed on market. Write to for making an induction coil are given in American Brass Foundry Co., Hyde Park, Mass. Norrie's "Induction Coils," price \$1. It will

and Queries.

References to former articles or answers should give date of paper and page or number of question.

ante of paper and page or number of question, requiries not answered in reasonable time should be repeated; correspondents will bear in mind that some answers require not a little research, and, though we endeavor to reply to all either by letter or in this department, each must take bis turen

yers wishing to purchase any article not adver-tised in our columns will be furnished with addresses of houses manufacturing or carrying the same.

Gial Written Information on matters of personal rather than general interest cannot be expected without remuneration.

Scientific American Supplements referred to may be had at the office. Price 10 cents each.

Books referred to promptly supplied on receipt of

Minerals sent for examination should be distinctly marked or labeled,

(9432) W. K. F. says. Will you

kindly answer me in the Notes and Querles of the Sedentific American, the following questions; (a) Which would be better to

measure the capacity of a 5x7 Crowfoot battery? (b) What should it register? (c) How can any deficiency to register the proper

freshly set up, and is an old cell may be less

than a volt. The anneres depend upon the external resistance, the distance between the

zine and the copper, the strength of the solution, and other things. If a cell is run down, the clear liquid at the top should be siphoned

off, and water should be added to bring the

reader of your valuable paper, I take the

minute carries a gun which sends a ball with

the same velocity as the train. What would be the result? In other words, would the

were discharged in the opposite direction? A. As a constant reader of the Selentific

AMERICAN you should have seen the problem

of the gun fired on a moving train discussed

several times in recent years. You will find it in Queries 8823, 8862, and 9270. The prin

ciple is simple. The gan will do the same to

the ball as if the train did not exist. The train will do the same to the ball as if the

two motions, that of the train and that of the

gun. It would thus go ahead of the train a mile a minute. If shot in the opposite direction, the train would carry the ball forward

and the gun carry it backward at the same

time, a mile a minute. The ball would therefore drop directly from the mouth of the gun to the ground. It is the same with throwing

backward if you want it to drop to the ground.

sary to produce the Hertzian waves for a

wireless telegraph transmitter, to be used with

(9434) R. R. asks: Please answer the following question in Notes and Queries

Throw it

package from a moving train.

What would be the result if the gun

(9433) W. C. asks: Being a constant

liquid up over the zine.

train?

Notes

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letter or bis turn.

Bale of package of Lowes partrial, P. 8. Totage 1999 Action in the second state of th

