glasses? I often see objects in my glasses re flected from behind me, one very clear reflection and the other dim to the right of the right eye and to the left of the left eye. I have also noticed my own reflection in the same way in a looking glass when held close to the face, but not when held at a distance of a foot away. A. There are two surfaces of every Both of these surfaces reflect light from behind and to the side of the one wearing the glasses. If it is lighter in front than at the back, one does not notice these reflections and the images they form; but if it is dark in front and light behind the person, one can see the objects behind him. He may even see a double reflection of the same object, one from the front surface and the other from the back surface of the glass. One may easily amuse himself by experimenting in order to learn how much he may see in his glasses in this way.

(10376) S. A. H. asks: A friend makes the statement that a wagon wheel in motion moves faster at the top than at the bottom or portion on the ground. Is this the case? A. To answer the question, "Does the top of a wagon wheel move faster than the bottom?" it is necessary to define the word"move." When that is done it becomes evident that the question is very indefinite. A and management. This is especially true of rotating wheel moves with the same velocity in every part, as measured in degrees of the bearing on the accounting and management of circumference. If it did not it would break such corporations led to the writing of this in pieces. The wheel has another motion as a whole along the road. In this respect the ested in corporations in an administrative of wheel moves all together and therefore with executive capacity, and especially to the acthe same velocity. Still another motion is that countant. It includes books, forms, and meth of any point of the wheel with reference to a line on the ground. At one moment a point on the rim of the wheel is in contact with this line; it then rises till it is the entire diameter of the wheel above the line, and then descends till the point is again in contact with the ground. The wheel has meanwhile gone a distance equal to its circumference. The point has risen in a cycloid and moved down again in the same kind of curve. At any moment the woint of the rim which is coming down to the ground is also coming to rest as viewed from that point of the ground. It touches the ground for an instant and moves up again. Since it was descending and now is ascending it is evident that between the two it must have come to rest. Since it is at rest for the PE instant it is in contact with the earth, that point is a center of motion, the hub is moving with a certain rate and the rim at the top is moving twice as fast as the hub in a forward direction. Now the front point of the rim is moving vertically down and the rear point is moving vertically upward at the same moment. This is one of the perpetually recurring ques-We have answered it hundreds of We have published notes upon it many times. Among recent notes, see Notes and Queries in Vol. 92, Nos. 16, 20, 25; Vol. 93, No. 2, price 10 cents each.

(10377) W. L. S. writes: I notice your answer to queries, No. 10297, in issue of January 19, 1907, and also remember sub stantially the same answer to a question about a year ago-that water would not burst barrels in freezing if the barrels were open at one end. On the contrary, they will burst in very cold weather, as I know from experi For twenty-five years I was engaged in milling in southeast Missouri and for ten years had to get new barrels or repair the old ones every spring. At last I put in each barrel a piece of straight-grained wood about  $2 \times 2$ , with a hole % inch bored through it about half the distance from the bottom to top of barrel. This piece of wood was allowed to extend 3 or 4 inches above the barrel After putting in these pieces of wood our barrels would last, and hold water, for five or six years, and would freeze solid during the winter without injuring the barrels.

(10378) F. B. asks: How many pounds pressure would I get on a 12-inch pipe, running to a turbine with a tank of water holding one and one-half million gallons of water, with a ten-foot fall? How many horse-power would it give me? How many horse-power would I gain with every ten-foot fall through the same pipe? How many horse-power will it require to lift a six-inch stream of water 100 feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would have 41-3 large feet with the design feet would have 41-3 large feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would have 41-3 large feet with the large feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would have 41-3 large feet with the large feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would have 41-3 large feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would have 41-3 large feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would have 41-3 large feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would have 41-3 large feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would have 41-3 large feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would have 41-3 large feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would have 41-3 large feet with the best pump, and will it take twice as much power to lift a 12-inch stream the same height? A. You would large feet with the best pump, and will it take the same height? A. You would large feet with the best pump, and will it take the same height? A. You would large feet with the best pump and will it take the same height? A. You would large feet with the best pump and will it take the same hei

tracing cloth. A. 1. Boiled linseed oil (bleached), 10 pounds; lead shavings, 1/2 pound; zinc oxide, 21/2 pounds: Venetian turpentine, 1/4 pound. Boil for several hours, then strain, and dissolve in the strained composition 21/2 pounds white gum copal. Remove from the fire, and when partly cold, add oil of turpentine (purified), sufficient to bring it to proper consistence. Moisten the cloth thoroughly in benzole and give it a flowing coat of the var-2. Varnish the cloth with Canada bal sam dissolved in turpentine, to which may be added a few dreps of castor oil, but do not add too much, or it will not dry. Try a little piece first with a small quantity of varnish. The kind of cloth to use is fine linen: don't let the varnish be too thick,

## NEW BOOKS, ETC.

PUNCHES, DIES, AND TOOLS FOR MANUFAC TURING IN PRESSES. By Joseph V. Woodworth, M.E. New York: The Norman W. Henley Publishing Com-TURING IN PRESSES.

pany, 1907. 8vo.; pp. 483. Price, \$4 This book has been written and compiled lens or mirror of glass coated on its back, by a practical man for the use of all practical men who are interested in the working of shee metals, designing and constructing of punches and dies, and the manufacturing of repetition parts and articles in presses. This book is doubtless the last word in the literature of the subject. It deals with the vast field of meta work, and does so in a clear, concise, and thoroughly practical manner. It treats of the fundamental principles of construction, and the numerous methods of procedure in practice It is very well illustrated

> QUASI-PUBLIC CORPORATION ACCOUNTING AND MANAGEMENT. By John F. J. Mulhall, P.A. Boston: Corporation Publishing Company, 1906. 8vo.; pp 199

The evolution of business into corporate form which is so large and important a phase of ou modern social structure, necessitated a cor quasi-public corporations. The scarcity of data It should be of interest to those interbook. ods necessary for the proper organization and management of a business, and the recording of all essential details of Revenue, Operation Maintenance, and Construction.

ROCKS OF CAPE COLVILLE PENINSULA, N.Z By Prof. Sollas, F.R.S. With Intro duction and Descriptive Notes by Alexander McKay, F.G.S. Vol. II 4to.; pp. 215.

TELEGRAPHIE SANS FIL ET LA TELEME CANIQUE A LA PORTE DE TOUT LE MONDE. By E. Monier. Preface by Dr. E. Branly. Paris: H. Dunod et E. Pinat, Editeurs, 1906. 12mo.; pp 115.

YSICAL ECONOMICS. By Erastus Eugen-Holt, A.M., M.D., LL.D. Chicago Press of the American Medical Asso ciation, 1906. pp. 29.

Looking Forward. The Phenomenal Prog ress of Electricity in 1912. By H W. Hillman. Northampton: Valle View Publishing Company, 1906 12mo.; pp. 320.

REPORT ON THE ADMINISTRATION OF THE DEPARTMENT OF STREET CLEANING OF THE CITY OF NEW YORK. Adopted by the Board of Aldermen, 1906. 8vo. pp. 136.

ELEMENTS OF MECHANICAL DRAWING. IN Two Parts. By Alfred A. Titsworth M.Sc., C.E. New York: John Wiley & Sons, 1906. 8vo.; pp. 130. Price \$1.25.

NOMICS OF ROAD CONSTRUCTION. By Halbert Powers Gillette. New York: The Engineering News Publishing Company, 1906. 12mo.; pp. 49. Price

## INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending January 29, 1907.

AND EACH BEARING THAT DATE [See note at end of list about copies of these patents.

pounds per square inch pressure at the turbine. It is possible to obtain 5 horse-power from the 12-inch pipe, and the same for each additional 10-foot fall. It will require about 12 horse-power to fill your 6-inch pipe at full flow, and four times as much power for a 12-inch stream with four times as much water.

