(75) J. & J. T. say, in reply to J. C. & Co., as to the inclination of a bolting reel: At the Millers' National Convention in St. Louis, Mo., June, 1874, we learned that a fall of 1 in 48 always gave the best results.

S. A. T. asks: How can I make a fugitive ink that will disappear in two days after being written?—T. C. H. asks: How can I make an easily flowing ink for drawing on zinc plates, so as afterwards to etch the drawings with muriatic acid?—E. P. M. asks: How can I tan and color beaver skins?—L. M. asks: 1. Can you give me a good rule for getting the length of a carriage axle from shoulder to shoulder before welding, supposing the hub of the wheels to be 6½ inches long, and the track of the wheels 4 feet 7 inches? 2. Please give me a rule for setting axles.—J. F. E. asks: What is put in soap to keep it from shrinking in drying?

COMMUNICATIONS RECEIVED.

The Editor of the SCIENTIFIC AMERICAN acknowledges, with much pleasure, the receipt of original papers and contributions upon the following subjects:

On the Generation of the Wicked. By T. W. C., and by A. S.
On the Sagacity of the Partridge. By J. K.
On Glue as a Healing Remedy. By J. J. B.
On Honey. By A. L. F.
On Amalgamating the Precious Metals. By J.T.
On a Mammoth Skeleton. By A. R.
On a Lunar Phenomenon. By H. M. S.
On the New Rule at the Patent Office. By J.McC.
On the Slide Valve. By J. T. H.
On Squaring Numbers. By E. T.
On Spiritualism. By F. H. R.
On Small Steam Engines. By W. C. D.
On a Mathematical Fact. By E. H. W.
On the Human Will. By W. L. S.

Also enquiries and answers from the following:

M. G. L.—E. W.—T., F & Co.—J. K.—J.G. T.—T. R.—A. E. O.—J. T. H.—S. T. J.—J. E.B.—F. H. W.—A. A. F.—C. C. C.—D. B.—G. W. H.—C. E. M.—J.K.—J. C. R.—G. C.—C. F. B.—J. C.—R. W. J.—J. B.—T. K. B.

HINTS TO CORRESPONDENTS.

Correspondents whose inquiries fail to appear should repeat them. If not then published, they may conclude that, for good reasons, the Editor declines them. The address of the writer should always be given.

Enquiries relating to patents, or to the patentability of inventions, assignments, etc., will not be published here. All such questions, when initials only are given, are thrown into the waste basket, as it would fill half of our paper to print them all; but we generally take pleasure in answering briefly by mail, if the writer's address is given.

Hundreds of enquiries analogous to the following are sent: "Who publishes books on dressing and coloring furs, and on bleaching wool? Who sells magnesia and chloride of magnesium? Who makes machines for cutting thin stuff off round logs while the latter revolve? Who sells the best steamer for laundry purposes? Who makes steel castings? Who sells the best gage cocks, etc.? Are there glass-lined iron pipes in the market? Who makes engines suitable for boats 4 feet long?" All such personal inquiries are printed, as will be observed, in the column of "Business and Personal," which is specially set apart for that purpose, subject to the charge mentioned at the head of that column. Almost any desired information can in this way be expeditiously obtained.

[OFFICIAL.]

