

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 send you the name and address of the party desiring the information. In every case it is necessary to give the number of the inquiry.

MUNN & CO.

Marine Iron Works. Chicago. Catalogue free.
Inquiry No. 1951.—For manufacturers of sewing machines, such as can openers, needle threaders for novel machines, needle-threading, thimbles, etc.
"U. S." Metal Polish. Indianapolis. Samples free.
Inquiry No. 1952.—For a device for holding covers on foot of bed.
WATER WHEELS. Alcott & Co., Mt. Holly, N. J.
Inquiry No. 1953.—For manufacturers of balloons.
Stencil Machines.—A. J. Bradley, 101 Beekman St. N.Y.
Inquiry No. 1954.—For the manufacturers of the Light & Champion hay presses.
Metal substitute. Crane Bros., Mrs. Westfield, Mass.
Inquiry No. 1955.—For manufacturers of ditching machines.
Handle & Spoke Mch. Ober Mfg. Co., 10 Bell St., Chagrin Falls, O.
Inquiry No. 1956.—For dealers in machine shop equipments.
Glass paper-weights for advertising. Write for prices. Lohmiller Co., Wellsburg, W. Va.
Inquiry No. 1957.—For dealers in light-weight steam engines.
WANTED.—Address of wire machine manufacturers. Johnston & Sword, Toronto, Canada.
Inquiry No. 1958.—For dealers in grooved steel wire for umbrellas.
Sawmill machinery and outfits manufactured by the Lane Mfg. Co., Box 13, Montpelier, Vt.
Inquiry No. 1959.—For manufacturers of gunsmiths' tools and materials.
Rigs that Run. Hydrocarbon system. Write St. Louis Motor Carriage Co., St. Louis, Mo.
Inquiry No. 1960.—For manufacturers of steam, gasoline, kerosene or hot air engines of about 1/2 horse power.
Let me sell your patent. (No advance fees.) Chas. A. Scott, Granite Building, Rochester, N. Y.
Inquiry No. 1961.—For dealers in the prepared Rambo fiber.
For sheet metal stampings and novelties try Standard Stamping Co., Seventh and Hudson, Buffalo, N. Y.
Inquiry No. 1962.—For dealers in machines for so defing cans.
Ten days' trial given on Daus' Tip Top Duplicator. Felix Daus Duplicator Co., 5 Hanover St., N. Y. City.
Inquiry No. 1963.—For machines for sorting, cleaning and cutting sardines before packing.
Are you looking for anything in bent woodwork? Write Tucker Bicycle Woodwork Co., Urbana, Ohio.
Inquiry No. 1964.—For a 250 to 350 light 110-volt dynamo and engine direct connected.
Gear Cutting of every description accurately done. The Garvin Machine Co., 149 Varick cor. Spring Sts., N.Y.
Inquiry No. 1965.—For dealers in raw rubber.
Metal cut, bent, crimped, embossed, corrugated; any size or shape. Metal Stamping Co., Niagara Falls, N. Y.
Inquiry No. 1966.—For manufacturers of "steel bowling alleys."
Manufacturers of patent articles, dies, stamping tools, light machinery. Quadriga Manufacturing Company, 18 South Canal Street, Chicago.
Inquiry No. 1967.—For manufacturers of scales.
The celebrated "Hornby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Refrigerating Machine Company. Foot of East 138th Street, New York.
Inquiry No. 1968.—For dealers in special tools.
The best book for electricians and beginners in electricity is "Experimental Science" by Geo. M. Hopkins. By mail, \$4. Munn & Co., publishers, 361 Broadway, N. Y.
Inquiry No. 1969.—For dealers in tools and model supplies.
NOVELTY CO.'S ATTENTION.—Patent No. 680,463 for sale or royalty. Sticky Fly Paper Bracket, hangs up, keeping paper out of the way and out of sight. Cheap in construction. F. H. Plaistrige, 30 1/2 S. Spring St., Los Angeles, Cal.
Inquiry No. 1970.—For parties to make model of a machine bawing mechanism similar to that of a typewriter.
Inquiry No. 1971.—For makers of woodworking machinery, too s, etc.
Inquiry No. 1972.—For manufacturers of mica globes.
Inquiry No. 1973.—For manufacturers of eight-day clocks adapted to closing an electric circuit once in 12 or 24 hours.
Inquiry No. 1974.—For parties handling oilstone in bulk.
Inquiry No. 1975.—For parties to manufacture all-metal mail cranes.
Inquiry No. 1976.—For machinery for making cords and tassels of cotton and silk.
Inquiry No. 1977.—For makers of canners' machinery.
Inquiry No. 1978.—For makers of pure gum caoutchouc.
Inquiry No. 1979.—For manufacturers of ice-crushing machines or ice crackers for soda fountain.
Inquiry No. 1980.—For manufacturers of bag-making machinery.
Inquiry No. 1981.—For manufacturers of wire novelties.
Inquiry No. 1982.—For manufacturers of small figures of animals and persons of paper mache.
Inquiry No. 1983.—For makers of electric drills.
Inquiry No. 1984.—For western makers of round basswood sticks 5-32 inch by 7 inches.
Inquiry No. 1985.—For an ice plant of about 10 tons capacity.
Inquiry No. 1986.—For small ice machines about 100 or 200 pounds per day.
Inquiry No. 1987.—For dealers in fancy printed tin boxes for drugs, etc.
Inquiry No. 1988.—For manufacturers of printers' type-making machinery.
Inquiry No. 1989.—For manufacturers of rubber stamps, vulcanizers, tools, etc.
Inquiry No. 1990.—For dealers in small gas engines and dynamos for lighting plants.
Inquiry No. 1991.—For an apparatus for making fuel gas from coal.
Inquiry No. 1992.—For small motors that are self-starting under full load.
Inquiry No. 1993.—Wanted, to buy or lease grip, muscle or other slot machines.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending January 21, 1902, AND EACH BEARING THAT DATE.