(10379) C. N. M. asks how to make the formulation of the power formulation of the De Vilbiss
Attendance indicator, W. B. Rose......
Automatic sprinkler, J. Taylor.....
Automatic sprinkler, G. I. Rockwood. re-Automatic sprinkler, G. I. Reckwood reissue 12, 601
Automobile Thempsen & Koch 842,591
Automobile running gear, C. T. Pratt 842,244
Awning, E. L. & P. A. Reeks 842,706
Axle, G. T. Price 842,336
Axle, A. J. Friedman 842,337
Axle, A. J. Friedman 842,337
Axle machine, J. L. Menkheuse 842,237
Bag machine, J. F. Ames 842,227
Baging press, M. I. Parkhurst 842,577
Balloons, car of navigable, P. H. Unsinger, 842,506
Bandage winding machine, J. G. Crawford, 842,307
Bar. See Metal bar.
Baskets and crates, carrier handle for, J.
J. Blue 842,737
Battery, F. A. Decker 842,388
Battery, F. A. Decker 842,388
Battery binding pest attachment, G. II.
Cove 842,707 Battery binding pest attachment, G. H. S42,771

Rattery jar or cell, J. Y. Bradbury. 842,616

Rattery plate, storage, W. Morrison. 842,801

Rattery switch, storage, S. A. Leonard. 842,405

Rearing metal package, N. Lodor. 842,477

Rearings, preparing rings for ball, S. Schneider. 842,500

Schneider. 842,500

Portling machine, multiple spindle, E. W. 842,171

Cleveland. Dust binding composition and making same. E. Dressler. L. Dressler. Dust bending composition and making same. 842,616

Buttery switch, storage, S. A. Leonard. 842,405

Buttery switch, storage, S. A. Leona

7	American		
	Belt adjusting mechanism, C. W. H. Blood	842,756	Egg Elast
)- '.	Belt adjusting mechanism, C. W. H. Blood. Belt guide and holder, A. J. Chaffin Belt guiding and trightening mechanism, C. W. H. Blood. Belt shifter, T. J. McVey Bicycle and tricycle frame, convertible, C. O. Hesstrom	842,757 842,757	Elect Elect
e l-	Bicycle and tricycle frame, convertible, C. O. Hedstrom	842,808 842,833	(
ŀ.	Bicycle and tricycle frame, convertible, C. O. Heastrom Billiard tables and similar articles, universally adjustable foot for the legs of, W. S. Fernau Binder for loose leaf records, permanent, A. Wagniere Binder, loose leaf, W. J. Roussel Binder, temperary, J. A. Bexell Blanks staggering, machine for cutting, E. Tyden	842,641	Elect Elect
d il	Binder for loose leaf records, permanent, A. Wagniere Binder, loose leaf, W. J. Roussel	842,3 <b>6</b> 1 842,7 <b>6</b> 8	Elect Eleva
s	Binder, temperary, J. A. Bexell	842,751 842,592	Engir Engir
n s	Blast furnace, H. W. Hixon Blind, Venetian, I. W. Goodell Boat, sectional, N. L. Skene	842,663 842,401 842,349	Engii Engii
e il d	Binder, temperary, J. A. Bexell Blanks staggering, machine for cutting, E. Tyden Blast furnace, H. W. Hixon Blast furnace, H. W. Goedell Beat, sectional, N. L. Skene Beiler tube cleaner, C. Gettwald Beilers, scummer and blow-off for steam, J. B. Barnes Bolster holder, K. E. Crecker Bolt, M. Ennis Bolts, self-retaining adjusting means for clutch accutating draft, M. F. McMahon Boring mill, A. Wood Bettle, E. Hamilton Bettle, J. T. Clifford Bottle, non-refillable, J. B. Fowler Bettle, non-refillable, F. W. Abbott Bottle w like article, C. F. Marsh Box machines, etc., gripping attachment for, Wrigley & Aspenleiter Bracelet, R. C. Castiglioni Brake mechanism, A. F. Rockwell Brake rigging, J. A. Lightbody Brick machine, J. Miller Broiler, G. T. Baguley Broiler, camp, C. R. Pyters. Broom shield, H. H. Asimon Brush, fountain, F. E. Fornwalt Brusher, polisher, washer, and self-feeder, fruit and vegetable, J. M. Baker Buckle, C. O. Anderson Buckle, C. O. Anderson Buckle, C. O. Anderson Buckle, Schilling & Flach Schilling & Flach Schilling & Flach	842,311 842,164	Engi: Engi: Engi:
e d	Bolster holder, K. E. Crocker Bolt, M. Ennis	842,387 842,450	Engi
2.	eluteh actuating draft, M. F. McMahon Boring mill, A. Wood Bottle, E. Hamilton	842,575 842,288 842.652	Engi
G	Bottle, J. T. Clifford	842,768 842,395 842,605	Engii N Engr
ī. n	Bottle er like article, C. F. Marsh Bex machines, etc., gripping attachment fer, Wrigley & Aspenleiter	842,219 842,290	Engr
ο.	Bracelet, R. C. Castiglioni Brake mechanism, A. F. Rockwell Brake rigging, J. A. Lightbody	842, <b>6</b> 25 842,248 842,474	Exca Exca
ı, ır	Brick machine, J. Miller Broiler, G. T. Baguley Broiler, cann. C. R. Peters.	842,412 842,749 842,695	Explo Explo
g g	Broom shield, H. H. Asimoni	842,376 842,644	Ever
f a	fruit and vegetable, J. M. Baker Buckle, C. • Andersen Buckle, A. • Brubaker	842,378 842,373 842,759	Faste Feed Feed
f	Buildings, masen's platform for, C. J. Clark  Bung for barrels, air inlet and beer outlet.	842,382	
r -	Clark  Bung for barrels, air inlet and beer outlet, Schilling & Flach Burial casket, C. F. Eagelman Button, F. W. Goerdes Button holder, A. H. Cushman Cabinet, kitchen, G. W. Wysor Cabinet, kitchen, A. R. Stephens Calculating machine registering mechanism, J. F. Mays	842,343 842,831 842,782	Ferre Ferry Ferti
;- l~ d	Butten helder, A. H. Cushman Cabinet, kitchen, G. W. Wysor Cabinet, kitchen, A. R. Stephens	842,177 842,440 842,720	Filte Filte
g ı,	Cabinet, physician's, H. A. Hughes Calculating machine registering mechanism, J. F. Mays	842,669 842,682	Firea Firea Fish
	Camera roller blind shutter, photographic,		Fishi Fishi
۲. )-	C. Sasse Cameras and roll holders, winding key for film, C. Bornmann Can closure, A. Bruntee!	842,825 842,444	Fishi Fluid Fluid
y [.	Canalle extinguisher, J. Kaiserreiner	842,463 842,394 842,679	Food,
g-	Car coupling, D. Pattersen Car fender, J. E. Kinnebrew Car, mine, C. A. Keller	842, <b>6</b> 92 842,559 842, <b>6</b> 70	Furn Furn Furn