INDEX OF INVENTIONS

FOR WHICH

Letters Patent of the United States were Granted in the Week ending

February 16, 1875,

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

Advertising apparatus, T. E. Allison ... 159,881
Alarm and stamp, conductor's, L. J. Masterson. 159,765
Amalgamator, L Hinckley ... 159,759
Annunciator, electric, Carter and Hewitt ... 159,901
Bale tie, A. A. Goldsmith ... 159,815
Ballot box, F. W. Brooks ... 159,890
Bank check, C. V. Mead ... 159,883
Barrel roller, C. L. Topliff ... 159,864
Bed bottom, spring, J. A. Jones ... 159,930
Bedstead, folding, P. B. Viele ... 159,780
Bedstead, wardrobe, H. W. Curtis ... 159,908
Bee hive, J. Bullock ... 159,893
Bill file, W. R. Clough ... 159,796
Bird house, E. A. La Bay ... 159,938
Boiler, wash, A. Becker ... 159,745
Bolt work for safe doors, etc., W. H. Butler ... 159,791
Bolts, manufacture of, W. J. Clark (r) ... 6,291
Bolts, tool for pointing, Hartin and Cummins ... 159,922
Boot stiffeners, shaping, J. R. Moffitt ... 159,835
Box, register pepper, T. W. Burger ... 159,895
Brick machine, T. T. Joyce ... 159,931
Bricks, machine for dusting, J. N. Kerper ... 159,934
Broom, G. R. Swingle ... 159,861
Broom head, E. J. Merick ... 159,954
Bullet patching machine, H. Borchardt ... 159,748
Bustle, L. Conigisky ... 159,799
Butter, packages for prints of, A. Robinson ... 159,845
Can opener, J. H. Murphy ... 159,767
Cans, nozzle for, R. T. Bush ... 159,896
Canopy frame, R. F. S. Heath ... 159,925
Caraxle box, C. A. Hussey ... 159,824
Car coupling, B. B. Sherfy ... 159,850
Car coupling, J. B. Stamour ... 159,974
Car coupling, W. F. Starr ... 159,975
Car coupling, G. M. Thompson ... 159,862
Car pusher, Bird and Sullenberger ... 159,787
Car spring, A. J. Culbertson ... 159,802
Car starter, J. C. Moore ... 159,766
Cars, etc., propelling street, Trible & Davis ... 159,980
Carding machine doffer, J. Barker ... 159,742
Carding machine feed, G. S. Harwood ... 159,923
Carriage, child's, F. L. Hughes ... 159,761
Carriage curtain fastening, H. Foster ... 159,809
Carriage seat, D. Conboy ... 159,798
Carriage shackles, manufacturing, A. McKenzie. 159,950
Cartridge case, metallic, T. R. Bayliss ... 159,883
Carts, etc., unloading, Crossley & Bertolette ... 159,907
Casting scale levers, T. Olsen ... 159,957
Chair, W. T. Doremus ... 159,806
Chair, child's walking, G. P. Steinbach ... 159,976
Chuck, scroll, J. H. Westcott ... 159,989
Churn, J. L. Wilson ... 159,878
Cigar box, S. Jacoby ... 159,825
Cigar packing implement, S. Jacoby ... 159,929
Clothes dryer, C. Howes ... 159,823
Clothes wringer, P. N. Wollston ... 159,996
Cock, gage, I. S. Hamilton ... 159,920
Cock or valve, Heale and Gowan ... 159,924
Cock, self-closing hopper, H. Carruthers ... 159,900
Cock, stop, W. H. Beckett ... 159,746
Compound implement, E. L. Price ... 159,841
Copper, etc., refining, S. L. Crocker ... 159,801
Corn cutter, green, V. Barker ... 159,741
Corn sheller, W. S. Broyles ... 159,789
Cornice, window curtain, J. Sowle ... 159,774
Corset, D. H. Fanning ... 159,753