[See note at end of list about copies of these patents.]

- Advertising device, A. C. Huckstepp, 691,703
Aluminum hydrate, making, H. W. Jordan, 691,470
Aseptic preparation from pancreas and producing same, W. Weber, 691,681
Automobile steering gear, Barsaiteux & Hall, 691,519
Autotype plates, manufacturing, E. Ehlert, 691,535
Baling press, I. V. Jones, 691,387
Bannans, etc., device for transporting, R. E. Bandy, 691,526
Bath fixture with soda water dispensing apparatus provided with symp caus, J. C. Johnson, 691,386
Basket blank weaving machine, R. & W. F. Goddard, 691,021
Bearing for crank shafts, etc., roller, G. H. Reynolds, 691,487
Bedstead brace, I. W. Campbell, 691,352
Bedstead hook and lock, Iron, G. Williams, 691,427
Beer vats and pipes, cleaning, sjuo & Thornell, 691,671
Beet blocker, W. W. Bartlett, 691,379
Belt holder and skirt support, T. F. McEvilly, 691,096
Bevel, N. B. Norfolk, 691,728
Bicycle attachment, A. P. Christiansen, 691,597
Bicycle coaster brake, A. E. Wyman, 691,661
Bicycle lock, O. H. Hansen, 691,374
Billiard table, pool, W. L. DeBlouff, 691,452
Blind, J. H. Dalrymple, 691,382
Blasting cartridge, safety, E. Durham, 691,367
Blind, Venetian or like, R. G. Coveney, 691,003
Block, See Pulley block.
Block, P. J. Macdonald, 691,558
Boat, submarine, Carpenter & Mahony, 691,353
Boiler, Blake & Bell, 691,712
Boiler furnace, steam, T. G. Macy, 691,398
Boiler tubes, etc., dipplement for cleaning, W. Lombardi, 691,475
Book, carbon copying, Turk & Merrill, 691,504
Book cover, detachable, G. A. Roadde, 691,731
Boot or shoe treeling machine, H. A. Ballard, 691,576
Boots and shoes, machine, W. A. Copeland et al., 691,602
Boring apparatus, F. Holbrook, 691,629
Bottle, non-refillable, W. C. Leak, 691,553
Bottle washing machine, Lippert & Hottinan, 691,642
Breast strap slide, T. Imberdeau, 691,630
Broom covers, woven fabric for, W. B. Pittz, 691,459
Camera, photographic, F. A. Brownell, 691,582
Capsule, R. B. Wilson, 691,487
Car, convertible, J. A. Brill, 691,351
Car, low side gondola, G. I. King, 691,657
Car seat, H. S. Hale, 691,373
Car side bearing, railway, F. K. Fassott, 691,089
Cars, means for driving generators placed upon cars by power taken from the, J. L. Creveling, 691,359
Cars, etc., means for propelling, E. Howard, 691,425
Carriage belt, A. Meyer, 691,603
Case, See Dental instrument case.
Castings, apparatus for marking, J. J. Carroll, 691,442
Cement composition of matter for, J. D. MacDonnell, 691,397
Chair wheel attachment, child's high, I. M. Clark, 691,532
Chatelaine catch, J. E. Ortner, 691,566
Chocolate coating machine, J. L. Dem., 691,610
Chuck, drill, J. A. Craig, 691,449
Chuck, nail, J. A. Milliken, 691,725
Cinematograph, Schmidt & Haensch, 691,411
Cinematograph apparatus, A. Rosenberg, 691,493
Circuit making and breaking handle, R. E. Leve, 691,557
Clarifying fecal matters apparatus for, F. W. Dittler, 691,365
Clarinet, W. Melin, 691,646
Clothes rack, S. East, 691,368