E y	Car seat. Budd & Conde Car stake, R. L. Edwards Car switch, automatic mine. M. O. Horn-	842,298 842, <b>6</b> 38	f Fuse Garm
t ).	Cameras and roll holders, winding key for film, C. Bornmann Can closure, A. Brandter: Candle extinguisher, J. Kaiserreiner. Capstan, traveling, H. M. Fisk Car brake, W. Martin Car coupling, D. Pattersen Car fender, J. E. Kinnebrew Car, mine, C. A. Keller Car sata, Budd & Conde Car stake, R. L. Edwards Car switch, automatic mine, M. O. Horning Car switch operating mechanism, J. Barnes. Car unleading apparatus, platform, P. Mc-	842,667 842,380	Garm Garm Garm
e	Car window sash, E. T. Robinson	842,807 842,493	Gas Gas
: )-	Carbureter, Bryant & Watling Carbureter, explosion engine, A. B. Schuyler Card dealing machine, playing, G. Murch	842,170 842,429 842,803	Gas Gas a
ŗ- I.	Carbureter, Bryant & Watling Carbureter, explosion engine, A. B. Schuyler Card dealing machine, playing, G. Murch. Carline, J. H. Weisbrod Carpet cleaning machine, L. B. Cobb. Carpet sweeper, J. S. Clagett Carrier. See Pneumatic despatch tube carrier.	842,597 842,385 842,82 <b>6</b>	Gate Gate I
I. y 3.	Carving machine, F. H. Richards		Gear Gear Gear
<b>)</b> .	Cellulese threads, manufacturing glessy,	0.49 5.00	Glass Glass
E F	Cement block machine, G. L. Reed	842,848 842,258 842,258	Glass Glass
y ;	Chuck, J. A. Leland	842,469 842,386	Glass Glass
n	combined, S. L. Bigelow		Glave
ı, y e,	Cigar perferator, J. G. Deberty Cigarette machine arier, N. Du Brul Clay screen, J. B. Williamson Closet space, attachment intended to save,	842,534 842,599	Grair Grap Grass
••	Closet space, attachment intended to save, T. Tryon Clothes drier, A. F. Feggi Clothes banger support, C. Frankel. Clothes line, B. A. Brunner Clothes line support, C. A. Enggren Clutch, Downey & Davis Clutch, Fay & Ellsworth Clutch, F. Starr Clutch, autematic, W. Cooper	842,821 842,490 842,193	Grine Gun, Gun
y :	Clothes line, B. A. Brunner Clothes line support, C. A. Enggren Clutch, Downey & Davis	842,7 <b>6</b> 0 842,188 842,533	Gun Gun Gun
g e,	Clutch, Fay & Ellsworth	842,640 842,841 842,630	Guns Hair
•	Clutch, pulley, M. & C. Skegstad Cob breaker or crusher, G. H. Mayne Coffee drier, D. Gerden	842,587 842,681 842,456	Hame Hami Hami
5	Coke, cooling, C. E. Arnold Column, C. F. Linsemeyer Column base, C. E. Zimmermann	842,747 842,213 842,604	Hami Hami Hand
	Comb, F. Fontneau	842,643 842,624 842,829	Harr Harr Harr
	Comb, F. Fontneau Commutater, Carver & Steut Commutaters, making, T. Duncan. Compounds, reducing, F. J. Tone Concrete construction mold, J. F. Swinner- ton Concrete floor laying apparatus, A. Lan- ouist	842,273 842,722	Harr Harv
	Concrete floor laying apparatus, A. Lan- quist Concrete mixer, Kenisell & Lowry Concrete work, collapsible form for, O. S.	842,566 842,206	Harv Harv Hat
Е			Hat Hay
.1	Contact breaker, extra highly vibrating, G. Mamy. G. Wamy. Conveyer, J. H., Bell. Conveyers, idler fer belt, J. J. Ridgway. Cooling apparatus, H. J. Vascenzedles. Cord fastener, H. Hellweg Core drill, G. E. Okell Cerk sheets, method of and mechanism for making, J. H. Stone Corner brace, H. C. John Cotton chopping machine, S. H. Tucker. Cotton picker's sack carrier, W. A. Byrd. Crate, Callapsible, G. Rehrssen.	842,611 842,813 842,813	Hay Hay Head Head
6	Cord fastener, H. Hellweg  Cord drill, G. E. Okell	842,459 842,577	Heat Hide
$\frac{2}{3}$	making, J. H. Stone  Corner brace, H. C. John  Cotton channing medine S. H. Tucker	842,35 <b>6</b> 842,789 842,727	Hing Hing
0 4 5	Cotton picker's sack carrier, W. A. Byrd Crank, starting, G. M. D. Merwin Crate, collapsible, G. G. Rohrssen	842.7 <b>6</b> 5 842,7 <b>9</b> 3 842,494	Hing Hing Hitel
3	Cryptegraphic machine, H. Burg	842,763 842 192	Hod Horse
5 4 0	Cultivator, F. L. Carrell Cultivator, cotton, G. W. Abernethy Cycloidegraph, J. F. Cooley  Damper, time centrolled, Cawthorne & Lum-	842,623 842,159 842,447	H•se
0 7 5	mis	842,525 842,574 842,799 842,780	Het Ice n Indic Inget
	Derrick, I. E. Monroe  Desk, E. L. Gardner  Discharging apparatus, automatic, H. C. Lindsly	842,780 842,5 <b>6</b> 7	Insec
0 5 5	Discharging apparatus, autematic, H. C. Lindsly  Dish washer, M. V. Trimble Display rack, G. Gressmau Dividing machine, H. F. Hayes Door check, C. G. Deming Door check, R. R. Smith Door check, R. R. Smith Door fastener, sliding, W. H. Burant Door piveting device, J. E. Hucy Door securer, H. R. Palmer Dough dividing machine, P. S. Ward	842,72 <b>6</b> 842, <b>6</b> 51 842, <b>6</b> 94	Insul Insul Insul
1	Door check, C. G. Deming	842,304 842,350 842,521	Insul Inter Inter
5 5	Door fastener, sliding, W. H. Durant  Door piveting device, J. E. Huey  Door securer, H. R. Palmer	842,535 842,668 842,691	Jacqu P Knob
7 5 2	Dough dividing machine, P. S. Ward Dough mixer and kneader, O. D. Woodruff. Drafting attachment. T. S. Ross	842,596 842,509 842,585	Label Lady Lamp
8 5 2	Drafting instrument. J. A. Heydrick Drainer. dish. M. E. Roberts Draw head hanger. H. G. Savage	\$42.662 \$42,703 842.253	Lamp e Lamp
6	Door pivoting device, J. E. Hucy Door securer, H. R. Palmer Pough dividing machine, P. S. Ward Dough mixer and kneader, O. D. Woodruff. Prafting attachment. T. S. Ross Prafting instrument. J. A. Heydrick Prainer. dish. M. E. Roberts Praw head hanger. H. G. Savage Predge, J. L. White Prier. See Cigarette machine drier. Prying apparatus, A. Coleman.	842,364 842,769	Last. Lasts
9	Drilling machine, multiple spindle, E. W.	842,227	Latel
$\frac{6}{1}$	Cleveland  Dust binding composition and making same.  L. Dressler	842 636l	Later