Cranberry separator, D. T. Staniford ... 159,853
Culinary vessel, steam, S. T. Goodwyn ... 159,755
Cultivator, J. H. Rice ... 159,842
Curtain fixture, G. C. Mathers ... 159,944
Dash board, C. C. Schwaner ... 159,848
Dental reflector, F. M. Osborn ... 159,836
Deodorizer for bed vessels, H. M. Small ... 159,773
Drag, W. Gardner ... 159,811
Drawing board, J. B. Webb ... 159,870
Drill, rock, H. P. Bell ... 159,885
Drill, rock, S. Ingersoll (r) ... 6,293
Drilling machine, rock, S. Ingersoll (r) ... 6,292
Drop light, J. C. Love ... 159,941
Dryer for refined sugar, A. F. W. Partz ... 159,769
Ejector, fluid, A. A. Atkins ... 159,739
Elevator, hydraulic, W. B. Le Van ... 159,829
Engine, compound, J. W. Bell ... 159,786
Engine valve gear, steam, G. Westinghouse, Jr. ... 159,782
Engines, lubricator for steam, J. Powell ... 159,962
Eyeleting machine, J. Coombe ... 159,904
Faucet, A. Pfund ... 159,960
Faucet, T. Tully ... 159,981
Fence, portable, T. McQuary ... 159,952
File cutting machine, S. and S. M. Hamblin ... 159,756
Fire escape, J. J. F. and J. Arnao, Jr. ... 159,738
Flower maker's cutting machine, T. & J. Millot (r) 6,297
Flower pots and vases, stand for, E. G. Durant ... 159,911
Fork sharpening attachment, Church & Gilbert ... 159,794
Fountain, parlor, H. Wenzel ... 159,872
Fruit gatherer, C. A. Werden ... 159,873
Furnace, hot air, D. Boyd (r) ... 6,290
Furnace, hot air, J. G. Weldon (r) ... 6,294
Furnace, smoke-consuming, W. L. Powleson ... 159,964
Furnace, steam boiler, H. E. Champion ... 159,902
Game apparatus, V. Klobassa ... 159,937
Garment, knitted, N. H. Bruce ... 159,891
Gas retort, W. W. Goodwin ... 159,816
Generators, joint for steam, H. Whittingham ... 159,992
Governor, steam, M. Muchin ... 159,955
Grate, J. C. Weightman ... 159,871
Harness, G. W. Hoover ... 159,927
Harness shaft tug, T. E. Webber ... 159,781
Harvester, W. A. Wood ... 159,879
Harvester, corn, W. N. West ... 159,990
Harvester dropper, C. Wheeler, Jr. ... 159,875
Harvester journal bearing, E. F. Herrington ... 159,758
Harvester rake, V. H. Felt ... 159,808
Harvester rake, J. H. Kirton ... 159,936
Harvester sickle head, M. M. Shellaberger ... 159,970
Hat frames, etc., binding, R. F. S. Heath ... 159,926
Hat, reversible, L. Girbardt ... 159,916
Hats, machine for pouncing, R. Eickemeyer ... 159,912
Heater, M. H. Roberts ... 159,844
Heating drum, F. Proudfoot ... 159,966
Hog-ringing nippers, W. E. Bingham ... 159,886
Hoof trimmer, Shirran & Givens ... 159,972
Horseshoe calks, sharpening, Gleason & Hamilton 159,918
Horseshoe machine, H. J Batchelder ... 159,743
Hubs to axles, attaching, D. A. Johnson ... 159,762
Hydrocarbons, burning, O. T. Earle ... 159,751
Iron, roll for rolling angle, Swift & York ... 159,978
Kettle, tea, H. Gray ... 159,817
Knitting machine, E. P. Curtiss ... 159,750
Lamp, bracket, C. V. Best ... 159,747
Lamp holder, J. C. Love ... 159,942
Lamp shade support, S. A. Prescott ... 159,965
Lantern, ship's, F. J. Kenny ... 159,933
Leather strap skiving machine, A. G. Howard ... 159,822