Clutch, C. Johnson, 691,548
Clutch, friction, C. Riddlerhof, 691,488
Clutch, friction, C. Eblon, 691,567
Coaster brake, C. Glover, 691,541
Cook, gas fixture, J. D. Staggus, 691,502
Collar counting, registering and wrapping machine, C. S. Butdort, 691,435
Collar, horse, F. Maussner, 691,560
Collar sweat pad, horse, W. H. Osmer, 691,729
Column, compo cap for manted, E. S. Kennedy, 691,635
Columns, forming compo caps for, E. S. Kennedy, 691,704
Columns, mold for compo caps for manted, E. S. Kennedy, 691,636
Comb cleaner, H. Hess, 691,378
Composition of matter, H. A. Hughes, Jr., 691,383
Confectionery cutting machine, R. Suedden, 691,459
Controlling system, T. von Zweigbergk, 691,622
Cooker, steam, A. B. Hower, 691,380
Cooler. See Liquid cooler.
Cooling safe or chamber, R. Menz, 691,461
Cork disk cutting machine, R. S. Anderson, 691,432
Corn silking machine, J. L. Magee, 691,707
Cotton pin, R. S. Pickering, 691,593
Crushing machine, M. G. Bunnell, 691,583
Currents, apparatus for determining the frequency of alternating, H. S. Carr, 691,411
Curtain pole, A. M. H. Culp, 691,605
Cuspidor, O. L. Sues, 691,414
Cuspidor holder and cleaner, L. & J. Tessler, 691,415
Dental floss holder, A. Baumert, 691,581
Dental instrument case, A. J. & H. Aderer, 691,691
Derrick, C. A. Bills, 691,349
Derrick bar clip and link, W. H. B. Lavarak, 691,640
Die, A. Rogers, 691,666
Dish washer, A. Dierkes, 691,453
Display rack, adjustable, C. E. Perrin, 691,484
Displaying samples of carpet, etc., apparatus for, F. Ames, 691,431
Drabery hanger, C. Y. Whiter, 691,681
Drill, See Rock drill.
Drill, W. M. Potter, 691,486
Dry kiln, J. J. Curran, 691,606
Dust collector, O. Porbeck, 691,485
Dynamo from car axles, means for driving, J. L. Creveling (reissue), 11,961
Dynamo from car axles, means for driving, J. L. Creveling, 691,358
Egg opener, W. A. Kewick, 691,389
Elastic joint, C. La Dow, 691,571
Electric battery, de Dion & Bouton, 691,611
Electric cut-out, H. E. Leppert, 691,394
Electric signal, automatic, F. E. Weinel, 691,683
Electric traction, B. Cruvellier, 691,360
Electric traction system, C. M. J. (dit Claudius) Limb, 691,473
Electrical condensers, manufacture of, J. Costes, 691,600
Electrical condensers, manufacture of, E. Thomson, 691,675
Elevator car braking mechanism, O. M. Fritsch, 691,617
End gate fastener, W. B. Nichols et al., 691,480
Engine bearing and adjusting means therefore, C. Robinson, 691,490
Engine igniter, explosive, J. T. Metcalf, 691,561
Engine indicators, and for steam, C. B. Rosworth, 691,588
Engines, Electric heating device for explosive, J. M. Smith, 691,498
Engines, igniter controlling mechanism for explosive, J. Walrath, 691,509
Excelsior making machine, J. R. Bate, 691,523
Eyeglasses, L. F. Adt, 691,345
Fabric stiffening composition, J. D. Graber, 691,462
Fan, T. R. Weyant, 691,426
Fan or turn, rotary, C. Davidson, 691,639
Fare indicator, O. Kuntzen, 691,639
Fastenings, machine for inserting metallic, L. A. Casgrain, 691,354