	Per tecton D I Cohneihen	842,428
56 74	Egg tester, P. J. Schreiber Elastic substance similar to India rubber and its manufacture, L. Reland. Electric controller, H. Sawyer Electric generators, wireless balance for, R.	949.090
57	Electric controller, H. Sawyer	842,839 842,342
808	C. & E. Tayler	842,358
33	Electric meter system, G. Baehr Electric switch, safety, A. H. Williamsen.	842,515 842,843
	C. & E. Tayler.  C. & E. Tayler.  Electric meter system, G. Baehr Electric switch, safety, A. H. Williamsen. Electrically conducting bedies for use as contacts, making, Viertel & Egly.  Electrolytic cell, Seward & von Kugelgen. Electropneumatic channeler, A. H. Gibson, reissue	842.730
41	Electrolytic cell, Seward & von Kugelgen.	842,730 842,25 <b>6</b>
61 68	reissue  Elevator safety stop, H. Y. Baldwin	
51		842,294 842,446
92 <b>6</b> 3	Engine cylinders, means for cooling ex- plosive, G. P. Dorris Engine lubricator, steam, O. Sanders	842.531
01	Engine lubricator, steam, •. Sanders Engine starting means, internal combustion,	842,710
49 11	Engine starting means, internal combustion, C. J. Coleman Engine system, steam, D. M. Somers Engine tender, traction, R. S. White, Jr.	842,627 842,588
64	Engine tender, traction, R. S. White, Jr Engines, electrical ignition mechanism for	842,588 842,739
87 50	explesion, H. C. Brasier	842,617
75	explosion, H. C. Brasier Engines, incandescent igniter for gas, C. A. Anderson, et al. Engines, means for controlling the supply of vapor to internal combustion, F. H. Smith	842,607
88 52	of vapor to internal combustion, F. H.	0.40.004
68 95	Engines, wrist pin bearing for, W. B.	842,261
05	Engraving and die sinking machine, H. Phil-	842,847
19	11ps	014,001
$\frac{90}{25}$	Engraving er carving machine, H. M. Albec Excavater, J. B. Ames Excavater centrol pewer means, J. B. Webber, Jr. Explosion engine, J. T. Lagergren Explosive engine, J. Eckhard Explosive engine, White & Middleton Eyeglass nese piece, H. L. De Zeng Eyeglasses, S. W. Burch Fare register, W. L. Lightford. 842,475, Fastening device, E. A. Reeves Feed water heating means, J. Fournia Feeding machine, R. E. Woodson, et al. Fence, H. T. Harper Fence post, W. N. Reynolds	842,745 842,746
48 74	Excavator control power means, J. B. Web-	842 734
12 49	Explosion engine, J. T. Lagergren	842,734 842,468
95	Explosive engine, White & Middleton	842,392 842,737
76 44	Eyeglass nose piece, H. L. De Zeng Eyeglasses, S. W. Burch	$8\ 2,181 \\ 842,762$
78	Fare register, W. L. Lightford 842,475, Fastening device, E. A. Reeves	842,476 842,492
73 5 <b>9</b>	Feed water heating means, J. Fournia Feeding machine, R. E. Woodson, et al	842,492 842,777 842,601
82	Fence H. T. Harper Fence post, W. N. Reynolds Fence post, cement, B. F. Gibler. Ferrous carbonate, making, A. Flugge. Ferry, aerial, S. B. Harding. Fertilizer distributer, W. A. Freeman Filter, E. Burt Filter for defecation, R. M. Villarine. Filter pressure, C. W. Merrill Firearm, G. E. Witherell Firearm, R. C. Thomas Fish heek, G. H. & L. C. Van Vleck. Fishing float and line helder, combined, C. R. Fleming	842,197 842,811
43	Fence post, cement, B. F. Gibler	842,811 842,454 842,452
43 31 82	Ferry, aerial, S. B. Harding.	842,454 842,452 842,457 842,194 842,764 842,731 842,484 842,287
77 40	Filter, E. Burt	842,764
20 69	Filter, pressure, C. W. Merrill	842,731 842,484
82	Firearm, G. E. Witherell	842,436
82 <b>6</b> 3	Fish hook, G. H. & L. C. Van Vleck Fishing float and line holder, combined, C.	842,594
51	Fishing neat and the heider, combined, C. R. Fleming Fishing reel, R. L. Hunter Fishing reel, T. V. Buckwalter Fluid controlling device, S. Z. de Ferranti Fluid pressure brake, W. H. Sauvage, \$42,424.	842,540 842,551
25	Fishing reel, T. V. Buckwalter	842,7 <b>6</b> 1 842,393
44 <b>6</b> 3	Fluid pressure brake, W. H. Sauvage,	049.495
94	\$42,424, Food, cattle, W. F. Warren	842,425 842,281 842,715
79 92	Food, cattle, W. F. Warren Form, arm seye bust C. H. Scott Furnnee, J. V. Martin Furnace charging apparatus, G. Baehr Furnaces, ore heating and drying device for, U. Wedge	842,715 842,678
$\frac{59}{70}$	Furnace charging apparatus, G. Baehr Furnaces, ore heating and drving device	842,514
98 38	Furnaces, ore heating and drying device fer, U. Wedge Fuse mount, C. E. White Garment fastener, C. H. Schmidt Garment hoek, B. Goldsmith Garment supporter, M. L. Gasten Gars burner, P. E. Peterson Gas burner, G. Machlet, Jr. Gas furnace, H. A. Schnelbach	842,73 <b>6</b> 842,738
67	Garment fastener, C. H. Schmidt	842,738 842,498 842,542
80	Garment supporter, M. L. Gasten	842,542 842,541 842,810
07 93	Gas burner, P. E. Peterson Gas burner, G. Machlet, Jr.	842,334
46	Gas burner, G. Machiet, Jr. Gas furnace, H. A. Schnelbach Gas generator, acetylene, B. W. Scott. Gas lighting and extinguishing apparatus, automatic, N. H. Shaw Gate catch, J. O. Mitchell Gate lock and Support combined swing C.	842,334 842,792 842,427
70 29	Gas generator, acetylene, B. W. Scott Gas lighting and extinguishing apparatus,	842,345
03 97	automatic, N. H. Shaw	842.259 842,685
85 26	E. Sargent combined swing, co	842.711
	Gear cutting machine, J. E. Gleason Gear, reversing, W. J. D. Miller Gear, transmission, Degen & Manuel	842 455
22 53	Gear, transmission, Degen & Manuel	842,684 842,773 842,233
68	Glass articles, making, J. A. McLane Glass bulbs, retating heating device for tubulating, R. B. Flather	
	fill bulg ting R R Flather	
91	tubulating, K. D. Flather	842,191
91 48 58	tubulating, K. D. Flather	842,399
91 48 58 57 <b>6</b> 9	class drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine	842,399 842,209
91 48 58 57 69 86	Class drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying,	842,399 842,209 842,42 <b>6</b>
91 48 58 57 <b>69</b> 86	Class drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glove blank, W. N. Marsden	842,399 842,209 842,42 <b>6</b> 842,210
91 48 58 57 69 86 13 18 30 34	Class drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glove blank, W. N. Marsden	842,399 842,209 842,426 842,210 842,408 842,383
91 48 58 57 69 86 13 18 30 34	Class drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glove blank, W. N. Marsden	842,399 842,209 842,426 842,210 842,408 842,383
91 48 58 57 69 86 13 18 30 34	cubulating, R. D. Flather  Glass drawing furnace, sheet, George & Shertle  Glass to leers, device for introducing, Knapp & Mulholland  Glassware heating and finishing machine, H. A. Schnelbach  Glassware to leers, device for conveying, Knapp & Mulholland  Glove blank, W. N. Marsden  Gold dredge, H. J. Clark  Grain treating device, C. D. Woolverton.  Grass cutter, Herrick & Cleary  Grin air W. F. Markham  Gun air W. F. Markham  Grans cutter, Herrick & G. Benicke	842,399 842,209 842,426 842,210 842,408 842,383 842,289 842,719 842,199 842,381 842,381
91 48 58 57 69 86 13 18 30 34 99	cubulating, R. D. Flather  Glass drawing furnace, sheet, George & Shertle  Glass to leers, device for introducing, Knapp & Mulholland  Glassware heating and finishing machine, H. A. Schnelbach  Glassware to leers, device for conveying, Knapp & Mulholland  Glove blank, W. N. Marsden  Gold dredge, H. J. Clark  Grain treating device, C. D. Woolverton.  Grass cutter, Herrick & Cleary  Grin air W. F. Markham  Gun air W. F. Markham  Grans cutter, Herrick & G. Benicke	842,399 842,209 842,426 842,210 842,408 842,383 842,289 842,719 842,199 842,381 842,381
91 448 558 57 69 86 13 18 30 34 99 21 90 93 60 88	cubulating, R. D. Flather  Glass drawing furnace, sheet, George & Shertle  Glass to leers, device for introducing, Knapp & Mulholland  Glassware heating and finishing machine, H. A. Schnelbach  Glassware to leers, device for conveying, Knapp & Mulholland  Glove blank, W. N. Marsden  Gold dredge, H. J. Clark  Grain treating device, C. D. Woolverton.  Grass cutter, Herrick & Cleary  Grin air W. F. Markham  Gun air W. F. Markham  Grans cutter, Herrick & G. Benicke	842,399 842,209 842,426 842,210 842,408 842,383 842,289 842,719 842,199 842,381 842,381
91 48 58 57 69 86 13 31 83 30 34 99 21 90 93 60 88 33 40	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Gleve blank, W. N. Marsden Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig Gun with wedge breech block, barrel receil,	842,399 842,209 842,426 842,210 842,408 842,289 842,719 842,199 842,199 842,324 842,324 842,564 842,547
91 488 588 57 69 86 13 18 30 34 99 21 90 93 60 88 33 40 41 30	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Gleve blank, W. N. Marsden Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig Gun with wedge breech block, barrel receil,	842,399 842,209 842,426 842,210 842,408 842,383 842,289 842,719 842,199 842,199 842,324 842,570 842,564 842,574 842,564