Lightning rod, M. D. Phelps ... 159,961
Liquids, cooling, L. B. Woolfolk ... 159,997
Loom for weaving plied fabrics, S. Sanford ... 159,847
Loom shuttle, P. Lear ... 159,764
Loom stop, J. Bullough ... 159,983, 159,984, 159,985, 159,986
Mechanical movement, D. Williamson ... 159,877
Metals, bit for boring, W. McCrosson ... 159,948
Milk cooling apparatus, O. J. Stickles ... 159,854
Molder's flask, N. M. Chafee ... 159,793
Mowing machine, E. C. Dewers ... 159,804
Nail kegs, manufacture of, S. F. Maxwell ... 159,945
Nail machine, cut, J. T. Westwood ... 159,783
Nail plate feeder, D. W. Keith ... 159,932
Neck tie, W. H. Hart, Jr. ... 159,921
Needles, grooving, R. Thompson ... 159,863
Oil cloth, etc., drying, A. Wilder ... 159,876
Oil, treating, V. G. Bloede ... 159,887
Ordnance, construction of, R. R. Moffatt ... 159,834
Ore, flux for treating, P. N. Mackay ... 159,831
Ornaments, etc., holder for, W. J. Garvey ... 159,813
Padlock, etc., J. Schade ... 159,772
Pail, O. S. Camp ... 159,792
Pails, etc., metallic lip for, S. C. D. Kirtley ... 159,935
Peg or ribbon peg wood, B. F. Sturtevant ... 159,778
Peg or sole fastening, C. & J. G. Rowland (r) ... 6,298
Peg or sole fastening, B. F. Sturtevant ... 159,977
Peg strips, machine for, C. & J. G. Rowland, (r) ... 6,299
Peg wood, ribbon, B. F. Sturtevant ... 159,860
Pegging machines, B. F. Sturtevant ... 159,775, 159,776
... 159,856, 159,857, 159,858
Photograph plates, burnishing, J. Bramble Jr. ... 159,887
Pianos, repeating action for, F. Polster ... 159,838
Pigeon starter, H. A. Rosenthal ... 159,846
Pin, Gardner & Blossom ... 159,810
Plane, block, J. A. Traut ... 159,865
Planter, corn, Lawrence & Thomas ... 159,939
Planter, corn, A. M. Manny ... 159,832
Planter, seed, E. M. Potter ... 159,840
Plow, C. G. Cox ... 159,905
Plow, A. Rigby ... 159,967
Plow adjuster, S. T. Ferguson ... 159,913
Plows, sulky attachment to, G. Van Winkle ... 159,779
Printing press, W. E. Gump ... 159,819
Printing press delivery, Mayall & Harnett ... 159,947
Puddler, revolving, W. & G. H. Sellers ... 159,849
Pulley block, differential, B. F. Warren ... 159,987
Quilting machine, A. Beck ... 159,884
Railway frog, W. L. Lamborn ... 159,763
Rake, garden, F. B. Hedge ... 159,8
Reflector, G. Rosenthal ... 159,969
Refrigerator, J. H. Ridgway ... 159,843
River jetties, construction of, Mullett & Schumann 159,956
Roll couplings, binder for, J. Gillespie ... 159,814
Roller, anti-friction, E. Gerry ... 159,754
Roller, land, W. Williams ... 159,784
Ruffler, E. Powell ... 159,963
Safe deposit box, W. H. Butler ... 159,897
Sandpapering machine, H. W. Merrill ... 159,953
Sash fastener, G. B. Adams ... 159,880
Sash fastener, J. N. Withers ... 159,994
Saw frame, band, N. T. Edson ... 159,807
Saw set, J. B. Titus ... 159,979
Sewing machine, J. O'Neil ... 159,958
Sewing machine, boot, H. Dunham, Jr., (r) ... 6,295
Sewing machine, button hole, S. J. Baird ... 159,740
Sewing machine, sock, H. P. Garland ... 159,812
Shaft hanger, D. Dierker ... 159,909