"Star" Foot and Power Screw Cutting Lathes
Automatic Cross Feed
FOR FINE, ACCURATE WORK
Send for Catalogue B
SENECA FALLS MFG. CO.
695 Water Street, Seneca Falls, N. V., U. S. A.

Foot and Power and Turret Lathes, Planers, Shapers, and Drill Presses. SHEPARD LATHE CO., 133 W. 2d St., Cincinnati, O.

ENGINE & FOOT MACHINE SHOP OUTFITS. LATHES. SEBASTIAN LATHE CO., 120 CINCINNATI ST., CINCINNATI, O.

ROTARY PUMPS AND ENGINES. Their Origin and Development.—An important series of papers giving a historical resume of the rotary pump and engine from 1588 and illustrated with clear drawings showing the construction of various forms of pumps and engines. 38 illustrations. Contained in SUPPLEMENTS 1199, 1410, 1411. Price 10 cents each. For sale by Munn & Co. and all newsdealers.

THE HALL BRASS PIPE WRENCH. A PERFECT TOOL WITH FRICTION GRIP. Bushings for all sizes and shapes. Highly polished pipes made up without scar or injury. For Circulars and Prices WALWORTH MANUFACTURING CO., 128 to 136 FEDERAL ST., BOSTON, MASS.

A ROOF THAT IS WEATHERPROOF. Strong, cheap and eminently satisfactory in every respect can only be formed by Warren's Natural Asphalt Stone Surface Ready Roofing, made by an entirely new process. Comes in rolls containing 108 square feet. Has a 2-inch plain edge on one side, allowing a perfect joint to be made when applying. Particulars from Warren Chemical & Mfg. Co., 85 Fulton St., New York.

Patents, Trade Marks, COPYRIGHTS, etc., Address MUNN & CO., Solicitors of Patents. Office of the SCIENTIFIC AMERICAN 361 Broadway, New York. Branch Office: 625 F St., Washington, D. C. Hand-book Sent Free on Application.

THE ORIGINAL AND GENUINE Windsor Goods. Perfectly imitate linen. Are durable and keep white. They go to all parts of the Globe. Write for Catalog. We want Agents everywhere. MTD only by Windsor Collar & Cuff Co., Windsor, Conn.

Gas Engine IGNITER Complete with spark coil, \$12.00. The Best Thing on the market. Latest and most improved model. Send for circular. Carlisle & Finch Co., 233 E. Clifton Av., Cincinnati, O.

ARE YOU GOING TO BUILD? If so, you want the best and most economical system of heating. The Vance system will heat your house in zero weather to summer temperature with only 1/3 of the amount of coal required by other systems. We would like to have you investigate it before deciding. Our booklet giving full particulars with patrons' printed testimonials, sent free. VANCE BOILER WORKS, 13 Fay Street, Geneva, N. Y.

A FOLDING CAMERA.—WORKING Drawings showing how to build a folding camera. A practical paper by an amateur for amateurs. 4 illustrations. Contained in SUPPLEMENT 1021. Price 10 cents. For sale by Munn & Co. and all newsdealers.

"OLDS" GASOLINE ENGINES are remarkable for SIMPLICITY and ECONOMY Write for Prices. Olds Motor Works, 132 1/2 Jeff. Ave., Detroit, Mich.

TRUSCOTT MARINE MOTORS. The simplest, most powerful and highest speed gasoline engines of their class upon the market. Made single, double, and triple cylinder, both two and four cycle, ranging from 1 to 40 H. P. Catalog for the asking. Truscott Boat Mfg. Co., ST. JOSEPH, MICH.

Cash for REAL ESTATE no matter where it is. Send description and cash price and get my wonderfully successful plan. W. M. OSTRANDER, North American Bldg., Philadelphia, Pa.