91 448 558 57 69 86 13 18 30 34 99 21 99 60 41 30 41 30 87 81	class drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glove blank, W. N. Marsden Gold dredge, H. J. Clark Grain treating device, C. D. Woolverton. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hamme attachment, D. Gleim Hammer, W. J. Malley	842,399 842,426 842,426 842,408 842,408 842,791 842,199 842,199 842,381 842,370 842,564 842,564 842,564 842,547 842,564 842,547 842,563
91 448 558 57 69 86 13 334 39 21 99 33 40 441 387 47	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Glave blank, W. N. Marsden Geld dredge, H. J. Clark Grain treating device, C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hame attachment, D. Gleim Hammer, W. J. Malloy Hammer, pneumatic, J. F. Clement	842,399 842,426 842,426 842,408 842,383 842,289 842,199 842,199 842,199 842,547 842,564 842,547 842,542 842,547 842,648 842,647 842,648 842,647 842,648 842,647 842,648 843,648 844,64
91 448 558 57 69 86 13 30 334 99 21 90 93 88 83 34 40 441 30 87 81 55	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Gled dredge, H. J. Clark Grain treating device, C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig. Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Malley Hammer, pneumatic, M. Hardsecg Hummer, pneumatic, M. Hardsecg	842,399 842,209 842,426 842,210 842,210 842,4383 842,289 842,719 842,324 842,570 842,570 842,570 842,547 842,543 843,643 843,643 843,643 844,6
91 448 558 57 69 86 13 30 334 99 21 99 99 88 83 340 441 30 87 87 81 84 47 43	class drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Gleve blank, W. N. Marsden Geld dredge, H. J. Clark Grain treating device, C. D. Weelverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun munt, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech bleck, barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Malley Hammer, pneumatic, J. F. Clement Hummer, pneumatic, J. F. Clement Hummer, pneumatic, M. Hardsseg Harnow circlelling means, E. A. Parrett. Harrow circlelling means, E. A. Parrett.	842,399 842,209 842,426 842,410 842,410 842,410 842,193 842,193 842,193 842,570 842,570 842,547 842,547 842,548 842,548 842,648 843,648 844,64
91 448 558 569 86 13 34 39 99 21 99 960 88 33 440 441 387 47 413 424 424 429	class drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Gleve blank, W. N. Marsden Geld dredge, H. J. Clark Grain treating device, C. D. Weelverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun munt, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech bleck, barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Malley Hammer, pneumatic, J. F. Clement Hummer, pneumatic, J. F. Clement Hummer, pneumatic, M. Hardsseg Harnow circlelling means, E. A. Parrett. Harrow circlelling means, E. A. Parrett.	842,399 842,209 842,426 842,210 842,210 842,4383 842,289 842,719 842,324 842,570 842,570 842,570 842,547 842,543 843,643 843,643 843,643 844,6
91 448 58 569 669 13 334 430 99 21 993 60 888 334 441 330 441 330 441 430 443 424 437 73	class drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Gleve blank, W. N. Marsden Geld dredge, H. J. Clark Grain treating device, C. D. Weelverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun munt, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech bleck, barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Malley Hammer, pneumatic, J. F. Clement Hummer, pneumatic, J. F. Clement Hummer, pneumatic, M. Hardsseg Harnow circlelling means, E. A. Parrett. Harrow circlelling means, E. A. Parrett.	842,399 842,426 842,426 842,210 842,210 842,383 842,289 842,719 842,371 842,570 842,570 842,563 842,563 842,663 842,663 842,663 842,671 842,644 842,647 843,647 844,64
91 448 557 69 86 13 30 334 18 30 334 40 430 87 18 56 47 113 424 427 73	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Gleve blank, W. N. Marsden Gled dredge, H. J. Clark Grain treating device, C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with weege breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Malley Hammer, D. Gleim Hammer, W. J. Malley Hammer, pneumatic, M. Hardsecg Hammer, pneumatic, M. Hardsecg Harrow, reversible, L. B. Metcalf Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harrows, retary, F. Hansen Harrows retary, F. Hansen Harrows retary, F. Hansen Harrows retary, F. Hansen	842,399 842,426 842,408 842,408 842,498 842,289 842,719 842,381 842,547 842,564 842,576 842,564 842,547 842,528 842,626 842,626 842,626 842,626 842,626 842,638 843,638 843,638 844,63
91 448 58 569 669 13 334 430 99 21 993 60 888 334 441 330 441 330 441 430 443 424 437 73	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Gleve blank, W. N. Marsden Gled dredge, H. J. Clark Grain treating device, C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with weege breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Malley Hammer, D. Gleim Hammer, W. J. Malley Hammer, pneumatic, M. Hardsecg Hammer, pneumatic, M. Hardsecg Harrow, reversible, L. B. Metcalf Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harrows, retary, F. Hansen Harrows retary, F. Hansen Harrows retary, F. Hansen Harrows retary, F. Hansen	842,399 842,426 842,109 842,408 842,219 842,219 842,199 842,381 842,199 842,381 842,547 842,564 842,547 842,564 842,547 842,563 842,663 842,671 842,671 842,653 842,643 842,671 842,643 842,671 842,648
91 448 557 69 86 118 30 334 99 21 990 988 833 40 430 87 13 64 43 13 64 43 13 64 13 64 13 64 13 64 13 64 13 64 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Grass cutter, Herrick & Cleary Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, M. J. Malley Hammer, pneumatic, J. F. Clement Hammer, pneumatic, M. Hardsecg Hammeck, E. F. Fillman Handle, B. T. Landers Harrow, cisk, W. C. King Harrow, reversible, L. B. Metcalf Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvester platfern leveling device, Gerdon & Throop Harvester reel, T. J. Myers Harvesting machine, cetten, J. F. Appleby, Hat lastener, automatic, M. W. Robert- shaw Hat lure, S. L. Tayler	842,399 842,426 842,210 842,210 842,428 842,218 842,383 842,719 842,324 842,570 842,570 842,570 842,562 842,400 842,547 842,563 842,658 842,790 842,671 842,658 842,790 842,648 842,658 842,790 842,658 842,790 842,658 842,790 842,658
91 448 557 69 86 13 334 334 49 99 21 993 888 833 440 441 887 1886 47 13 12 24 42 24 42 27 32 42 42 42 42 42 42 42 42 42 42 42 42 42	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Gleve blank, W. N. Marsden Gled dredge, H. J. Clark Grain treating device, C. D. Weslverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Malley Hammer, pneumatic, M. Hardsecg Hammeck, E. F. Fillman Hammeck, E. F. Fillman Handle, B. T. Landers Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvester platferm leveling device, Gorden & Throop Harvester reel, T. J. Myers Harvesting machine, cetten, J. F. Appleby Hat fastener, automatic, M. W. Robert- Shaw Hat lure, S. L. Tayler Hay rake, J. H. Neeb Hay rake, J. H. Neeb	842,399 842,426 842,408 842,408 842,408 842,383 842,289 842,719 842,381 842,547 842,564 842,547 842,547 842,547 842,547 842,638 842,638 842,638 842,638 842,658 842,658 842,658 842,658 842,658 842,658 842,658 842,658 842,658 842,658 842,658 842,658 842,658
91 148 557 696 138 130 334 99 210 993 608 883 344 141 307 148 148 148 148 148 148 148 148	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Grass cutter, Herrick & Cleary Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Krone Hair comb, F. S. Cartwright Hammer, Mr. J. Malley Hammer, Mr. J. Malley Hammer, pneumatic, J. F. Clement Hummer, pneumatic, J. F. Clement Hummer, pneumatic, M. Hardsseg Harrow, retary, F. Hansen Harvesting machine, cetten, J. F. Appleby, Hat fastener, autematic, M. W. Robert Shaw rake, J. H. Neeb Hay rake, J. H. Neeb	842,399 842,426 842,408 842,408 842,408 842,383 842,239 842,719 842,381 842,547 842,564 842,547 842,548 842,524 842,524 842,408 842,239 842,638 842,638 842,648 842,328 842,162 842,328 842,162 842,328 842,162 842,482 842,348
91 448 557 69 86 13 334 99 21 99 90 98 88 334 441 43 43 12 443 42 443 42 443 42 443 42 443 42 443 42 443 443	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glove blank, W. N. Marsden Glove blank, W. N. Marsden Geld dredge, H. J. Clark Grain treating device, C. D. Weelverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with weelge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Malley Hammer, pneumatic, M. Hardsecg Hammeck, E. F. Fillman Hammeck, E. F. Fillman Handle, B. T. Landers Harrow centrelling means, E. A. Parrett. Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvester platferm leveling device, Gorden & Throop Harvester platferm leveling device, Gorden & Throop Harvester reel, T. J. Myers Har Luck, S. L. Tayler Hay rake, J. H. Neeb Hay steen "C. M. Spink Headlight support, car, C. M. Spink Headlight support, car, C. M. Spink	842,399 842,426 842,426 842,210 842,428 842,218 842,219 842,519 842,570 842,570 842,563 842,563 842,693 842,790 842,234 842,238 842,643 842,653 842,643 842,653 842,643 842,653 842,643 842,653 842,653 842,653 842,653