Shawl strap handle, Bruen & Gridley ... 159,892
Sheep, holder for shearing, J. R. Virgo ... 159,868
Sheet metal lids, soldering, G. H. Chinnock ... 159,903
Shell, explosive, H. Tyler ... 159,982
Shingle planing machine, P. D. Burgher ... 159,790
Ships, mechanism for trimming, J. McNabb ... 159,951
Shoe nails, machine for making, L. Soule ... 159,852
Shoe peg blank, B. F. Sturtevant (r) ... 6,300
Shoe tip, H. White ... 159,991
Slate frame, N. A. Porter ... 159,839
Snow plow, Twitchell & Parsons ... 159,866
Soda water draft apparatus, W. Gee ... 159,915
Sole fastening, B. F. Sturtevant ... 159,777
Sole fastenings, compressing, B. F. Sturtevant ... 159,859
Spirit level, E. L. Barnes ... 159,882
Spring, door, A. T. Ballantine ... 159,785
Steering apparatus, P. H. Jackson ... 159,826
Stereotypes, shaving backs of, Mayall & Hartnett ... 159,946
Stool and cane, combined camp, F. A. Byram ... 159,898
Stool, camp, A. W. Hart ... 159,757
Stoops, winter rail for high, R. Lo Forte ... 159,830
Stove, L. R. Comstock ... 159,797
Stove, Gram & Nelson ... 159,919
Stove, cooking, E. O. Brinckerhoff ... 159,788
Stove drum, W. Boehmer ... 159,888
Stove, heating, J. H. Robinson ... 159,968
Street sprinkler, W. Westerfield ... 159,874
Stump puller, C. C. Hogue ... 159,760
Sugar-coating pills, etc., W. Cairns ... 159,899
Sugar, dryer for refined, A. F. W. Partz ... 159,769
Sugar, making grape, E. E. Pearse ... 159,837
Table for milliners, etc., lap, J. Duncan ... 159,910
Table, ironing, G. K. Edwards ... 159,752
Telegraph sounder, J. H. Bunnell ... 159,894
Telegraph sending and receiving, M. G. Farmer (r) 6,296
Telegraphic signal box, W. H. Sawyer ... 159,771
Textile material, piling, A. Warth ... 159,988
Ticket reel, L. J. Masterson ... 159,943
Timber, flume for conveying, H. G. Parker ... 159,859
Torpedo-filling machine, Wolfe & Lilliendahl ... 159,995
Toy, A. E. Hotchkiss ... 159,928
Tyre-heating device, J. Harris, Jr. ... 159,820
Vegetable slicer, A Vuillier ... 159,869
Vehicle umbrella support, A. Clarke ... 159,795
Vehicle wheel, D. Grim ... 159,818
Vehicle wheel, G. Leverich ... 159,940
Vehicle wheel spoke socket, M. Glassbrook ... 159,917
Velocipede, W. Quinn ... 159,770
Ventilator, window, S. W. Couch ... 159,800
Wagon body, C. W. Kinne ... 159,828
Washing machine, D. A. Flummerfeldt ... 159,914
Washing machine, James & Streit ... 159,827
Washing machine, Shipley & Wheeler ... 159,971
Washing machine, T. Stumm ... 159,855
Watch case backs, forming, F. H. Wilby ... 159,993
Water closet, W. J. Crow ... 159,906
Weather strip for windows, S. T. Varian ... 159,867
Wedge, iron, C. McDermott ... 159,949
Wells, tubing, W. T. Dobbs ... 159,805
Whiffletree hook, O. J. Smith ... 159,851
Windmill governor, W. L. Oliver ... 159,768
Window shade fixture, C. De Quillfeldt ... 159,803
Window ventilator, S. W. Couch ... 159,800
Window weather strip, S. T. Varian ... 159,867
Windows, quadrant for opening, J. E. Beanland ... 159,744
Wire way, A. A. Smith ... 159,973
Wood boring machine, C. G. Cross ... 159,749

