

Advertisements.

Inside Page, each insertion --- 75 cents a line.
Back Page, each insertion --- \$1.00 a line.
(About eight words to a line.)
Engravings may bear advertisements at the same rate per line, by measurement, as the letter press. Advertisements must be received at publication office as early as Thursday morning to appear in next issue.

Pump vacuum, H. Goebel	252,658
Punching machine feeding device, F. Margraff	252,786
Quartz crusher, A. Oliver	252,792
Railway switch, A. E. McDonald	252,684
Reaping machine, J. Harris	252,764
Refrigerating apparatus, J. T. Reed	252,632
Refrigerating apparatus, dynamic dry air, E. Hill	252,766
Refrigerator, J. McMurtry	252,413
Regulator. See Pressure regulator.	
Reservoir, portable distributing, D. R. Miller	252,690
Ring. See Earrings.	
Road engine, H. H. Bridenthal	252,720
Roller mill, C. Gates	252,755
Rotary steam engine, Hyden & Larson	252,773
Saw mill, circular, C. J. L. Meyer	252,689
Saws, machine for brazing band, J. F. Komp	252,605
Scale platform support, W. E. Sellock	252,627
Scraper, foot, R. B. Hough	252,669
Screw cutting die stocks, pipe cutting attachment for, A. H. Jarecki	252,671
Screw wrench, J. H. & F. L. Coes	252,597
Seams of sheet metal cans, closing the, G. H. Perkins	252,795
Separator. See Grain separator.	
Sewing machine work basket, J. L. Parkinson	252,695
Shaft coupling, J. H. Riddle	252,700
Sheller. See Corn sheller.	
Shoe, G. H. Bass	252,715
Shovel. See Snow shovel.	
Shutter worker, T. N. Lupton	252,784
Sign, E. Grah (r)	10,014
Signal for railway and other purposes, Wilbur & Sanford	252,827
Sinker and fish hook holder, combined, S. E. Smith	252,628
Smoke stack and spark arrester, W. F. Cosgrove (r)	10,013
Snap hook, A. Bernd	252,832
Snow plow, N. Witts	252,639
Snow shovel, C. A. Way	252,822
Soap slotting machine, J. Atkins	252,711
Soldering cans, flat seam knife for use in, R. Neil	252,845
Sole and heel protector, comb'd in, W. T. Schenck	252,826
Spinning machine thread guard, E. S. Stimpson	252,814
Spring. See Bed bottom spring. Vehicle spring. Wagon bolster spring. Watch click spring.	
Spring, R. A. McLean	252,686
Staples, machine for inserting and clinching, G. W. McGill	252,841
Steam and air engine, combined, E. M. Strange	252,630
Steam boiler, T. McDonough	252,788
Steam boiler, W. R. Michener	252,848
Steel for watch springs, preparing, Watton & Willson	252,635
Stereotype plate holder, A. Overend	252,694
Stone, apparatus or means for turning or shaping, Brunton & Trier	252,728
Stone dressing machinery, Brunton & Trier	252,724
Stone, turning or shaping, Brunton & Trier	252,726
Straw stacking machine, M. T. Reeves	252,623
Sugar centrifugal machine, S. M. Lillie	252,783
Sugar mill, C. G. Johnson	252,774
Swinging and sliding gate, M. F. Caltrider	252,596
Switch. See Railway switch.	
Table. See Ironing table.	
Telegraphic cables, vulcanizing India-rubber and gutta percha coverings and coatings of, H. A. Clark	252,739
Telegraphic signal boxes, automatic time recorder for, H. W. Pope	252,798
Telephone compound, G. L. Anders	252,641
Telephone transmitter, Bartlett & Waite	252,714
Thrashing machine straw carrier, P. Philippi	252,620
Toy money box, Kyser & Rex	252,607
Toy scales, Kyser & Rex	252,608
Trap. See Animal trap.	
Valve. See Water closet cistern valve.	
Valve for faucets, self-closing, J. E. Mooney	252,790
Valve gear, steam engine, E. Dugar	252,651
Valve operating mechanism, L. C. Lugmayr	252,683
Vapor burner, F. W. Swetnam	252,631
Vehicle spring, J. W. Wetmore	252,825
Vegetable cutter, G. H. Backmire	252,713
Vegetable slicing machine, J. W. Anderson	252,595
Violin, N. B. Dennys	252,744
Voltaic battery, A. F. W. Partz	252,619
Wagon bolster spring, J. W. Wetmore	252,824
Washer. See Ore washer.	
Watch clickspring, A. L. G. Buys	252,645
Watch stem winding, C. W. Grosche	252,761
Water closet cistern valve, W. S. Carr	252,734
Water gauge, J. Cook	252,648
Wheel. See Car wheel.	
Whip and rein holder, combined, H. Bunch	252,729
Windmill motor, B. Chamberlain	252,737
Windmill, B. Chamberlain	252,835
Window glass fastener, T. Tanner	252,707
Window shade, H. B. S. Norman (r)	10,015
Wire, drawing, C. O. Thompson	252,816
Wire, manufacturing barbed, Dodge & Washburn	252,746
Wrench. See Screw wrench.	