۰.	hore	764 995
i I	Exercising annaratus, G. D. Shultz	764.687
	Explosive engine, G. F. Murphy	764,614
	Eyelet setting machine, etc., E. B. Stimp-	
1	Son	764,962
3	Fare register operating mechanism, w. 1.	764 758
1	Faucet, self-closing, J. C. Norris	764.620
4	Feed mechanism, automatic, G. F.	,
1	Hutchins	764,851
	Feeder, automatically regulated steam	
١İ	boiler, E. L. del Castillo	764,988
1	H Sweet	765 154
	Felly, wheel, J. W. Bettendorf	764,549
ų	Fencing tool, J. F. Moore	765,031
	Fertilizer distributer, A. J. Graves	764,805
	Fibrous matter, nitrating, J. Selwig	764,776
í	File, document, J. H. Van Hoth	764 618
H	Filing cabinet, T. P. Delan	764,930
١	Fire curtain, Haid & Bissett	764,582
1	Fire extinguisher, W. R. Pierce	764,763
Ľ	Fire extinguisher, automatic, H. W. Martin	764,743
	Fires, preventing, N. Sulzberger.	764.964
1	Fireproof construction, J. B. Hinchman	765,009
1	Fireproof skeleton flooring, H. G. V. Ry-	
i	dahl	764,772
1	Fireproof window releasing device, A. W.	764 918
1	Float, F. & F. H. Englehard	764.933
1	Fleer furnace, W. R. Kleeb	765,143
	Floor, parquetry, C. M. Krebs 764,948,	764,949
	Fluid fuel burner, G. Moork	764,860
	Fruit serter J B Crum	764 919
1	Fuel. artificial. F. J. Bulask	764,986
ł	Fuel feeding apparatus, G. L. Swift	764,693
	Furnace. See Floor furnace.	704 555
ł	Furnace, R. D. McManigal	164,755
	Furnace casing, 1. J. March	(\$1,00)
	W. M. Johnson	764,592
	Gage, C. W. Chafee	764,794
	Gage hand, F. C. Randall	764,631
1	Galvanic battery, C. B. Schoenmehl,	784 997
	Garmant halder T Murahy	764 751
T	Gas from petroleum oil, etc., apparatus for	
1	producing combustible, C. A. Kuenzel.	764,601
1	Gas generator, acetylene, Eichler & Becker	765,071
	Gas generator pressure regulator, acetylene,	704 710
1	Gate A V Frv	765.052
	Gear. changeable speed. R. C. Killam	765.141
1	Gear, transmission, O. O. Turru	764,573
	Orean true arread O Mr. Williams	764 669
	Gear, two speed, S. M. wixcel	704,000
4	Gearing, H. P. Maxim	764,896
	Gearing, H. P. Maxim Gearing, variable speed transmission, H. L. F. Trebert	764,896
	Gearing, H. P. Maxim Gearing, variable speed transmission, H. L. F. Trebert Girder, metal and concrete, R. A. Cum-	764,896 764,644
	Gearing, H. P. Maxim Gearing, variable speed transmission, H. L. F. Trebert Girder, metal and concrete, R. A. Cum- mings	764,896 764,644 764,884
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	<ul> <li>Gearing, H. P. Maxim.</li> <li>Gearing, variable speed transmission, H. L. F. Trebert.</li> <li>Girder, metal and concrete, R. A. Cummings.</li> <li>Glass finishing apparatus, F. Woodruff</li> <li>Glass, metallified, A. Diat dit Diaz</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst.</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grain feed governor, J. E. Bousser.</li> <li>Grindine ar adjubing machine M. Setter</li> </ul>	764,856 764,644 764,844 765,119 764,651 764,651 764,661 764,671 764,686 764,686
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	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass, metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading er separating system, pneumatic,</li> <li>W. S. Osborne</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding er polishing machine, M. Setter.</li> <li>Grinding er polishing machine, M. Setter.</li> <li>Gripping device, P. E. &amp; P. B. Shee.</li> <li>Hammer, power, C. Leenhardt.</li> </ul>	764,856 764,644 764,644 765,119 764,951 764,661 764,661 764,661 764,661 764,661 764,665 765,065 765,046 765,046 765,040
	<ul> <li>Gearing, H. P. Maxim.</li> <li>Gearing, variable speed transmission, H. L. F. Trebert.</li> <li>Girder, metal and concrete, R. A. Cummings.</li> <li>Glass finishing apparatus, F. Woodruff</li> <li>Glass, metallified, A. Diat dit Diaz</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst.</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or poissing machine, M. Setter</li> <li>Gringing device, P. E. &amp; P. B. Shee</li> <li>Hanmer, power, C. Leenhardt</li> <li>Handle, E. Burns.</li> </ul>	764,856 764,644 764,884 765,119 764,851 764,651 764,661 764,671 764,671 764,661 764,686 765,105 765,946 765,920 765,920
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Grading, variable speed transmission, H. C. F. Trebert</li> <li>Glass finishing apparatus, F. Woodruff</li> <li>Glass metallihed, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Gridiron, J. F. Shifferd</li> <li>Gridiron, J. F. Shifferd</li> <li>Griging device, P. E. &amp; P. B. Shee</li> <li>Hanmer, power, C. Leenhardt.</li> <li>Hande, E. Burns</li> <li>Hartoyter heet, I. C. Leenh</li> </ul>	764,856 764,644 764,884 764,884 764,851 764,661 764,661 764,671 764,675 764,686 765,105 765,046 765,125 765,021 765,021 765,021
	Gearing, H. P. Maxim Gearing, Variable speed transmission, H. L. F. Trebert Girder, metal and concrete, R. A. Cum- mings Glass, metallified, A. Diat dit Diaz. Governer, steam engine, Eberhardt & Wegherst Grading or separating system, pneumatic, W. S. Osborne Grain feed governer, J. E. Bousser. Grinding or poishing machine, M. Setter. Grinding or poishing machine, M. Setter. Gripping device, P. E. & P. B. Shee Hammer, power, C. Leenhardt. Harrow, C. Lindquist Harvester, beet, I. C. Lesh. Hat paring machine, C. I. Sterling.	764,856 764,644 764,884 765,119 764,651 764,661 764,661 764,661 764,661 765,105 765,046 765,046 765,046 765,046 765,045 765,051
	<ul> <li>Gearing, H. P. Maxim.</li> <li>Gearing, variable speed transmission, H. L. F. Trebert.</li> <li>Girder, metal and concrete, R. A. Cummings.</li> <li>Glass finishing apparatus, F. Woodruff</li> <li>Glass metallified, A. Diat dit Diaz</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst</li> <li>Wegberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grinding or polishing machine, M. Setter</li> <li>Grinding or polishing machine, M. Setter</li> <li>Grinding or polishing machine, M. Setter</li> <li>Hammer, power, C. Lesh</li> <li>Hat paring machine, C. I. Sterling</li> <li>Head rest, A. B. Chak</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,651 764,661 764,671 764,671 765,105 765,105 765,046 765,046 765,020 765,021 765,051 765,051 764,710
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grain feed governor, J. E. Bousser.</li> <li>Griding or polishing machine, M. Setter.</li> <li>Griding device, P. E. &amp; P. B. Shee</li> <li>Hanmer, power, C. Leonhardt.</li> <li>Harde, E. Burns</li> <li>Harrow, C. Lindquist</li> <li>Hat paring machine, C. I. Sterling</li> <li>Heat rest, A. B. Cinak</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,661 764,661 764,661 765,105 765,046 765,020 765,020 765,021 765,051 765,051 765,051 764,710