DESIGNS PATENTED.

8,057.—BRACKET.—N. L. Bradley, West Meriden, Conn.
8,058 to 8,061.—AQUARIUMS.—J. W. Fiske, New York city.
8,062.—CARPET.—A. Redfern, Philadelphia, Pa.
8,063.—SPICE CAN.—Z. R. Traver, Detroit, Mich.
8,064.—BOTTLES.—F. S. Upton, Rochester, N. Y.
8,065.—GAS FIRE LOG.—T. N. Dixon, Philadelphia, Pa.
8,066.—ALTO RELIEVO.—W. B. Gleason, Boston, Mass.
8,067.—HANDLE SOCKET.—J. R. Mackay, W. Meriden, Ct.
8,068.—CIGAR BOX.—M. Moll, New York city.
8,069.—FORK HANDLE.—C. Osborne, N. Attleboro, Mass.

TRADE MARKS REGISTERED.

2,228.—CIGARS.—F. De Bary & Co., New York city.
2,229.—SALVES.—C Heinrich, Plainfield, N. J.
2,230.—MUSTARDS.—Jewett & Co., Milwaukee, Wis.
2,231.—MEDICINE.—J. Kaiser, Pittsburgh, Pa.
2,232 to 2,236.—CLOCKS.—F. Kroeber, Hoboken, N. J.
2,237.—CIGARS.—Lichtenstein & Co., New York city.
2,238.—MEDICINE.—E. G. Lewis, Pittsylvania county, Va
2,239.—PACKING.—W. H. Miller, Philadelphia, Pa.
2,240.—CIGARS, ETC.—G. Solomon, New York city.
2,241.—CIGARS.—J. M. Seip, Allentown, Pa.
2,242.—FERTILIZERS.—Walton & Co., Wilmington, Del.
2,243.—RAT POISON, ETC.—E. S. Wells, Jersey City, N. J.
2,244.—SUGARS.—Woods & Co., Baltimore, Md.
2,245.—SEWING SILK.—Brainerd & Co., New York city.
2,246.—BATHING POWDERS.—F. Rauchfuss, New York city.

SCHEDULE OF PATENT FEES.

On each Caveat ... $10
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On application for Reissue ... $30
On filing a Disclaimer ... $10
On an application for Design (3½ years) ... $10
On application for Design (7 years) ... $15
On application for Design (14 years) ... $30

CANADIAN PATENTS.

LIST OF PATENTS GRANTED IN CANADA, FEBRUARY 12 to 24, 1875.

