

(75) J. & J. T. say, in reply to J. C. & Co., as to the inclination of a bolting reel...

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...

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 communications 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.—D. B.—G. W. H.—C. E. M.—J. K.—J. C. R.—G. 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Enquiries relating to patents, or to the patentability of inventions, assignments, etc., will not be published here.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.?"

[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.

Table listing inventions granted in February 1875, such as Advertising apparatus, Alarm and stamp, Amalgamator, etc., with corresponding patent numbers.

Table listing inventions granted in February 1875, such as Carriage curtain fastening, Carriage seat, Carriage shackles, etc., with corresponding patent numbers.

Table listing inventions granted in February 1875, such as Reflector, Refrigerator, River jetties, Roll couplings, Roller, anti-friction, etc., with corresponding patent numbers.

DESIGNS PATENTED.

Table listing designs patented in February 1875, such as 8,057.—BRACKET, 8,058.—AQUARIUMS, 8,062.—CARPET, etc.

TRADE MARKS REGISTERED.

Table listing registered trade marks in February 1875, such as 2,228.—CIGARS, 2,229.—SALVES, 2,230.—MUSTARDS, etc.

SCHEDULE OF PATENT FEES.

Table detailing patent fees, such as On each caveat \$10, On each Trade mark \$25, On filing each application for a Patent (17 years) \$15, etc.

CANADIAN PATENTS.

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

Table listing Canadian patents granted in February 1875, such as 4,389.—A. Willson and E. M. Law, Bell Ewart, Ont., Car coupling, Feb. 12, 1875.

Table listing patents granted in February 1875, such as 4,392.—C. W. Selinas et al., Montpelier, Vt., Door spring, Feb. 16, 1875; 4,393.—J. T. 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. Hamburger, 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 latch loop, Feb. 23, 1875; 4,424.—J. H. Osgood, Boston, Mass., U. S., Inking roller composition, Feb. 24, 1875; 4,425.—F. L. Bates, Carrollton, 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. 21, 1875.

Advertisements.

Back Page ----- \$100 a line. Inside Page ----- 75 cents a line. Engravings may head advertisements at the same rate per line, by measurement, as the letter press. Advertisements must be received at publication office as early as Friday morning to appear in next issue.

Fleetwood Scroll Saw.

Advertisement for Fleetwood Scroll Saw, including an illustration of the saw and text describing its features and availability.

THE Shapley Engine.

Advertisement for The Shapley Engine, including an illustration of the engine and text describing its features and availability.

HUGH SMITH, GRAY, MAINE, PATENTEES OF THE only practical Metallic Sleigh Stud.

Advertisement for Blake's Patent Stone and Ore Breaker, including an illustration of the breaker and text describing its features and availability.