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, Variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic,</li> <li>W. S. Osborne.</li> <li>Grain feed governor, J. E. Bousser.</li> <li>Grinding or poishing machine, M. Setter.</li> <li>Grinding or poishing machine, M. Setter.</li> <li>Grinding or poishing machine, M. Setter.</li> <li>Harnow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Hat paring machine, C. I. Sterling.</li> <li>Heat rest, A. B. Cinhak</li> <li>Heat when the full fuel, apparatus for production of, G. Gordejeff</li> </ul>	764,856 764,644 764,884 764,884 764,851 764,651 764,661 764,661 764,671 764,686 765,125 765,046 765,020 765,020 765,021 765,051 765,051 764,710 764,718 764,477
	<ul> <li>Gearing, H. P. Maxim.</li> <li>Gearing, variable speed transmission, H. L. F. Trebert.</li> <li>Girder, metal and concrete, R. A. Cummings.</li> <li>Glass, metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grinding or polishing machine, M. Setter</li> <li>Grinding or polishing machine, M. Setter</li> <li>Grinding or polishing machine, C. I. Sterling</li> <li>Harvester, beet, I. C. Lesh</li> <li>Hat paring machine, C. I. Sterling</li> <li>Head rest, A. B. Chink</li> <li>Head rest, A. G. Chay</li> <li>Head rest, A. G. Chay</li> <li>Heat or burning liquid fuel, apparatus for polishing fueling.</li> <li>Head rest, A. B. Chink</li> <li>Head rest, A. G. Kaufman</li> <li>Heater, A. G. Kaufman</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,661 764,671 764,671 765,105 765,105 765,046 765,020 765,020 765,021 765,051 764,710 764,718 764,947
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass, metallified, A. Diat dit Diaz</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grinding or polishing machine, M. Setter</li> <li>Gringing device, P. E. &amp; P. B. Shee</li> <li>Hammer, power, C. Leenhardt</li> <li>Hardner, Dever, J. C. Lesh</li> <li>Har paring machine, C. I. Sterling</li> <li>Heat rest, A. B. Cihak</li> <li>Heat by burning liquid fuel, apparatus for production of, G. Gordjeff</li> <li>Heater, A. G. Kaufman</li> <li>Heater for attachment to oil or gas burn-ers, W. L. Hallett</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,661 764,661 764,661 764,661 765,105 765,046 765,046 765,020 765,020 765,020 765,020 765,020 765,051 764,710 764,710 764,718 764,947 764,843
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding or sejarating machine, M. Setter.</li> <li>Grinding or seishing machine, M. Setter.</li> <li>Gringing device, P. E. &amp; P. B. Shee.</li> <li>Hammer, power, C. Leenhardt.</li> <li>Harrow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Hartow, C. Lindquist</li> <li>Heat rest, A. B. Chaka</li> <li>Heat rest, A. B. Chaka</li> <li>Heater for attachment to eil or gas burners, W. L. Hallett</li> <li>Heating or cosking utensil, R. Grove.</li> </ul>	764,856 764,644 764,884 765,119 764,651 764,651 764,651 764,651 765,105 765,105 765,105 765,046 765,125 765,045 765,021 765,051 765,051 764,710 764,718 764,747 764,843 764,854
	<ul> <li>Gearing, H. P. Maxim.</li> <li>Gearing, variable speed transmission, H. L. F. Trebert.</li> <li>Girder, metal and concrete, R. A. Cummings.</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grinding or separating system, pneumatic, Grinding or separating control of the system.</li> <li>Grinding or separating system.</li> <li>Grading or separating system.</li> <li>Grinding or separating system.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Harnow, C. Lindquist.</li> <li>Hartow, C. Lindquist.</li> <li>Head rest, A. B. Clinak.</li> <li>Head rest, A. G. Kaufman</li> <li>Heater, A. G. Kaufman</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett.</li> <li>Heating crossing utensil, R. Grove.</li> <li>Heating system, hot water, C. C. Lengard</li> </ul>	764,856 764,644 764,884 764,651 764,651 764,661 764,671 764,675 765,105 765,105 765,920 765,920 765,920 765,920 765,920 765,9551 764,718 764,718 764,843 764,853 764,551
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass, metallified, A. Diat dit Diaz</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grinding or poisphing machine, M. Setter</li> <li>Harnow, C. Lindquist</li> <li>Hartow, C. Lindquist</li> <li>Hat paring machine, G. I. Sterling</li> <li>Head rest, A. B. Cihak</li> <li>Heat by burning liquid fuel, apparatus for production of, G. Gordejeff</li> <li>Heater, A. G. Kaufman</li> <li>Heater for attachment to oil or gas burners, W. L. Haltett</li> <li>Heating or cocking utensil, R. Grove</li> <li>Heating or cocking utensil, R. Grove</li> <li>Heating system, hot water, C. L. Lengard</li> <li>Heet compressing machine model or die, B. F. Mayo</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,661 764,661 764,671 764,661 765,125 765,125 765,221 765,920 765,920 765,921 765,920 765,921 764,718 764,718 764,581 764,610 764,668
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic,</li> <li>W. S. Osborne</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding or poishing machine, M. Setter.</li> <li>Harnow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Hat paring machine, C. I. Sterling.</li> <li>Heat rest, A. B. Cinak</li> <li>Heat rest, A. B. Cinak</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett</li> <li>Heating system, hot water, C. C. Longard</li> <li>Heating system, may and the of die, B. F. Mayo</li> </ul>	764,856 764,644 764,884 764,851 764,651 764,661 764,671 764,776 765,125 765,125 765,046 765,125 765,045 765,020 765,021 765,051 764,710 764,718 764,551 764,551 764,551 764,551 764,668
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grinding or separating construction of the system of th</li></ul>	764,856 764,644 764,884 765,115 764,651 764,651 764,661 764,671 764,656 765,105 765,105 765,920 765,125 765,920 765,920 765,921 765,920 765,921 765,951 764,718 764,843 764,581 764,648 764,658 764,658
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass, metallified, A. Diat dit Diaz</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grinding or poisbing machine, M. Setter</li> <li>Grinding or poisbing machine, M. Setter</li> <li>Grinding or poisbing machine, M. Setter</li> <li>Grinding or poisbing machine, M. Setter</li> <li>Harnow, C. Lindquist</li> <li>Hartow, C. Lindquist</li> <li>Heat pay burning liquid fuel, apparatus for production of, G. Gordejeff</li> <li>Heater, A. G. Kaufman</li> <li>Heater, A. G. Kaufman</li> <li>Heater or cocking utensil, R. Grove</li> <li>Heating or cocking utensil, R. Grove</li> <li>Heating or cocking machine mold or die, E. Mayo</li> <li>C. L. Whiting</li> <li>Heel compressing machine mold or die, C. W. Mayon</li> <li>Heater, C. S. Van Wagener</li> <li>Hinge, C. S. Van Wagener</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,651 764,661 764,671 764,661 764,671 765,125 765,125 765,646 765,620 765,620 765,621 765,621 765,651 764,718 764,718 764,581 764,581 764,668 764,668 764,668 764,668