4,389.—A. Willson and E. M. Law, Bell Ewart, Ont. Car coupling. Feb. 12, 1875.
4,390.—Jas. Laing, Dundee, Scotland. Overhead sewing machine. Feb. 15, 1875.
4,391.—F. C. Porter, Buffalo, N. Y., U. S. Folding table. Feb. 15, 1875.
4,392.—C. W. Selinas *et al.*, Montpelier, Vt. Door spring. Feb. 16, 1875.
4,393.—J. T. B. Bennett, Birmingham, England. Making coke and gas. Feb. 16, 1875.
4,394.—J. C. Tilton, Pittsburgh, Pa., U. S. Wash boiler. Feb. 16, 1875.
4,395.—J. Carpenter, Mariners' Harbor, Northfield, N. Y., U. S. Wagon spring. Feb. 16, 1875.
4,396.—T. Shaw, Philadelphia, Pa., U. S. Steam, air, and hydraulic seated valve. Feb. 16, 1875.
4,397.—H. Harris, Seaforth, Ont. Stove pipe damper. Feb. 16, 1875.
4,398.—B. Arnold, East Greenwich, R. I., U. S. Netting machine. Feb. 16, 1875.
4,399.—Wm. Adamson *et al.*, Philadelphia, Pa., U. S. Making starch and fermented liquors. Feb. 17, 1875.
4,400.—L. H. Young, St. John, N. B. Punching machine. Feb. 18, 1875.
4,401.—S. Dobbs *et al.*, Rochester, N. Y., U. S. Picture frame hanger. Feb. 18, 1875.
4,402.—I. F. Williams, Bristol, R. I., U. S. Rubber boot. Feb. 20, 1875.
4,403.—F. Kent, Hamilton, Ont. Tyre tightener. Feb 20, 1875.
4,404.—J. B. Larkin, Pittsburgh, Pa., U. S. Grate and grate bar. Feb. 20, 1875.
4,405.—E. R. Whitney, Magog, P. Q. Hay loader. Feb. 20, 1875.
4,406.—N. Dubrul, Cincinnati, Ohio, U. S. Cigar mold. Feb. 20, 1875.
4,407.—T. DeCodejo, New York city, N. Y., U. S. Smoke and spark conveyer. Feb. 20, 1875.
4,408.—I. F. Williams, Bristol, R. I., U. S. Lasts for boots. Feb, 20, 1875.
4,409.—S. L. Wiegand, Philadelphia, Pa., U. S. Grate bar, etc. Feb. 20, 1875.
4,410.—T. Irwin, Hamilton, Ont. Hot air furnace. Feb. 20, 1875.
4,411.—Wm. Stephenson, Acton, Ont. Tempering oven. Feb. 20, 1875.
4,412.—E. Hambujer, Detroit, Mich., U. S. Rocking chair and cradle. Feb. 22, 1875.
4,413.—J. Grist, Jr., Ottawa, Ont. Mirror plate and mirror. Feb. 22, 1875.
4,414.—J. M. Bruce, West Townsend, Mass., U. S., *et al.*, Street lantern. Feb. 22, 1875.
4,415.—J. M. Brosius *et al.*, Richmond, Va., U. S. Car axle box. Feb. 22, 1875.
4,416.—J. L. Fralick, Picton, Ont., *et al.* Tyre upsetting machine. Feb. 22, 1875.
4,417.—D. S. Cornell, Warwick, Ont., *et al.* Hand straw cutter. Feb. 23, 1875.
4,418.—A. Rodgers, Muskegon, Mich., U. S. Circular saw carriage. Feb. 23, 1875.
4,419.—T. Penton, Sarnia, Ont. Combined cooking stove heater, and engine. Feb. 23, 1875.
4,420.—L. M. Becker, Peckham, England. Sewing machine. Feb. 23, 1875.
4,421.—B. Waggoner, Reach, Ont. Gang plow. Feb. 23, 1875.
4,422.—B. Waggoner, Reach, Ont. Iron neck yoke. Feb. 23, 1875.
4,423.—J. F. Williams, Niagara, Ont. Boot latchetloop. Feb. 23, 1875.
4,424.—J. H. Osgood, Boston, Mass., U. S. Inking roller composition. Feb. 24, 1875.
4,425.—F. L. Bates, Carrolton, Miss., U. S. Nut lock. Feb. 24, 1875.
4,426.—E. R. Powell, Winooski, Vt., U. S., *et al.* Wheel harrow and grain coverer. Feb. 24, 1875.
4,427.—Wm. J. Garton, Toronto, Ont. Wax thread heating machine. Feb. 24, 1875.
4,428.—M. Hutchinson, Norfolk, N. Y., U. S. Heating drum. Feb. 24, 1875.
4,429.—A. Rodgers, Muskegon, Mich., U. S. Gang saw mill. Feb. 24, 1875.

Advertisements.

Back Page - - - - - - - $1.00 a line.
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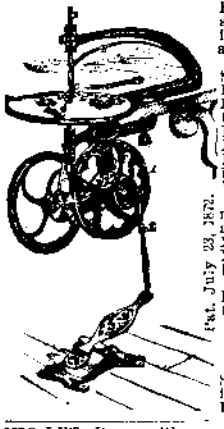

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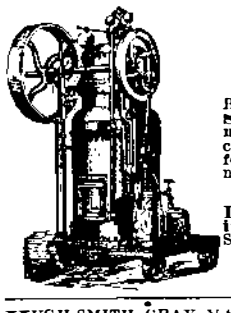

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