918488557 698 138334 99 21 990 888334 4113 604 413 622 666 12 67113 95	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glove blank, W. N. Marsden Glove blank, W. N. Marsden Geld dredge, H. J. Clark Grain treating device, C. D. Weelverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with weelge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Malley Hammer, pneumatic, M. Hardsecg Hammeck, E. F. Fillman Hammeck, E. F. Fillman Handle, B. T. Landers Harrow centrelling means, E. A. Parrett. Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvester platferm leveling device, Gorden & Throop Harvester platferm leveling device, Gorden & Throop Harvester reel, T. J. Myers Har Luck, S. L. Tayler Hay rake, J. H. Neeb Hay steen "C. M. Spink Headlight support, car, C. M. Spink Headlight support, car, C. M. Spink	842,399 842,426 842,408 842,408 842,408 842,383 842,239 842,776 842,564 842,577 842,563 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,648 842,328 842,162 842,838 842,838 842,838
918488557 698 138334 99 21 990 888334 4113 604 413 622 666 12 67113 95	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device to meaning apparatus G. Benicke Gun, treating apparatus G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, pneumatic, M. Hardsseg Hammer, W. J. Malloy Hammer, pneumatic, J. F. Clement Hummer, pneumatic, J. F. Clement Hummer, pneumatic, M. Hardsseg Hammer, E. F. Fillman Handle, B. T. Landers Harrow, disk. W. C. King Harrow, retary, F. Hansen Harrow, retary, F. Hansen Harvester reel, T. J. Myers Harvester platform leveling device, Gordon & Throop Harvester platform leveling device, Gordon & Throop Harvester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hay rake, J. H. Neeb Harting system, steam, T. F. Doxter, Hairow, W. B. Bestley, M. Spink	842,399 842,426 842,210 842,426 842,210 842,4719 842,570 842,570 842,577 842,563 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653
918 448 557 698 118 334 334 299 338 441 338 441 338 441 338 441 338 441 338 441 338 441 338 441 348 348 348 348 348 348 348 348 348 348	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Glave blank, W. N. Marsden Gold dredge, H. J. Clark Grain treating device C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, Pneumatic, J. F. Clement Hummer, pneumatic, M. Hardsseg Hammer, W. J. Malloy Hammer, pneumatic, M. Hardsseg Hammer, E. F. Fillman Handle, B. T. Landers Harrow, controlling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harvester reel, T. J. Myers Har lure, S. L. Tayler Hay rake, J. H. Neeb Hay rake, J. H. Neeb Hay rake, J. H. Neeb Hay lake, side delivery, F. L. Kirkman Had slight, autematic, C. M. Spink Heatlight suppert, car, C. M. Spink Heatlight, supert, car, C. M. Spink Heatlight, supert, car, C. M. Spink Heatling, V. Quaedvlieg Hinge, W. H. Brethers Hinge, For shutters, self-clessing, Kasch &	842,399 842,426 842,209 842,408 842,408 842,199 842,383 842,199 842,381 842,564 842,576 842,564 842,564 842,564 842,564 842,400 842,528 842,400 842,239 842,428 842,428 842,162 842,328 842,162 842,337 842,643 842,482 842,348 842,180 842,336
91484585579486 1384494999360883344014342449477 22 666 12 0711135597 589 589 589 589 589 589 589 589 589 589	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Glave blank, W. N. Marsden Gold dredge, H. J. Clark Grain treating device C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, Pneumatic, J. F. Clement Hummer, pneumatic, M. Hardsseg Hammer, W. J. Malloy Hammer, pneumatic, M. Hardsseg Hammer, E. F. Fillman Handle, B. T. Landers Harrow, controlling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harvester reel, T. J. Myers Har lure, S. L. Tayler Hay rake, J. H. Neeb Hay rake, J. H. Neeb Hay rake, J. H. Neeb Hay lake, side delivery, F. L. Kirkman Had slight, autematic, C. M. Spink Heatlight suppert, car, C. M. Spink Heatlight, supert, car, C. M. Spink Heatlight, supert, car, C. M. Spink Heatling, V. Quaedvlieg Hinge, W. H. Brethers Hinge, For shutters, self-clessing, Kasch &	842,399 842,426 842,209 842,408 842,408 842,199 842,383 842,199 842,381 842,547 842,564 842,547 842,564 842,547 842,523 842,626 842,400 842,239 842,432 842,432 842,432 842,432 842,432 842,432 842,432 842,432 842,432 842,432 842,433
918 458 557 918 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 458 1334 1334 1334 1334 1334 1334 1334 133	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Glassware, W. J. Clark Grain treating device, C. D. Weelverten, Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig. Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Mailoy Hammer, pneumatic, M. Hardsecg Hammer, W. J. Mailoy Hammer, pneumatic, M. Hardsecg Hammock, E. F. Fillman Handle, B. T. Landers Harrow, controlling means, E. A. Parrett. Harrow, controlling means, E. A. Parrett. Harrow, vetary, F. Hansen Harvester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hay rake, side delivery, F. L. Kirkman Hay sling lock, G. Matson Headlight, automatic, C. M. Spink Headlight support, car, C. M. Spink Headlight, automatic, C. M. Spink Headlight, automatic, C. M. Spink Headlight, sutematic, Self-closing, Kasch & Eberhard Hinge, Spring, W. H. Brethers	842,399 842,426 842,209 842,408 842,408 842,383 842,439 842,381 842,563 842,564 842,564 842,563 842,698 842,400 842,239 842,463 842,464 842,576 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653 842,653
918 4585 5579 86 138 118 138 138 138 138 138 138 138 138	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Glassware, W. J. Clark Grain treating device, C. D. Weelverten, Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig. Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Mailoy Hammer, pneumatic, M. Hardsecg Hammer, W. J. Mailoy Hammer, pneumatic, M. Hardsecg Hammock, E. F. Fillman Handle, B. T. Landers Harrow, controlling means, E. A. Parrett. Harrow, controlling means, E. A. Parrett. Harrow, vetary, F. Hansen Harvester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hay rake, side delivery, F. L. Kirkman Hay sling lock, G. Matson Headlight, automatic, C. M. Spink Headlight support, car, C. M. Spink Headlight, automatic, C. M. Spink Headlight, automatic, C. M. Spink Headlight, sutematic, Self-closing, Kasch & Eberhard Hinge, Spring, W. H. Brethers	842,399 842,426 842,408 842,408 842,408 842,383 842,289 842,776 842,564 842,577 842,563 842,698 842,490 842,239 842,491 842,239 842,457 842,234 842,162 842,162 842,482 842,388 842,162 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388 842,482 842,388
918 4585 579 886 130 334 99 93 833 441 130 438 77 131 132 132 133 134 135 136 137 138 138 138 138 138 138 138 138 138 138	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Glassware, W. J. Clark Grain treating device, C. D. Weelverten, Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig. Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Mailoy Hammer, pneumatic, M. Hardsecg Hammer, W. J. Mailoy Hammer, pneumatic, M. Hardsecg Hammock, E. F. Fillman Handle, B. T. Landers Harrow, controlling means, E. A. Parrett. Harrow, controlling means, E. A. Parrett. Harrow, vetary, F. Hansen Harvester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hay rake, side delivery, F. L. Kirkman Hay sling lock, G. Matson Headlight, automatic, C. M. Spink Headlight support, car, C. M. Spink Headlight, automatic, C. M. Spink Headlight, automatic, C. M. Spink Headlight, sutematic, Self-closing, Kasch & Eberhard Hinge, Spring, W. H. Brethers	842,399 842,426 842,408 842,408 842,408 842,383 842,429 842,547 842,564 842,547 842,564 842,547 842,528 842,400 842,239 842,400 842,239 842,400 842,239 842,400 842,239 842,400 842,239 842,404 842,519
918 4587 918 4587 918 4587 918 918 918 918 918 918 918 918 918 918	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Glassware to leers, device for conveying, Knapp & Mulholland Glave blank, W. N. Marsden Glassware, W. J. Clark Grain treating device, C. D. Weelverten, Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig. Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Mailoy Hammer, pneumatic, M. Hardsecg Hammer, W. J. Mailoy Hammer, pneumatic, M. Hardsecg Hammock, E. F. Fillman Handle, B. T. Landers Harrow, controlling means, E. A. Parrett. Harrow, controlling means, E. A. Parrett. Harrow, vetary, F. Hansen Harvester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hay rake, side delivery, F. L. Kirkman Hay sling lock, G. Matson Headlight, automatic, C. M. Spink Headlight support, car, C. M. Spink Headlight, automatic, C. M. Spink Headlight, automatic, C. M. Spink Headlight, sutematic, Self-closing, Kasch & Eberhard Hinge, Spring, W. H. Brethers	842,399 842,426 842,426 842,210 842,210 842,210 842,219 842,381 842,571 842,570 842,573 842,643 842,547 842,563 842,693