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding or sejarating system, pneumatic,</li> <li>W. S. Osborne</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding or solishing machine, M. Setter.</li> <li>Grinding or solishing machine, M. Setter.</li> <li>Gringing device, P. E. &amp; P. B. Shee.</li> <li>Hammer, power, C. Leenhardt.</li> <li>Hartow, C. Lindquist</li> <li>Hartow, C. Lindquist</li> <li>Hat paring machine, C. I. Sterling.</li> <li>Heat rest, A. B. Cinkak</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett</li> <li>Heating system, hot water, C. C. Longard</li> <li>Heating system, mathem mold or die, B. F. Mayo</li> <li>Heel compressing machine mold or die, C. L. Whiting</li> <li>B. F. Mayo</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> </ul>	764,856 764,644 764,884 764,884 764,951 764,661 764,661 764,7765 765,125 765,046 765,125 765,045 765,020 765,020 765,021 765,051 764,710 764,718 764,581 764,581 764,658 764,658 764,658
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grinding or separating system, friend</li> <li>Grinding or separating control of the system of the system.</li> <li>Grinding or separating system.</li> <li>Grinding or separating system.</li> <li>Grinding or separating system.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Harnow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Hat paring machine, C. I. Sterling.</li> <li>Head rest, A. B. Clinak</li> <li>Heat by burning liquid fuel, apparatus for production of, G. Gordejeff</li> <li>Heating system, hot water, C. C. Lengard Heel compressing machine mold or die, B. F. Mayo</li> <li>Heel compressing machine mold or die, C. L. Whiting</li> <li>Hinge pintle retainer, G. A. Stark.</li> <li>Hinge sintle retainer, G. A. Stark.</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,651 764,651 764,656 765,165 765,165 765,920 765,125 765,920 765,920 765,920 765,921 765,920 765,951 764,718 764,843 764,843 764,858 764,658 764,853 764,785 764,785 764,785 764,785 764,785 764,785 764,785 764,785
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grinding or polishing machine, M. Setter</li> <li>Grinding or polishing machine, M. Setter</li> <li>Grinding or polishing machine, M. Setter</li> <li>Gringing device, P. E. &amp; P. B. Shee</li> <li>Hannow, C. Lindquist</li> <li>Harveyter, beet, I. C. Lesh</li> <li>Hat paring machine, G. I. Sterling</li> <li>Head rest, A. B. Cihak</li> <li>Heat by burning liquid fuel, apparatus for production of, G. Gordejeff</li> <li>Heater, A. G. Kaufman</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett</li> <li>Heating system, hot water, C. C. Longard</li> <li>Heel compressing machine mold or die, B. F. Mayo</li> <li>C. L. Whiting</li> <li>Hinge, sheet metal, C. S. Van Wagener</li> <li>Hinge, sheet metal, C. S. Van Wagener</li> <li>Hinge, sheet metal, C. S. Van Wagener</li> <li>Hobit, safety, M. A. Davis</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,661 764,671 764,671 765,105 765,105 765,646 765,620 765,125 765,621 765,651 764,718 764,718 764,547 764,883 764,688 764,688 764,688 764,688 764,688 764,688 764,715 764,715
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding or poishing machine, M. Setter.</li> <li>Grinding or poishing machine, M. Setter.</li> <li>Grinding or poishing machine, M. Setter.</li> <li>Gringing device, P. E. &amp; P. B. Shee.</li> <li>Hanner, power, C. Leenhardt.</li> <li>Harrow, C. Lindquist.</li> <li>Harvester, beet, I. C. Lesh.</li> <li>Hat paring machine, C. I. Sterling.</li> <li>Heat rest, A. B. Cinkak</li> <li>Heatring or cooking utensil, R. Greve</li> <li>Heating system, hot water, C. C. Longard</li> <li>Heating system, mathem mold or die, B. F. Mayo</li> <li>Heat c. S. Van Wagener</li> <li>Hinge, pintle retainer, G. A. Stark.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holden Safety, M. A. Davis</li> <li>Holding securely articles of unequal length</li> </ul>	764,856 764,644 764,884 765,119 764,651 764,651 764,651 764,656 765,125 765,046 765,125 765,045 765,020 765,020 765,021 765,051 764,710 764,718 764,581 764,581 764,658 764,658 764,658 764,658 764,715
	<ul> <li>Gearing, H. P. Maxim.</li> <li>Gearing, variable speed transmission, H. L. F. Trebert.</li> <li>Girder, metal and concrete, R. A. Cummings.</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grinding or separating ackine, M. S. Soborne</li> <li>Grain feed governor, J. E. Bousser.</li> <li>Grinding or separating system, Stetter.</li> <li>Grinding or separating control of the second system.</li> <li>Grain feed governor, J. E. Bousser.</li> <li>Grinding or sobising machine, M. Setter.</li> <li>Grinding or sobising machine, M. Setter.</li> <li>Harnow, C. Lindquist.</li> <li>Harrow, C. Lindquist.</li> <li>Heat rest, A. B. Cihak.</li> <li>Heat rest, A. G. Kaufman</li> <li>Heater, A. G. Kaufman</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett.</li> <li>Heating machine moid or die, B. F. Mayo.</li> <li>Heel compressing machine moid or die, B. F. Mayo.</li> <li>Heel compressing machine moid or die, B. F. Mayo.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Hinge, sheet metal, C. R. Var Wagener.</li> <li>Holder, safety, M. A. Davis</li> <li>Holding securely articles of unequal length and thickness, appliance for A. J. Dawson, et al.</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,651 764,661 764,671 764,675 765,125 765,046 765,125 765,046 765,125 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,021 764,686 764,686 764,681 764,581 764,581 764,583 764,714
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, Variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grain feed governor, J. E. Bousser.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Gringing device, P. E. &amp; P. B. Shee.</li> <li>Hammer, power, C. Leonhardt.</li> <li>Handle, E. Burns</li> <li>Harrow, C. Lindquist</li> <li>Hatroster, beet, I. C. Lesh.</li> <li>Heat paring machine, G. I. Sterling.</li> <li>Heat of policities for a statistic for the system, het water, C. C. Longard</li> <li>Heater, A. G. Kaufman</li> <li>Heater go cooking utensil, R. Grove.</li> <li>Heating system, het water, C. C. Longard</li> <li>Heel compressing machine mold or die, B. F. Mayo</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holding securely articles of unequal length and thickness, appliance for, A. J. Dawson, et al.</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,661 764,671 764,671 764,671 765,105 765,105 765,046 765,020 765,125 765,020 765,020 765,020 765,020 765,020 765,020 764,710 764,710 764,883 764,881 764,883 764,883 764,686 764,883 764,686 764,883 764,785 764,785 764,785 764,785 764,714
