

L. C. T., of N. C.—If you will read the article on boiler explosions (Vol. II., page 345) carefully, you will see that we did not make the comparison between a boiler explosion and the popping of the cork from a soda water bottle. Your theory of explosions is that the water is decomposed by red-hot plates, then atmospheric air gets in, and mixes with the hydrogen in the boiler which ignites, and the gases then go off like gunpowder. This theory has been frequently advanced, and would be very plausible only that it wants facts to sustain it, because air cannot get into a boiler in sufficient quantity to burst a pop-gun.

J. T. B., of Wis.—There is not a good work on mill-wrighting, according to present practice, in print.

W. R. L., of N. Y.—A long screw-driver, with as narrow an edge, and having a handle thicker than a short driver, will not drive a screw any better, according to our view of the question. Long screw-drivers have thicker handles and longer edges, generally, which give them greater leverage.

E. A., of Conn.—To make black walnut resemble rosewood, in a measure, use a strong decoction of Brazil wood in lacvarnish, to make the red colored veins. To make perfectly black streaks, use a strong decoction of logwood, in which a few grains of copperas has been dissolved.

MONEY RECEIVED

At the Scientific American Office on account of Patent Office business, for the week ending Saturday, June 23, 1860:—

- F. W., of N. Y., \$30; R. H., of Conn., \$30; D. A. D., of Fla., \$25; B. F. G., of Mass., \$30; B. & B., of Iowa, \$30; O. P. A., of M. ss., \$30; T. B., of Va., \$30; B. & F., of Wis., \$25; G. H. M., of N. Y., \$30; W. M., of Minn., \$30; A. R. P., of Texas, \$35; T. W. McD., of Ill., \$30; J. H., of Ind., \$30; D. & H. W., of Pa., \$25; S. B., of Ohio, \$30; A. & C., of Mo., \$30; D. B., of Mo., \$35; L. L. A., of Mo., \$30; C. J. S., of N. Y., \$35; McC. & J., of N. J., \$35; H. C. F., of Va., \$25; C. & B., of C. W., \$25; A. W., of N. Y., \$30; D. F., of Mich., \$30; J. G., of Ky., \$30; E. E., of Ill., \$30; E. L. P., of Conn., \$25; L. D. L., of Ill., \$25; H. & N., of N. J., \$30; J. G., of N. Y., \$25; J. H. H., of Pa., \$25; J. K., of Ohio, \$30; H. W. N., of Ala., \$25; H. K., of N. Y., \$30; W. G. M., of Ohio, \$30; L. D. B., of Mo., \$25; J. T., of L. I., \$55; W. W. S., of Iowa, \$30; W. C., of Ill., \$30; D. T. S. W., of Md., \$25; G. B. P., of N. Y., \$100; J. H. B., of Ill., \$30; J. R., of Pa., \$30; W. M. G., of Ohio, \$30; J. H., of N. J., \$30; H. M., of Iowa, \$25; E. A. P., of Mass., \$30; S. F. Van C., of Cal., \$30; J. S., of N. Y., \$60; J. B. L., of N. J., \$25; M. A. B., of Fla., \$30; L. S. G., of N. Y., \$30; D. W. W., of Ohio, \$30; P. & B., of Pa., \$25; W. B. A., of Ill., \$27; E. D. A., of Ala., \$30; E. W., of N. J., \$30; M. A. W., of Cal., \$50; A. St. D., of La., \$30; H. W. Y., of Pa., \$30; J. S., of Ga., \$25; J. W., of N. Y., \$30; T. W., of N. Y., \$30; G. W. Van D., of N. Y., \$30; W. H. G., of N. Y., \$35; T. C. T., of Pa., \$30; J. R. L., of Mass., \$35; B. & N., of Vt., \$35; D. R., of N. Y., \$30; G. H., of Mass., \$30; J. R. C., of Ind., \$12.

Specifications, drawings and models belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, June 23, 1860:—

- J. T., of N. Y.; McC. & J., of N. J.; J. M., of N. Y.; C. J. S., of N. Y.; G. W. L., of N. Y.; J. K., of Ohio; J. H. H., of Pa.; E. R., of N. H.; D. F., of Miss.; H. F., of Ind.; D. A. D., of Fla.; D. F. S. W., of Md.; T. S., of Pa.; S. E. T., of N. J.; H. W. N., of Ala.; A. A., of N. Y.; H. C. F., of Va.; E. L. P., of Conn.; H. A. R., of Ohio (two cases); Z. D., of Ga.; P. & F., of N. Y.; T. O. S., of Cal.; J. B. L., of N. J.; D. & H. W., of Pa.; H. M., of Iowa; B. & F., of Wis.; L. D. L., of Ill.; P. & B., of Pa.; L. D. B., of Mo.; S. P., of Canada; G. W. Van D., of N. Y.; J. R. C., of Ind.; W. H. G., of N. Y.; G. W. R., of N. Y. (2 cases); J. S., of S. C.; J. R. L., of Mass.

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