DESIGNS.

Cloth, ornamenting, D. C. Sumner	12,707 to 12,710
Stove, cooking, O. B. Keeley	12,706
Tea tray, W. M. Conger	12,701 to 12,705

TRADE MARKS.

Augers and auger bits, F. F. Tennis et al.	9,047
Brandy, Cazade, Crooks & Reynaud	9,043
Mustard and other kinds of spices, H. F. A. Pinckney & Co.	9,045
Overalls, H. Bernheim	9,041
Stove enamel, B. D. Milliken	9,044
Tackle blocks, Penfield Block Company	9,042
Thread, Clark Thread Company	9,056
Toilet preparation, certain, H. K. & F. B. Thurber & Co.	9,046
Wine, claret, Eschenauer & Co.	9,037 to 9,040

English Patents Issued to Americans.

From January 17 to January 20, 1882, inclusive.

Drain pipe machinery, Mrs. Mary E. Pigeon, Saugerties, N. Y.	
Dynamo-electric machine, C. A. Hussey et al., N. Y.	
Electric lighting apparatus, J. S. Williams, Riverton, N. J.	
Electric lighting apparatus, J. S. Williams, Riverton, N. J.	
Gas burner, J. H. Smith, Buffalo, N. Y.	
Gun, D. M. McFord, Toledo, O.	
Mill, grinding, H. A. Duc, Jr., Charleston, S. C.	
Ore, machinery for reducing, J. Taylor, New York city.	
Permutation lock, G. M. Hathaway, Jersey City, N. J.	
Pneumatic brake, G. Westinghouse, Jr., Pittsburg, Pa.	
Pump, C. W. Cooper, New York city.	
Sewing machine, D. H. Campbell, Pawtucket, R. I.	
Ships' cargoes, unloading, C. B. Meserole, New Rochelle, N. Y.	
Spring bed bottom, E. T. Slayton, St. Paul, Minn.	
Steam boiler furnace, G. H. Watson, St. Louis, Mo.	
Steam pumping engine, W. D. Hooker, St. Louis, Mo.	
Stove, Detroit Stove Works Company, Detroit, Mich.	

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Gents:—The Aluminum Gold Watch I purchased from your firm three months ago retains its color as brilliant as when first received. I delayed sending my second order because I wished to test the metal. I can now conscientiously recommend them. I enclose \$10.00 for one more Aluminum Gold Watch, same as the first. M. M. Watts, Hawthorn, Fla., Nov. 2d, 1881.

Gents:—The second lot of \$10.00 Aluminum Gold Watches received all right. I enclose Money Order for five Stem Wind Aluminum Gold Watches, and other watches and goods from your Catalogue. Forward at once and oblige, George P. Wilson, Grand Forks, Dakota, Oct. 30th, 1881.

Send money by Post Office Money Order, or Registered Letter. We will send the watch C. O. D. if two Dollars is sent on account the balance can be paid at the Express Office when the watch is delivered. Let us hear from you with an order.

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