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding or sejanting system, pneumatic, W. S. Osborne</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding or solishing machine, M. Setter.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Gringing device, P. E. &amp; P. B. Shee.</li> <li>Harnow, C. Lindquist.</li> <li>Harrow, C. Lindquist.</li> <li>Hartow, C. Lindquist.</li> <li>Heat rest, A. B. Cinkak</li> <li>Heat rest, A. B. Cinkak</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett</li> <li>Heating system, hot water, C. C. Longard</li> <li>Heating system, mayon model or die, B. F. Mayo</li> <li>Heel compressing machine mold or die, B. F. Mayo</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holding securely articles of unequal length and thickness, appliance for, A. J. Dawson, et al.</li> </ul>	764,856 764,644 764,884 764,884 764,951 764,661 764,661 764,705 765,050 765,050 765,050 765,050 765,050 765,050 764,710 764,718 764,5051 764,5051 764,658 764,658 764,658 764,658 764,765 764,714 764,553 764,557 764,
	Gearing, H. P. Maxim Gearing, Variable speed transmission, H. L. F. Trebert Girading, variable speed transmission, H. L. F. Trebert Girading er separating system, pneumatic, Wegherst Grading er separating system, pneumatic, W. S. Osborne Wegherst Grading er separating system, pneumatic, W. S. Osborne Grading er separating system, pneumatic, W. S. Osborne Grading er separating system, pneumatic, W. S. Osborne Grading er separating system, pneumatic, W. S. Osborne Grinding er seishing machine, M. Setter. Grinding er seishing machine, M. Setter. Grinding er seishing machine, M. Setter. Hannbe, E. Burns Harrow, C. Lindquist Harvoster, beet, I. C. Lesh. Hat paring machine, C. I. Sterling Head rest, A. B. Cihak Heat by burning liquid fuel, apparatus for production of, G. Gordejeff Heater, A. G. Kaufman Heating croeking utensil, R. Grove Heating system, hot water, C. C. Longard Heel compressing machine mold or die, B. F. Mayo Heel compressing machine mold or die, B. F. Mayo Hinge, Subet metal, C. S. Van Wagener Hinge, subet metal, C. S. Van Wagener Hoisting bucket, G. P. Wern Holding securely articles of unequal length and thickness, appliance for, A. J. Daw- son, et al	764,856 764,644 764,884 765,115 764,651 764,651 764,661 764,671 764,671 764,686 765,125 765,046 765,125 765,046 765,125 765,020 764,581 764,581 764,581 764,583 764,563 764,563 764,567 764,570 764,57
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass, metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grinding or polymetric steam engine, Eberhardt &amp; Megberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grinding or polymetric steam engine, Eberhardt &amp; Megberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grinding or polymetric steam engine, Eberhardt &amp; Handle, J. F. Shifferd</li> <li>Grinding or polymetric steam engine, M. Setter.</li> <li>Grinding er polymetric steam engine, S. J. Sterne, Power, C. Leohardt.</li> <li>Hanner, power, C. Lesh.</li> <li>Harvester, beet, I. C. Lesh.</li> <li>Hat a paring machine, G. I. Sterling.</li> <li>Head rest, A. B. Chak</li> <li>Heat for attachment te oil or gas burners, W. L. Hallett</li> <li>Heater for attachment te oil or gas burners, W. L. Hallett</li> <li>Heating system, hot water, C. C. Longard Heel compressing machine mold or die, B. F. Mayo</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holding securely articles of unequal length and thickness, appliance for, A. J. Dawson, et al.</li> <li>Horseshee, compine, L. B. Colin</li> <li>Horse coupling, L. B. Colin</li> </ul>	764,856 764,644 764,884 764,884 765,115 764,661 764,671 764,671 764,671 764,671 765,105 765,046 765,020 765,125 765,020 765,020 765,020 765,020 765,020 765,020 765,020 764,710 764,710 764,883 764,883 764,883 764,868 764,868 764,868 764,863 764,715 764,714 764,563 764,563 764,567 764,876 764,876 764,876 764,881
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding or separating system, pneumatic,</li> <li>W. S. Osborne</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding, F. Shifferd</li> <li>Grinding, F. Shifferd</li> <li>Harnow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Hartow, C. Lindquist</li> <li>Hat paring machine, C. I. Sterling.</li> <li>Heat rest, A. B. Cinkak</li> <li>Heat rest, A. B. Cinkak</li> <li>Heat rest, A. B. Cinkak</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett</li> <li>Heating system, hot water, C. C. Lengard</li> <li>Heat rest, S. M. Water, C. S. Van Wagener</li> <li>Hinge, power, G. A. Stark.</li> <li>Hinge, sheet metal, C. S. Van Wagener</li> <li>Hinge, sheet metal, C. S. Van Wagener</li> <li>Holding securely articles of unequal length and thickness, appliance for A. J. Dawson, et al</li> <li>Horkeshoe, W. H. Lake</li> <li>Horkeshoe, C. enparatus, T. A. Barkes</li> <li>Horkeshoe, C. Gender, E. A. Stark.</li> <li>Hinge, c. S. Van Wagener</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holding securely articles of unequal length and thickness, appliance for, A. J. Dawson, et al</li> <li>Horkeshoe, composition, H. Bartley</li> <li>Horke coupling, F. Sticker.</li> <li>Horke coupling, F. Sticker.</li> </ul>	764,856 764,644 764,884 764,851 764,651 764,651 764,651 764,656 765,125 765,046 765,125 765,045 765,020 765,020 765,020 765,020 765,020 765,020 765,051 764,710 764,710 764,650 764,650 764,650 764,650 764,563 764,563 764,563 764,563 764,563 764,550 764,550 764,550 764,550 764,550 764,550 764,550 764,550 764,550 764,550 764,550 764,550 764,550 764,550 764,505
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grinding or separating context of the system of the sys</li></ul>	764,856 764,644 764,884 765,115 764,651 764,651 764,661 764,671 764,671 764,675 765,125 765,046 765,125 765,046 765,125 765,046 765,051 765,051 764,718 764,581 764,581 764,688 764,656 764,656 764,563 764,563 764,565 764,5557 764,5557 764,5557 764,5557 764,55577 764,5557776 764,5557776 764,5557776 764,5557776 764,5557776 764,5557776 764,5557776 764,5557776 764,5557776 764,5557776