91484587 9148457 914857 914857 914857 914857 914857 914857 914857 914857 914857 91485	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for leers grand grand grand Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig, Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Mailey Hammer, W. J. Mailey Hammer, Decument, D. Gleim Hammer, W. J. Mailey Hammer, pneumatic, M. Hardsseg Hammerk, E. F. Fillman Handle, B. T. Landers Harrow, centrelling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvester rela, T. J. Myers Hay rake, Side delivery, F. L. Kirkman Hav jake, J. H. Neeb Hay rake, J. H. Neeb Hinge, Spring, H. J. Valentine Hides, tool cylinder for machines for unhairing. V. Quaedvlieg Hinge, Spring, H. J. Valentine Hides, tool cylinder for machines for unhairing. V. Quaedvlieg Hinge, Spring, H. J. Valentine Hides, tool cylinder for machines for unhairing. V. Quaedvlieg Hinge, Spring, H. J. V	842,399 842,426 842,408 842,408 842,408 842,381 842,547 842,564 842,567 842,564 842,524 842,524 842,524 842,426 842,524 842,438 842,638
91845886 133349 219033349 219033349 219033349 219033349 219033349 219033349 219033349 219033349 219033349 219033349 2190349 2190349	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Glave blank, W. N. Marsden Glassware to leers, device for conveying, Glave blank, W. N. Marsden Glassware to leers, device for Lowelverton. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Malloy Hammer, pneumatic, M. Hardsseg Hammer, W. J. Malloy Hammer, pneumatic, M. Hardsseg Hammek, E. F. Fillman Handle, B. T. Landers Harrow, controlling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Havester reel, T. J. Myers Hat lure, S. L. Tayler Hay rake, J. H. Neeb Hay lake, side delivery, F. L. Kirkman Hadlight, autematic, C. M. Spink Headlight, autematic, C. M. Spink Headlight, autematic, C. M. Spink Headlight, autematic, G. M. Spink Headlight, autematic, C. M. Spink Headlight, autematic, C. M. Spink Headlight, autematic, C. M.	842,399 842,426 842,408 842,408 842,408 842,381 842,547 842,564 842,567 842,564 842,524 842,524 842,524 842,638
918 458 86 13 33 34 41 33 30 34 41 13 34 34 34 34 34 34 34 34 34 34 34 34 34	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Glassware to leers, device to leers, device for conveying, Glassware to leers, device to leers, device for conveying, Gun device, device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, pneumatic, M. Gleim Hammer, pneumatic, J. F. Clement Hummer, pneumatic, J. F. Clement Hummer, pneumatic, J. F. Clement Hummer, pneumatic, J. F. Clement Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvesting machine, catten, J. F. Appleby, Hat fastener, automatic, M. W. Robert- Shaw Harvesting machine, catten, J. F. Appleby, Hat fastener, automatic, M. W. Robert- Shaw, S. L. Tayler Hay rake, J. H. Neeb Hay rake, J. H. Neeb Hay rake, J. H. Neeb Hay lake, spring, H. J. Valentine Hides, tool cylinder for machines for un- hairing, spring, W. H. Brothers Hinge, spring, W. H. Brothers	842,399 842,426 842,210 842,408 842,210 842,408 842,383 842,483 842,547 842,564 842,564 842,564 842,564 842,564 842,567 842,667 842,667 842,238 842,647 842,248 842,400 842,318 842,482 842,483 842,483 842,483 842,484 842,516 842,484 842,516 842,484 842,516 842,484 842,516 842,484 842,516 842,484 842,516 842,484 842,516 842,484 842,516 842,516 842,484 842,516 842,516 842,516 842,516 842,516 842,516 842,516 842,516 842,516 842,516 842,516 842,516 842,516 842,516
91845886 133849 2199360 883334413043344 1337344 133734 13374	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for leers grand grand grand Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig, Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Mailey Hammer, W. J. Mailey Hammer, pneumatic, M. Hardsseg Hammerk, E. F. Fillman Handle, B. T. Landers Harrow, centrelling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvester rela, T. J. Myers Hay rake, Side delivery, F. L. Kirkman Hay sling lock, G. Matsen Headlight, automatic, C. M. Spink Headlight, automatic, C. M. Spink Headlight, suppert, car, C	842,399 842,426 842,408 842,408 842,408 842,381 842,547 842,564 842,576 842,564 842,547 842,563 842,626 842,239 842,490 842,239 842,490 842,239 842,490 842,239 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,316 842,490 842,593 842,490 842,490 842,593 842,490 842,593
918 458 86 13 13 13 13 13 13 13 13 13 13 13 13 13	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for leers grand grand grand Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig, Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Mailey Hammer, W. J. Mailey Hammer, pneumatic, M. Hardsseg Hammerk, E. F. Fillman Handle, B. T. Landers Harrow, centrelling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvester rela, T. J. Myers Hay rake, Side delivery, F. L. Kirkman Hay sling lock, G. Matsen Headlight, automatic, C. M. Spink Headlight, automatic, C. M. Spink Headlight, suppert, car, C	842,399 842,426 842,408 842,408 842,408 842,381 842,547 842,564 842,576 842,564 842,547 842,563 842,626 842,239 842,490 842,239 842,490 842,239 842,490 842,239 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,316 842,490 842,593 842,490 842,490 842,593 842,490 842,593
91845888 133049 210933088833304110433424931 27 22 666 12 07111335977 5898225597 2749980 6762519440501	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for leers grand grand grand Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus, G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, portable, J. Kurig, Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, W. J. Mailey Hammer, W. J. Mailey Hammer, pneumatic, M. Hardsseg Hammerk, E. F. Fillman Handle, B. T. Landers Harrow, centrelling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvester rela, T. J. Myers Hay rake, Side delivery, F. L. Kirkman Hay sling lock, G. Matsen Headlight, automatic, C. M. Spink Headlight, automatic, C. M. Spink Headlight, suppert, car, C	842,399 842,426 842,408 842,408 842,408 842,381 842,547 842,564 842,576 842,564 842,547 842,563 842,626 842,239 842,490 842,239 842,490 842,239 842,490 842,239 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,238 842,490 842,316 842,490 842,593 842,490 842,490 842,593 842,490 842,593
948888 1138349 2103881433074 22937 22 666 12 07113959577 56982752 274988 6762514940521358	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Glasw blank, W. N. Marsden Gelad dredge, H. J. Clark Grain treating device C. D. Woelverton, Grappie, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig, Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hame attachment, D. Gleim Hammer, W. J. Malley Harrow, controlling means, E. A. Parrett, Harrow, disk. W. C. King Harrow, reversible, L. B. Metcalf Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvesting machine, cutten, J. F. Appleby, Hat fastener, automatic, M. W. Robert- shaw Harvesting machine, cutten, J. F. Appleby, Hat pake, J. H. Neeb Hay rake, side delivery, F. L. Kirkman Headlight, automatic, C. M. Spink Headlight suppert, car, C. M. Spink Headlight, automatic, C. M. Spink Headlight suppert, car, C. M. Spink Headlight, automatic, C. M. Spink Headlight,	842,399 842,426 842,210 842,408 842,283 842,719 842,381 842,547 842,564 842,576 842,564 842,547 842,563 842,626 842,239 842,400 842,239 842,401 842,234 842,648 842,328 842,142 842,367 842,234 842,367 842,214 842,496
948888 133849 210388883330 413087 22 666 2 1 071133557 5899 6383330 6883330 6883330 6883330 6883330 6883330 6883330 6883330 6883330 6883330 6883330 6883330 6883330 6883330 6883330 6883330 68830 68830 688330 688330 688330 688330 688330 688330 688330 688330 688330 688330 688330 688330 688330 688330 688330 688330 688330 68830 688300 688300	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Glasw blank, W. N. Marsden Gelad dredge, H. J. Clark Grain treating device C. D. Woelverton, Grappie, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig, Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hame attachment, D. Gleim Hammer, W. J. Malley Harrow, controlling means, E. A. Parrett, Harrow, disk. W. C. King Harrow, reversible, L. B. Metcalf Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvesting machine, cutten, J. F. Appleby, Hat fastener, automatic, M. W. Robert- shaw Harvesting machine, cutten, J. F. Appleby, Hat pake, J. H. Neeb Hay rake, side delivery, F. L. Kirkman Headlight, automatic, C. M. Spink Headlight suppert, car, C. M. Spink Headlight, automatic, C. M. Spink Headlight suppert, car, C. M. Spink Headlight, automatic, C. M. Spink Headlight,	842,399 842,426 842,210 842,408 842,239 842,471 842,571 842,564 842,577 842,563 842,400 842,524 842,400 842,524 842,400 842,524 842,400 842,524 842,400 842,524 842,239 842,432 842,432 842,433 842,449 842,328 842,449 842,336 842,449 842,336 842,449 842,356 842,449 842,356 842,449 842,356 842,449 842,356 842,449 842,356 842,449 842,356 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,449 842,553 842,455 842,553 842,455 842,553 842,455 842,553 842,455 842,553 842,455
