

Notes & Queries.

J. C. W., of Ill.—There are no obstacles to steam engine taking the place of horses for hauling on common roads...

P. A. W., of La.—Silver which is deposited on copper by the galvanic current simply adheres by the force of electrical affinity to the surface...

J. O. G., of Mo.—The best black paint which you can use for engines is composed of boiled linseed oil and lampblack.

J. M., of Ill.—The best paint which you can use for a brick house, to prevent damp from striking through, is some mineral pigment of the color most suitable to your taste...

J. P. L., of Va.—In Belgian coal mines, and some mines in England, as well as one or two in Pennsylvania, fans are employed for ventilating.

F. J. L., of Conn.—The statement to which you refer, regarding deodorized alcohol, was made at the meeting of the Polytechnic Association...

W. D. W., of Iowa.—Cast steel will stand a greater pressure than wrought iron, when made into a gun-barrel.

A. P. C., of N. Y.—There is no power lost by the crank in a steam engine. You will find this subject illustrated and described on page 285, Vol. XIV. (old series), SCIENTIFIC AMERICAN.

E. T. A., of Ohio.—The shining yellow particles which you send us are mica, which may be known by its splitting into very thin scales.

C. T. M., of S. C.—The strings of your guitar, though called "catgut," are really made from the intestines of sheep.

F. B., of N. Y.—"All the points in the perimeter of a wagon wheel rolling over a plane" do not "move with the same rapidity, at the same time."

R. C. B., of Ill.—Your article is received and will soon appear.

G. H., of Miss.—Your beer seed is being examined.

J. M. L., of Ind.—The substance which you send us is sand, composed of the ingredients of granite—mica, quartz and feldspar.

W. & S., of Va.—Various opinions are expressed in regard to the extent of surface which a lightning rod will protect.

B. F. H., of Ohio.—Several plans are in use for consuming the smoke of furnaces, and, in England, there is a penalty attached to the escape of smoke from all manufactories...

H. K., of Minn.—The velocity of a body falling one foot, near the surface of the earth, is at the rate of 8 feet per second; but the velocity of water passing through a notch, under one foot of head, is only 5.1 feet per second.

C. C., of Texas.—You had better write to some scale-maker in this city for what you want. This is the best course for you to adopt.

J. C. H., of Cal.—We have no recent information to communicate in regard to Dr. Collyer's straw paper.

G. W. T., of Mass.—It will be very easy for you to find out whether large and small shot, in quantity, and bulk for bulk, are the heavier. Take a pint of each and weigh them.

W. D., of Pa.—Your article is received, and is under examination.

J. A. J., of N. Y.—Oiled silk is manufactured by coating it with some quick-drying boiled oil, and drying it in a warm room.

J. P. S., of Ky.—You can get a copy of the drawing of Whitney's old gin from the Patent Office, we believe. It was patented in October, 1793.

S. S. R., of Tenn.—All the barrels of the best quality of double shot guns that we have examined were made in Birmingham, England.

MONEY RECEIVED

At the Scientific American Office on account of Patent Office business, for the week ending Saturday, June 2, 1860:—

- J. N. J., of Mass., \$25; J. B., of Ill., \$25; T. C. H., of Ga., \$30; J. M., of N. Y., \$90; W. J. C., of Ga., \$35; J. S. L., of La., \$25; J. L., of N. Y., \$30; W. H. P., of Wis., \$30; J. R. L., of N. Y., \$100; W. H. D., of N. Y., \$30; E. D. C., of Conn., \$30; Z. D., of Ga., \$30; R. S. W., of Ga., \$35; J. S., of Ga., \$10; E. B. & T. S. P., of N. Y., \$30; C. A. B., of Vt., \$25; H. P. C., of Mich., \$40; E. R., of N. H., \$35; T. F., of N. Y., \$35; J. H. B., of N. Y., \$30; E. K. H., of N. Y., \$25; A. P. T., of Ga., \$20; J. M. D., of Ill., \$35; A. De W., of N. Y., \$38; D. & M., of Va., \$25; E. B., of Ga., \$23; G. W. H., of Ill., \$30; J. B. F., of Ohio, \$30; E. S. C., of Mass., \$30; H. C. F., of Va., \$30; F. J., of Ill., \$75; J. H. H., of Pa., \$30; H. & P., of Pa., \$30; H. B. N., of N. Y., \$35; A. & L., of Conn., \$25; E. A. L., of N. Y., \$30; D. F. E., of Mass., \$25; W. R., Jr., of Pa., \$30; H. A. R., of Ohio, \$33; C. T. P., of L. I., \$65; S. H., of Ind., \$25; E. G. P., of N. Y., \$30; L. G., of Md., \$25; A. J., of N. H., \$30; E. R., of N. H., \$55; W. S., of Mass., \$25; L. J., of N. Y., \$25; G. J., of Ohio, \$15; J. D., of Mass., \$30; T. H. Q., of N. Y., \$35; W. D., of Pa., \$25; D. & E., of Ill., \$40; D. F. S. W., of Md., \$30; L. S. W., of Vt., \$25; R. & B., of Pa., \$20; H. G. N., of N. Y., \$35; F. N., of N. Y., \$30; W. L., of Mass., \$25; H. & P., of N. J., \$30; O. & L., of N. Y., \$30; P. N. B., of N. Y., \$75; J. W. H., of Ill., \$30; W. G. S., of Ga., \$25; J. R. S., of Fla., \$30; J. R. McD., of Mo., \$30; J. D. L., of Conn., \$35; S. P., of Canada, \$37; S. M., of Ohio, \$25; J. O. C., of Conn., \$30; H. L. N., of N. Y., \$30; R. T., of Iowa, \$10; S. D. & B., of Ill., \$30; McC. & B., of Mo., \$35; A. S., of N. Y., \$30; L. B. D., of R. I., \$35; E. D. L., of N. Y., \$25; and \$30, by Adams' express, from Belfield, Va.—name of sender unknown.]

Specifications, drawings and models belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, June 2, 1860:—

- M. H., of Conn.; S. B., of Ga.; H. G. N., of N. Y.; W. H. P., of Wis.; W. L., of Mass.; W. G. S., of Ga.; G. J., of Ohio; S. H., of Ind.; T. & C., of Ky.; T. H. Q., of N. Y.; H. B., of Ill.; W. C. D., of Pa.; L. S. W., of Vt.; E. D. C., of Conn.; C. A. B., of Vt.; H. E. N., of N. Y.; S. D. & B., of Ill.; A. De W., of N. Y.; S. M., of Ind.; N. U., of Conn.; J. N. J., of Mass.; J. A. F., of Ala.; E. K. H., of N. Y.; R. H. & L., of Pa.; D. P., of N. Y.; D. F. E., of Mass.; D. D. A., of Mass.; J. W. H., of Ill.; L. I., of N. Y.; D. & M., of Va.; J. G., of Md.; J. M. D., of Ill.; L. B. D., of R. I.; E. D. L., of N. Y.

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