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Gidar, metal and concrete, R. A. Cummings</li> <li>Glass, mishing apparatus, F. Woodruff.</li> <li>Glass, metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grinding or polishing machine, M. Setter.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Harnow, C. Lindquist</li> <li>Harvester, beet, I. C. Lesh.</li> <li>Hat paring machine, C. I. Sterling.</li> <li>Head rest, A. B. Chhak</li> <li>Heat paring machine, G. Gordejeff</li> <li>Heater, A. G. Kaufman</li> <li>Heater for attachment te oil or gas burners, W. L. Hallett</li> <li>Heating system, hot water, C. C. Longard</li> <li>Heel compressing machine mold or die, B. F. Mayo</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holding securely articles of unequal length and thickness, appliance for, A. J. Dawson, et al.</li> <li>Horsshoe, W. H. Lake</li> <li>Horseshoe, C. P. Sticker.</li> <li>How rabilation, H. Bartley.</li> <li>Her and thickness, appliance for, A. J. Dawson, et al.</li> <li>House ventilator, E. A. Tousley.</li> <li>Her and thickness, appliance for, A. J. Dawson, et al.</li> <li>House ventilator, E. A. Tousley.</li> <li>Her and thickness, appliance for, A. J. Dawson, et al.</li> <li>Her and thickness, appliance for, A. J. Dawson, et al.</li> <li>Her and thickness, appliance for, M. J. Dawson, et al.</li> <li>Her and thickness, appliance for, M. J. Dawson, et al.</li> <li>Her and thickness, appliance for, M. J. Dawson, et al.</li> <li>Her and thickness, appliance for, M. J. Dawson, et al.</li> <li>Her and thickness, appliance for, M. J.</li></ul>	764,856 764,644 764,884 764,884 764,651 764,661 764,661 764,671 764,705 765,046 765,046 765,051 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,051 764,710 764,718 764,881 764,883 764,868 764,868 764,868 764,868 764,868 764,563 764,567 764,56
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding er sejarating system, pneumatic,</li> <li>W. S. Osborne</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding or solishing machine, M. Setter.</li> <li>Grinding er solishing machine, M. Setter.</li> <li>Gringing device, P. E. &amp; P. B. Shee.</li> <li>Hammer, power, C. Leenhardt.</li> <li>Handle, E. Burns</li> <li>Harrow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Hart burning liquid fuel, apparatus for production of, G. Gordejeff</li> <li>Heat for attachment oil or gas burners, W. L. Hallett</li> <li>Heating system, hot water, C. C. Lengard</li> <li>Heat for attachment moid or die, B. F. Mayo</li> <li>Hinge, pintle retainer, G. A. Stark.</li> <li>Hinge, sheet metal, C. S. Van Wagener</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holding securely articles of unequal length and thickness, appliance for, A. J. Dawson, et al</li> <li>Horsshoe, Cemposition, H. Bartley.</li> <li>Horseshoein, G. P. Sticker</li> <li>Hot water and steam heating engine, W. Heeleckert</li> <li>Hub, vehicle, O. E. Jehnsten.</li> </ul>	764,856 764,644 764,884 764,884 764,951 764,661 764,651 764,686 765,125 765,046 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 764,710 764,688 764,583 764,688 764,688 764,688 764,563 764,563 764,550 764,85
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grinding or poishing machine, M. Setter.</li> <li>Grinding or poishing machine, M. Setter.</li> <li>Harnow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Hartow, C. Lindquist fuel, apparatus for production of, G. Gordejeff</li> <li>Heater, A. G. Kaufman</li> <li>Heating system, hot water, C. C. Longard</li> <li>Heat pointe realising machine moid or die, B. F. Mayo</li> <li>Heat compressing machine moid or die, B. F. Mayo</li> <li>Heat compressing machine moid or die, B. F. Mayo</li> <li>Heat compressing machine for altachment to eil er gas burn- ers, W. L. Hallett</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holder, safety, M. A. Davis</li> <li>Holdiding securely articles of unequal length and thickness, appliance for, A. J. Daw- son, et al</li> <li>Horseshee, compositien, H. Bartley.</li> <li>Horseshee, compositien, H. Bartley.</li> <li>Horseshee, C. B. Johnston.</li> <li>Hydrant, R. L. Polleck.</li> <li>Hydrantie metal, C. B. Johnston.</li> <li>Hydrantie metal, W. Powers.</li> </ul>	764, 856 764, 644 764, 884 764, 651 764, 651 764, 651 764, 661 764, 671 764, 671 764, 671 765, 105 765, 105 765, 105 765, 105 765, 105 765, 105 765, 105 765, 105 765, 105 765, 105 764, 718 764, 810 764, 810 764, 810 764, 810 764, 810 764, 810 764, 851 764, 850 764,
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Gidar, metal and concrete, R. A. Cummings</li> <li>Glass, finishing apparatus, F. Woodruff.</li> <li>Glass, metallified, A. Diat di Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegberst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grinding or pelsabiling machine, M. Setter.</li> <li>Grinding or polsabiling machine, M. Setter.</li> <li>Harnow, C. Lindquist</li> <li>Harvester, beet, I. C. Lesh.</li> <li>Hat paring machine, C. I. Sterling.</li> <li>Head rest, A. B. Clinak</li> <li>Heat paring machine, G. Gordejeff</li> <li>Heater, A. G. Kaufman</li> <li>Heatre, G. Gordejeff</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett</li> <li>Meel compressing machine mold or die, B. F. Mayo</li> <li>Hinge, Sheet metal, C. S. Van Wagener.</li> <li>Hoiter, safety, M. A. Davis</li> <li>Holding securely articles of unequal length and thickness, appliance for, A. J. Dawson, et al</li> <li>Horkert and steam heating engine, W. Heckert</li> <li>Heydrault motor, W. P. Powers.</li> <li>Hydrault motor, W. P. Powers.</li> </ul>	764, 856 764, 644 764, 854 764, 651 764, 651 764, 651 764, 651 764, 651 764, 651 764, 651 765, 105 765, 105 765, 105 765, 105 765, 105 765, 105 765, 105 764, 710 764, 551 764, 551 764, 551 764, 551 764, 551 764, 551 764, 551 764, 563 764, 576 764,
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding er sejarating system, pneumatic, W. S. Osborne.</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding er solshing machine, M. Setter.</li> <li>Gring device, P. E. &amp; P. B. Shee.</li> <li>Hammer, power, C. Leenhardt.</li> <li>Harrow, C. Lindquist.</li> <li>Harrow, C. Lindquist.</li> <li>Harrow, C. Lindquist.</li> <li>Heat rest, A. B. Cinkak</li> <li>Heat rest, A. B. Cinkak</li> <li>Heat rest, A. G. Kaufman</li> <li>Heat rest, A. G. Kaufman</li> <li>Heating system, hot water, C. C. Lengard</li> <li>Heat rest erainer, G. A. Stark.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holing securely articles of unequal length and thickness, appliance for A. J. Dawson, et al</li> <li>Horsshoe, C. emposition, H. Bartley.</li> <li>Horseshoeing apparatus, J. Alexander.</li> <li>Hose coupling, F. Sticker.</li> <li>Hub, vehicle, O. E. Jehnsten.</li> <li>Hydraulic metar, W. P. Powers.</li> <li>Hydraulic metare, Te wates or other purposition of the pressionen burner, R. Matheson.</li> <li>Hydraulic metar, W. P. Powers.</li> <li>Hydraulic metare, W. P. Powers.</li> <li>Hydraulic metare for boilers or other purposition of the pressionen burner, R. Matheson.</li> </ul>	764,856 764,644 764,884 764,884 764,851 764,661 764,651 764,651 764,656 765,125 765,046 765,125 765,045 765,020 765,020 765,020 765,021 765,051 764,710 764,718 764,551 764,658 764,658 764,658 764,658 764,658 764,553 764,553 764,553 764,553 764,555 764,855 764,714 764,555 764,714 764,555 764,715 764,715 764,715 764,715 764,715 764,715 764,715 764,855 764,715 764,855