BICYCLE TRICYCLE RUNABOUT AUTOMOBILE & LAUNCH WORLD'S RECORD. MOTORS \$50.00 UP UNQUESTIONABLY THE LARGEST AMERICAN MANUFACTURERS. E. R. THOMAS MOTOR CO. 100 BROADWAY, BUFFALO, N. Y.

- Faucet and valve, E. A. Pohlman, 691,569
Feed distributor, W. B. Campbell, 691,439
Feed regulating apparatus, automatic, G. Hooper, 691,627
Fence, D. L. M. Titsworth, 691,504
Fence, portable cable anchor, A. L. West, 691,425
File case, Hoffman & Mudge, 691,628
File or rasp cutting machine, J. Greene, 691,622
Filter, metallurgical, F. H. Long, 691,706
Filtering and regulating device, M. M. Brophy, 691,529
Fireproof floor, O. Hoff, 691,466
Fish plates in the process of manufacture, apparatus for cooling, E. B. Charlton, 691,480
Fishing boat, A. N. Paccotti, 691,487
Float, glass, J. M. Burr, 691,530
Floor covering, M. Barnett, 691,434
Flue cleaner, C. S. Goodfellow, 691,718
Fly wheel, C. Robinson, 691,491
Folding box, J. T. Ferris, 691,468
Friction brake, F. L. Whitmore, 6 16133
Fruit gatherer, J. D. Carter, 691,595
Fruit jar and cover, Donald & Bussey, 691,366
Fruit picking sack, E. Hartor, 691,376
Furnaces, apparatus for controlling iron in blast, L. Lincoln, 691,474
Furnaces, apparatus for supplying air to steam generator, C. Voet, 691,679
Furnaces of steam boilers, etc., draft apparatus for, J. W. Stock, 691,672
Garment stretcher, W. D. Ashworth, 691,573
Gas engine, C. Robinson, 691,480
Gas generator, acetylene, W. W. Cousins, 691,387
Gas governor, J. Zander, 691,429
Gate. See Road gate.
Gate, A. J. & W. H. Russell, 691,409
Gear for belted machines, driving, F. Frigerio, 691,538
Gearing, A. T. Brown, 691,591
Gearing, variable speed, C. Eblon, 691,508
Glass, apparatus for delivering molten, C. W. Foster, 691,371
Glass bottles, finishing mold for making, L. Grole, 691,463
Glove fastener, W. B. Murphy, 691,709
Grain drill distributor, C. E. Pathe, 691,483
Granite, artificial, M. Armu, 691,711
Guns, ammunition conveyor or rammer for, J. Becker, 691,584
Hair fastener, J. Lelock, 691,555
Handle fastener, L. Hermitan, 691,377
Hanger. See Drapery hanger.
Harrow, spike tooth, T. D. Jones, 691,388
Harrow tooth fastening, S. D. Poole, 691,600
Hat fastener, E. Hart, 691,624
Hat, miner's, A. Harris, 691,623
Hay distributor, N. C. Miller, 691,465
Hay loading apparatus, E. H. Nicholson, 691,639
Hay loading apparatus, F. S. Church, 691,714
Hay rack, F. E. Bright, 691,527
Hinge, J. C. Gillespie, 691,620
Hinge, spring, M. A. D. Kincaid, 691,551
Hog intestines, utilizing, P. F. Turner, 691,505
Hook and eye, F. H. Gorrell, 691,701
Horseshoe, T. F. Kenney, 691,300
Horseshoe, nailless, E. Oglin, 691,482
Horseshoes, device for altering the shape of, S. Janus, 691,385
Hose supporter, J. B. Cropper, 691,440
Hose thimble expander, H. W. Colby, 691,446
Hot air register, L. D. Smith, 691,733
Hub, J. C. Working, 691,735
Hydrocarbon motors, electromagnetic regulator for admission valves of, A. C. Krebs, 691,638
Indicator. See Fan indicator.
Inksand, J. L. Kosteretter, 691,721
Insulating conduit for conductors of electric tramways, P. C. Seguy, 691,495
Jacquard machine for driving mechanism, J. Deau, 691,362
Jar closure, R. H. Austin, 691,696
Jar or bottle closure, H. A. Hughes, Jr., 691,382
Joint. See Elastic joint.
Knitting machine splicing mechanism, F. Wilcomb, 691,686