948888 133849 210388883330 41003388 13384410 13384410 13384	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine, H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Glasw blank, W. N. Marsden Gelad dredge, H. J. Clark Grain treating device C. D. Woelverton, Grappie, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig, Gun with wedge breech block barrel recoil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hame attachment, D. Gleim Hammer, W. J. Malley Harrow, controlling means, E. A. Parrett, Harrow, disk. W. C. King Harrow, reversible, L. B. Metcalf Harrow, reversible, L. B. Metcalf Harrow, retary, F. Hansen Harvesting machine, cutten, J. F. Appleby, Hat fastener, automatic, M. W. Robert- shaw Harvesting machine, cutten, J. F. Appleby, Hat pake, J. H. Neeb Hay rake, side delivery, F. L. Kirkman Headlight, automatic, C. M. Spink Headlight suppert, car, C. M. Spink Headlight, automatic, C. M. Spink Headlight suppert, car, C. M. Spink Headlight, automatic, C. M. Spink Headlight,	842,399 842,426 842,210 842,408 842,283 842,719 842,381 842,547 842,564 842,576 842,564 842,547 842,563 842,626 842,239 842,400 842,239 842,401 842,234 842,648 842,328 842,142 842,367 842,234 842,367 842,214 842,496
948888 133849 21038881677 133881 13384 133	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Gleve blank, W. N. Marsden Gled dredge, H. J. Clark Grain treating device C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, wentrelling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harvow, retary, F. Hansen Havester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hat lure, S. L. Tayler Hay rake, J. H. Neeb Hay rake, J. P. Happer Hinge, W. H. Brothers Hinge, W. H. Brothers Hinge, Spring, H. J. Valentine Hinge, W. H. Brothers Hinge, Spring, H	842,399 842,426 842,408 842,408 842,408 842,381 842,517 842,564 842,5776 842,564 842,524 842,625 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,648 842,638 842,648 842,657
94888688 11383499 210938688334041308731685677 568977 5689785948 57898 57	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Gleve blank, W. N. Marsden Gled dredge, H. J. Clark Grain treating device C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, wentrelling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harvow, retary, F. Hansen Havester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hat lure, S. L. Tayler Hay rake, J. H. Neeb Hay rake, J. P. Happer Hinge, W. H. Brothers Hinge, W. H. Brothers Hinge, Spring, H. J. Valentine Hinge, W. H. Brothers Hinge, Spring, H	842,399 842,426 842,408 842,408 842,408 842,381 842,517 842,564 842,5776 842,564 842,524 842,625 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,648 842,638 842,648 842,657
948888 133849 210388888 334041308781 22 666 12 011135597 58975 58975 3948 32 22 366 12 011135597 58975 3948 32 22 366 12 011135597 58975 3948 32 22 366 12 011135597 58975 3948 32 22 366 12 011135597 58975 3948 32 22 366 12 011135597 58975 3948 32 22 366 12 011135597 58975 3948 32 22 366 12 011135597 58975 3948 32 22 366 12 011135597 58975 3948 32 22 366 12 011135597 58975 3948 32 22 366 12 011135597 58975 3948 32 22 366 12 0111359 3948 32 36 36 36 36 36 36 36 36 36 36 36 36 36	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Gleve blank, W. N. Marsden Gled dredge, H. J. Clark Grain treating device C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, wentrelling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harvow, retary, F. Hansen Havester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hat lure, S. L. Tayler Hay rake, J. H. Neeb Hay rake, J. P. Happer Hinge, W. H. Brothers Hinge, W. H. Brothers Hinge, Spring, H. J. Valentine Hinge, W. H. Brothers Hinge, Spring, H	842,399 842,426 842,408 842,408 842,408 842,381 842,517 842,564 842,5776 842,564 842,524 842,625 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,648 842,638 842,648 842,657
948886888888888888888888888888888888888	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Gleve blank, W. N. Marsden Gled dredge, H. J. Clark Grain treating device C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, wentrelling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harvow, retary, F. Hansen Havester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hat lure, S. L. Tayler Hay rake, J. H. Neeb Hay rake, J. P. Happer Hinge, W. H. Brothers Hinge, W. H. Brothers Hinge, Spring, H. J. Valentine Hinge, W. H. Brothers Hinge, Spring, H	842,399 842,426 842,408 842,408 842,408 842,381 842,517 842,564 842,5776 842,564 842,524 842,625 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,648 842,638 842,648 842,657
948887888 138849 2109388883404308781898888834043087818988888834043088888888888888888888888888	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Gleve blank, W. N. Marsden Gled dredge, H. J. Clark Grain treating device C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, wentrelling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harvow, retary, F. Hansen Havester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hat lure, S. L. Tayler Hay rake, J. H. Neeb Hay rake, J. P. Happer Hinge, W. H. Brothers Hinge, W. H. Brothers Hinge, Spring, H. J. Valentine Hinge, W. H. Brothers Hinge, Spring, H	842,399 842,426 842,408 842,408 842,408 842,381 842,517 842,564 842,5776 842,564 842,524 842,625 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,648 842,638 842,648 842,657
948887888 138849 2109388883404308781898888834043087818988888834043088888888888888888888888888	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Gleve blank, W. N. Marsden Gled dredge, H. J. Clark Grain treating device C. D. Wedverten. Grapple, G. W. Smith Grass cutter, Herrick & Cleary Grinding apparatus. G. Benicke Gun, air, W. F. Markham Gun cleaner, C. T. Forbes Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb, F. S. Cartwright Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, Deumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Hammer, wentrelling means, E. A. Parrett. Harrow, disk, W. C. King Harrow, reversible, L. B. Metcalf Harvow, retary, F. Hansen Havester platform leveling device, Gordon & Throop Harvester reel, T. J. Myers Hat lure, S. L. Tayler Hay rake, J. H. Neeb Hay rake, J. P. Happer Hinge, W. H. Brothers Hinge, W. H. Brothers Hinge, Spring, H. J. Valentine Hinge, W. H. Brothers Hinge, Spring, H	842,399 842,426 842,408 842,408 842,408 842,381 842,517 842,564 842,5776 842,564 842,524 842,625 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,648 842,638 842,648 842,657
91845886 133349 219033349 219033349 219033349 219033349 219033349 219033349 219033349 219033349 219033349 219033349 219033349 2190349 2190349 21	Glass drawing furnace, sheet, George & Shertle Glass to leers, device for introducing, Knapp & Mulholland Glassware heating and finishing machine. H. A. Schnelbach Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Knapp & Mulholland Glassware to leers, device for conveying, Glassware to leers, device, device, Gun device, device, pertable, J. Kurig. Gun mount, portable, W. Mayer Gun sighting device, pertable, J. Kurig. Gun with wedge breech block barrel receil, M. Hermsderf Guns, training lever for, J. Krone Hair comb. F. S. Cartwright Hammer, pneumatic, M. Hardsseg Hammer, pneumatic, J. F. Clement Hammer, pneumatic, M. Hardsseg Hammer, pneumatic, M. Hardsseg Harrow, retary, F. Hansen Harrow, contraly, F. Hansen Harrow, retary, F. Hansen Harrow, retary, F. Hansen Harvestring machine, cetten, J. F. Appleby, Hat fastener, automatic, M. W. Robert- shaw Hat lure, S. L. Tayler Hay rake, J. H. Neeb Hay lake, spring, H. J. Valentine, Hides, tool cylinder for machines for un- hairing. V. Quaedvlieg Hitching post J. H. Dietrich Headlight, automatic, C. M. Spink Headlight, support, car, C. M. Spink Heating, spring, H. J. Valentine, Hitching, spring, H. J. Valentine, Hitchin	842,399 842,426 842,408 842,408 842,408 842,381 842,517 842,564 842,5776 842,564 842,524 842,625 842,638 842,638 842,638 842,638 842,638 842,638 842,638 842,648 842,638 842,648 842,657