	Gearing, H. P. Maxim Gearing, variable speed transmission, H. L. F. Trebert Girading, variable speed transmission, H. L. F. Trebert Girading er asparatus, F. Weedruff. Glass, metallined, A. Diat dit Diaz Governer, steam engine, Eberhardt & Wegherst Grading er separating system, pneumatic, W. S. Osborne Grinding er separating system, pneumatic, W. S. Osborne Grinding er seishing machine, M. Setter. Grinding er seishing machine, M. Setter. Grinding er seishing machine, M. Setter. Grinding er seishing machine, M. Setter. Hanmer, pewer, C. Leenhardt Harrew, C. Lindquist Harvoster, beet, I. C. Lesh. Harrew, C. Lindquist Harvoster, beet, J. C. Lesh. Heat py burning liquid fuel, apparatus for production of, G. Gordejeff Heater, A. G. Kaufman Heating or coeking utensil, R. Greve Heating system, het water, C. C. Longard Heel compressing machine mold er die, B. F. Maye Heel compressing machine mold er die, C. L. Whiting Hinge, sheet metal, C. S. Van Wagener. Hinge, sheet metal, C. S. Van Wagener. Hinge, sheet metal, C. S. Van Wagener. Hinge, sheet metal, C. S. Van Wagener. Holding securely articles of unequal length and thickness, appliance fer, A. J. Daw- son, et al Horseshee, compositien, H. Bartley Horseshee, compositien, H. Bartley Hothouse ventilator, E. A. Tousley Hothouse ventilator, E. A. Tousley Hothouse ventilator, E. A. Tousley Hothouse ventilator, E. A. Tousley Hothouse ventilator, E. A. Tousley Hydroachon burner, R. Matheson Hydrant, R. L. Pelleck Hydrautiem eter, Selexer eter pur- poses, I. Carl	764,856 764,644 764,884 765,115 764,651 764,651 764,661 764,671 764,671 765,020 764,718 764,883 764,883 764,856 764,856 764,856 764,856 764,856 764,850 764,85
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass, metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grinding or poissing machine, M. Setter.</li> <li>Grinding or poissing machine, C. I. Sterling.</li> <li>Hartow, C. Lindquist</li> <li>Harvester, beet, I. C. Lesh.</li> <li>Hat paring machine, C. I. Sterling.</li> <li>Head rest, A. B. Clinak</li> <li>Heat by burning liquid fuel, apparatus for poissing unachine mold or die, B. F. Mayo</li> <li>Heat rest, A. G. Kaufman</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett</li> <li>Heat gor cosking unachine mold or die, B. F. Mayo</li> <li>Hinge, Subert metal, C. S. Van Wagoner.</li> <li>Hinge, subert metal, C. S. Van Wagoner.</li> <li>Holder, safety, M. A. Davis</li> <li>Holding securely articles of unequal length and thickness, appliance for, A. J. Dawson, et al</li> <li>Horseshoe, W. H. Lake</li> <li>Horseshoe, W. Powers.</li> <li>Hydroarbon burner for boilers or o</li></ul>	764, 856 764, 644 764, 854 764, 951 764, 951 764, 951 764, 951 764, 951 764, 951 764, 951 764, 952 765, 105 765, 105 765, 105 765, 105 765, 105 765, 920 765, 920 765, 925 764, 710 764, 947 764, 853 764, 854 764, 853 764, 854 764, 853 764, 563 764, 564 764, 563 764, 576 764, 576 764, 764 764,
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading er separating system, pneumatic,</li> <li>W. S. Osborne.</li> <li>Grain feed governer, J. E. Bousser.</li> <li>Grinding er poishing machine, M. Setter.</li> <li>Hartow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Hartow, C. Lindquist</li> <li>Hartow, C. Lindquist</li> <li>Hartow, C. Lindquist, M. Govee.</li> <li>Heat by burning liquid fuel, apparatus for production of. G. Gordejeff</li> <li>Heat by burning liquid fuel, apparatus for production of. G. Gordejeff</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett</li> <li>Heater, C. S. Van Water, C. C. Longard Heel compressing machine moid or die, B. F. Mayo</li> <li>Hinge, pintle retainer, G. A. Stark.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holding securely articles of unequal length and thickness, appliance for, A. J. Dawson, et al</li> <li>Hose coupling, F. Sticker.</li> <li>Hot water and steam heating engine, W. Heelseck, C. D. Jahrston.</li> <li>Hydraulic motor, W. P. Powers.</li> <li>Hydraulic motor, W. P. Referson.</li> <li>Hydraulic motor, W. P. Bleck.</li> <li>Hydraulic motor, J. B.</li></ul>	764,896 764,644 764,884 764,641 764,951 764,951 764,661 764,671 764,765 765,125 765,046 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 764,710 764,688 764,688 764,688 764,688 764,688 764,550 764,714 764,550 764,505 764,805 764,905
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, variable speed transmission, H. L. F. Trebert</li> <li>Gidar, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grain feed governor, J. E. Bousser.</li> <li>Grinding or poishing machine, M. Setter.</li> <li>Harnow, C. Lindquist</li> <li>Harrow, C. Lindquist</li> <li>Harrow, C. Lindquist, J. Sterling.</li> <li>Heat est, A. B. Chak</li> <li>Hartow, C. Lindquist, J. Setter.</li> <li>Heat ere, A. G. Kaufman</li> <li>Heater for attachment to oil or gas burners, W. L. Hallett</li> <li>Heating system, hot water, C. C. Longard</li> <li>Heat ere, S. S. Mayo</li> <li>Heat compressing machine moid or die, B. F. Mayo</li> <li>Hinge, Subet metal, C. S. Van Wagener.</li> <li>Hinge, Subet metal, C. S. Van Wagener.</li> <li>Holder, safety, M. A. Davis</li> <li>Holding securely articles of unequal length and thickness, appliance for, A. J. Dawson, et al</li> <li>Horseshee, composition, H. Bartley.</li> <li>Horseshee, C. S. Johnston.</li> <li>Hydrocarbon burner, R. Matheson.</li> <li>Hydrocarbon burner, for boliers or other purposes, I. Carl</li> <li>Ican burner, F. P. Boussen.</li> <li>Hot water and steam heating engine, W. Hydrant, R. L. Polleck</li> <li>Hydrocarbon burner for boliers or other purposes, I. Carl</li> <li>Ican burner, T. J. Blagg.</li> <li>Invalutor, electrical, C. W. Jefferson.</li> <li>Inoning board, T. J. Blagg.</li> <li>Invalutor, mechanism wire lift needle, W.</li> </ul>	764,856 764,644 764,884 765,115 764,651 764,651 764,651 764,651 764,651 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 765,020 764,718 764,880 764,881 764,856 764,856 764,856 764,856 764,856 764,856 764,856 764,856 764,856 764,850 764,85