Lamp, electric arc, S. H. Johnson, 691,549
Lamp or oil heater burners, wick stop for, W. A. Penfield, 691,710
Lamp socket, incandescent electric, A. McKenzie, 691,563
Latch, G. E. Ballard, 691,520
Lawn sprinkler, A. Vanlervoort, 691,419
Level, spirit, J. H. Jackson, 691,631
Lime-type machine, M. H. Whitaker, 691,685
Lithotypes, means for producing, fudor, late news, Elliott & Hollwell, 691,615
Liquid cooler, P. J. Doyle, 691,613
Liquid separator, C. J. Jeppesen, 691,469
Log turner, T. S. Wilkin, 691,517
Loom, W. Fischer, Jr., 691,370
Loom, H. Bardsley, 691,578
Loom, filling replenishing, J. C. Edwards, 691,456
Loom, filling replenishing, J. Northrop, 691,454
Loom, filling replenishing, N. Ward, 691,734
Loom pattern mechanism, Davenport & Bardsley, 691,608
Loom picker, pneumatic, J. von Miniszewski, 691,726
Loom shuttle, H. Bardsley, 691,577
Loom shuttle, Davenport & Bardsley, 691,607
Loom warp stop motion, J. V. & E. Cunningham, 691,533
Loom warp motion, lathecloth, Harrison & Holt, 691,375
Lubricating pump, J. F. McGinnis, 691,478
Lubricator, H. Ritter, 691,570
Lubricator, T. S. James, 691,632
Malt drum, F. Knittel, 691,471
Marker for agricultural machines, row, E. L. Block, 691,436
Marking pin, L. J. Davis, 691,361
Match box and cigar cutter, combined, E. H. Groke, 691,372
Material for construction, E. Thatcher, 691,416
Measuring instrument, electrical, F. A. La Roche, 691,393
Measuring tank and pump, F. L. Wiedburg, 691,515
Mechanical movement, E. A. Mangnet, 691,614
Moistening and applying gummed paper, device for, A. Hoffmann, 691,379
Mold. See Type mold.
Motion converting mechanism, J. H. Baker, 691,697
Motion, mechanical movement for converting, J. T. Watts, 691,511
Motive power, generating, R. Stenersen, 691,500
Motor, F. E. Wells, 691,424
Mower or reaper cutting apparatus, W. M. Goehrend, 691,461
Nailing machine, E. T. Froeman. (Reissue), 11,962
Nackle holder, Z. Guzik, 691,463
Net, dip, S. W. Higgins, 691,465
Observatory, balloon, J. Greth, 691,719
Ore crushing and pulverizing machinery, A. M. Bean, 691,582
Organ, C. Stollewerk, 691,501
Ornamental structures, device for forming, L. B. Christopherson, 691,598
Oven furnace hood, baker's, F. E. Thomas, 691,674
Packing compound for eggs, etc., J. M. Stukes, 691,413
Packing machine, C. O. Eriksen, 691,537
Packing, machine for cutting material into strips for the manufacture of piston, H. Dods, 691,612
Pail, lunch, P. Quarrelli, 691,662
Paper making machine, A. Aldrich, 691,572
Passe partout, T. K. Hastings, 691,544
Pasting machine, A. W. Foster, 691,700
Penholder, S. W. Durham, 691,614
Photographic shutter, J. O. Storer, 691,697
Photographic shutter, A. Wollensak, 691,589
Pick, etc., Mathias & Ray, 691,595
Pigment, C. D. Vreeland, 691,421, 691,423
Pigment and paint composition, C. D. Vreeland, 691,422
Pile, composite, E. Thacher, 691,418
Pile for wharves, etc., E. Thacher, 691,417
Pilot coupling and buffer, combined, Lewis & Selas, 691,472
Pipe coupling, A. Bar, 691,346
Pipe cutter, G. Mitchell, 691,649
Pipe fittings, manufacture of, C. A. Dies, 691,454
Pipe jointer, C. Vandall, 691,673
Plow, R. Herring, 691,464
Post securing device, W. Newman, 691,658
Preserving organic substances, A. Menzies, 691,402
Press for oleaginous substances, Zoller & Hayne, 691,430
Printer's galley, M. J. McHugh, 691,697