	<ul> <li>Gearing, H. P. Maxim</li> <li>Gearing, Variable speed transmission, H. L. F. Trebert</li> <li>Girder, metal and concrete, R. A. Cummings</li> <li>Glass finishing apparatus, F. Woodruff.</li> <li>Glass, metallified, A. Diat dit Diaz.</li> <li>Governer, steam engine, Eberhardt &amp; Wegherst</li> <li>Grading or separating system, pneumatic, W. S. Osborne</li> <li>Grading or separating system, pneumatic, Grinding or polishing machine, M. Setter.</li> <li>Grinding or polishing machine, M. Setter.</li> <li>Harnow, C. Lindquist</li> <li>Harvester, beet, I. C. Lesh.</li> <li>Hat paring machine, C. I. Sterling.</li> <li>Head rest, A. B. Clinak</li> <li>Heat by burning liquid fuel, apparatus for production of, G. Gordejeff</li> <li>Heater, A. G. Kaufman</li> <li>Heatre, G. C. Langard</li> <li>Heel compressing machine mold or die, B. F. Mayo</li> <li>Hinge, pintle retainer, G. A. Stark.</li> <li>Hinge, sheet metal, C. S. Van Wagener.</li> <li>Holder, safety, M. A. Davis</li> <li>Holding securely articles of unequal length</li> <li>Holdier, safety, M. A. Davis</li> <li>Holdier, safety, M. A. Davis</li> <li>Holding securely articles of unequal length</li> <li>Holdier, safety, M. A. Davis</li> <li>Holdier, safety, M. B. Celin</li> <li>Horseshoe, W. H. Lake</li> <li>Horseshoe, K. Hughes</li> <li>Horsenhoen burne</li></ul>	764, 856 764, 644 764, 856 764, 644 764, 851 764, 951 764, 951 764, 951 764, 951 764, 951 765, 105 765, 105 765, 105 765, 105 765, 920 765, 920 765, 925 764, 710 764, 710 764, 710 764, 710 764, 853 764, 851 764, 851 764, 868 764, 853 764, 868 764, 853 764, 563 764, 564 764, 563 764, 564 764, 563 764, 564 764, 764 764, 764 764, 764 764, 764 764, 764 764, 764 764, 764 764, 764 764,
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aluminum construction placed on market. Write to	for making an induction coll are given in	Crate, J. S. Horton	A. Landau	104,001
American Brass Foundry Co., Hyde Park, Mass.	Norrie's "Induction Coils," price \$1. If will	Cream_ separator, H. M. Louvie 765.	gi Kiln. See Brick kiln.	544 546
	be betten to buy a relay and sound ret	; Cuff, J. B. Boyle 705.	122 Alte parachute device, E. Moravek	. 764,749
Inquiry No. 5791F r machinery for making	be better to buy a relay and sounder than to	Curr holder, J. B. Boyle	Windo Windo	764 656
ordinary black powder, also for parties who build and	try to make one.	Curtain fixture, C. L. Hookins	Will Writting machine T. D. Deste	765 442
plan powder plants.	•	Curtain fixture, Vogel & Miller	Whitting machine, J. E. Kowe	764 647
Inquiry No. 5792For makers of sodium and	· · · · · · · · · · · · · · · · · · ·	Cuspidor, G. E. Jarreit	With Knitting machine take up mechanisms sur	· · • ±, • • ·
potassium silicates.		Chung device, C. F. Kannet	art for two cylinder D K Cormly	764 579
	INDEV OF INVENTIONS	i creases grip operated controlling meenan-	Whitting machine thread guide circular	101,010
Inquiry No. 3793For machines for turning in-	INDEA OF ENVENTIONS	1811 107 motor, C. O. Redstrom (55,	B W Gernly	764 578
sultor pins, etc., for telegraph and telephone pur-		Dain, Pomerero, W. L. Church	T Kneckdown hey T Luces	764 74
poses.		Dimper meetanism, time, G. K. Yohng $(5+)$	St. Lahel pretective scaling H T Witte	764 652
Inquiry No. 5794For a second-hand compass	For which Letters Patent of the	Denial matrix, S. E. KEOWIES	Lacing H White	764 874
and level.		Dental process, M. A. Sparks	x7 Lacing back C F Collins Jr	765.129
		$\mathbf{D}$ Detrick, point $\mathbf{D}$ with $\mathbf{C}$ Marst $\mathbf{M}$	Lama hulbs machine for making incan-	
Inquiry No. 3793For makers of the vacuum	Linited States were Issued	Desk, F. G. Mitelier destruction of the	descent electric H W Harper	764.844
colling	Cinted Diates were isbaed	Dischar double word SUD Disch 764	703 Lamp helder incandescent, W. H. Scott	764.829
cenng.	1	Display upvice, para, $\alpha$ , $D$ , $D$ , $D$ , $D$ , $T$ , $T$ , $T$ , $T$ , $T$	100 Lamp miner's G Anton	764.700
Inquiry No. 5796For makers of rotary fans	for the Week Ending	$\frac{1}{2} = \frac{1}{2} = \frac{1}$	736 Lama shade T Smith	765.107
driven by clockwork.	tor the week Linding	Diant equalized, A. D. Dawletce,	Lantern attachment J Eckert	764.565
		$M_0(2\pi mN) = 764$	56 Lanning machine R. J. Hill	764.589
Inquiry No. 3797For a convertible steam road		hussing rolling & Birtscall 764'	709 Last G. A. Krentler	764,894
rener, traction and pixed motor engines.	July 12, 1904	Dradena ato amountatia for landing mating	Lath metal, F. S. Chester	764,989
Inquiry No. 5798For a dump car for conveying		A Yar day Huspol	784 Janndry register, G. Wehner	764,648
and automitically spreading material.	AND PACH BEADING THAT DATE	Drier J D Bourdeau 764.	52 Leather dressing and preservative, water-	• •
• • •	AND EACH DEAKING INAI DAIE	Drving kill J F Hanrahan 764.	583 proof. A. Aagaard	764,971
lognicy No. 5799, -For complete portable rock ;	line i sta	Drving machine S A Cohen 764.	61 Legging, Callery & Settle	765,065
crushing and elevating outfits.	[Rec note at end of hat about copies of these patents.]	Driveway gate, S. M. Ash	74 Lemon squeezer. V. II. Gregory	765,005
Inquiry No. 5800 - For portable storage hins		Driving mechanism, L. Abraham	197 Lens, H. Harting	765,006
Inquity No. 0800,-For portable storage wins.	i	Driving mechanism, F. Miller	54 Level and grade finder. combined, E. Helb.	764,809
Inquiry No. 5801For a dirt-elevating machine	Addressing machine, W. Murphy 764,615	Dust trap and ventilator, F. E. Davis 764,	022   Lifting jack, M. C. Richards	764,677
with a plow and elevator for grading roads.	Addressing machine, J. S. Duncan 764,660	Dye and making same, black sulfur, R.	Line throwing apparatus, W. Schermuly	764,682
Inquiry No. 5809 -For a recordible steel read	Agitater, retary, J. Smith 764,870	Laueh	33 Liquid applying apparatus, I. W. Davis	764,796
machine for cutting down hanks and widening roads	Air brake, F. S. Sheffler 764,685	Dye and making same, direct cotion sulfur,	Liquid tanks, automatic device for dis-	
machine for cutting wown balls and widening foads.	Air brakes, device for automatically operat-	R. Lauch 764,	[34] charging, J. W. Alverd	764,699
Juguiry No. 5803 For the manufacturers of the	ing, T. H. Hillman 765,008	Dye, blue anthraquinone, W. Berchelmann., 764,	37 Decemetive beiler, J. M. McClellon	764,753
Thomson Houston electric rock drill.	'Air compressor, L. T. Pvott	Durping apparatus, D. Venter	966   Leem, J. U. Breeks	764,553