

Hints and Queries

J. B. C., of Ohio.—On page 169, Vol. VI. SCIENTIFIC AMERICAN, you will find an instructive article on the subject of India-rubber rollers for washing machines.

W., of Lowell.—We do not think your improvement in torpedoes patentable. A similar water-proof joint has been applied to other uses, and its application to a torpedo would be a mere double use.

Maple Sirup.—A. D. Smith, of Danby, Vt., is the manufacturer of a most excellent quality of maple sirup. We speak from experience.

S. F., of Pa.—The 15-inch smooth-bore guns to which you refer are for the navy; the 12-inch rifled guns are for forts, one 12-inch rifled gun has been made already at the Fort Pitt works.

A. L., of Mass.—The chloride of lime is bleaching powder, and consists of dry lime in powder saturated with chlorine gas. It will not do to use it for whitewashing the walls of rooms.

C. R. B., of Kansas.—You will find that it takes but little, if any, more fuel to keep your boiler 15 lbs. above the working pressure in your cylinder. Fuel is always wasted when the steam is allowed to run down.

J. A., of Ill.—India rubber is not soluble in alcohol, but neither it nor gutta percha makes good vessels for containing alcoholic spirits. A small quantity of essential oil in these gums imparts a disagreeable taste and odor to spirits.

R. S. L., of Ohio. The quantity of water, in pounds, falling in one minute, multiplied into the perpendicular height of your fall, and divided by 33,000, will give you its horse power, from which it is common to deduct one-third for friction leakage, &c.

J. H. F., of Kansas.—If you wish to keep steam up in your boiler at a working pressure all night, to start your engine in the morning without kindling a fire, of course you must expect your boiler to wear out somewhat faster than otherwise.

J. R. B., of N. J.—Dry lam or charcoal dust is superior to lime for spreading on the floor of a hen house. Old india-rubber shoes may be patched by the use of warm india-rubber cement, and patches of old rubber laid on and pressed down with a flat iron.

SPECIAL NOTICE—FOREIGN PATENT.—The population of Great Britain, is 30,000,000; of France, 35,000,000; Belgium, 5,000,000, Austria, 40,000,000; Prussia, 20,000,000; and Russia, 60,000,000. Patents may be secured by American citizens in all of these countries.

Money Received

At the Scientific American Office on account of Patent Office business, during one week preceding Wednesday, June 18, 1862:—

J. C., Jr., of N. Y., \$10; S. W., of Mass., \$25; J. H. & E. H. A., of Md., \$15; P. A. S., of N. Y., \$40; T. D. L., of N. H., \$15; J. McK., of England, \$15; J. J. E., of N. Y., \$75; J. W. S., of N. Y., \$15; H. S. & H., of Iowa, \$15; U. H. S., of Ill., \$25; T. & R., of Ind., \$20; J. P. D., of Ind., \$15; W. W. K., of Pa., \$12; L. H., of Me., \$15; A. H. E., of N. Y., \$25; W. J., of Minn., \$15; A. & M., of Wis., \$40; G. D., of

Mass., \$25; W. E. S., of Wis., \$25; W. S., of N. Y., \$15; A. I., of Pa., \$25; N. B. P., of N. Y., \$45; A. Q., of N. Y., \$15; J. P. H., of N. Y., \$15; J. M. H., of Pa., \$20; R. J. M., of N. Y., \$15; H. H., of N. Y., \$30; D. L. B., of N. Y., \$15; F. G. S., of Mass., \$25; E. T., of Pa., \$25; W. B. S., of Mass., \$15; A. J. S., of Cal., \$15; W. S. M., of Md., \$25; J. C., of Mass., \$25; J. O. L., of N. Y., \$15; J. G., of N. Y., \$15; G. H., of N. Y., \$15; H. J. H., of Ill., \$30; B. R., of N. Y., \$20; J. M. B., of N. J., \$15; J. D. L., of N. Y., \$40; F. W., of N. H., \$15; C. K., of Iowa, \$15; R. H. C., of N. Y., \$15; S. H., of N. H., \$15; J. & T., of Wis., \$25; A. S. L., of N. Y., \$40; A. M., of N. Y., \$43; A. C., of N. Y., \$10; W. B., of L. I., \$33; J. S. W., of Va., \$20; L. H., of N. Y., \$20; W. R., of Mich., \$45; L. D. R., of N. Y., \$43; G. R. B., of Ill., \$20; J. M. W., of Iowa, \$20; A. C., of Cal., \$10; W. & F. K., of N. J., \$20; G. N., of Conn., \$20; B. D., of Conn., \$20; J. M., of Pa., \$20; J. W. K., of Mich., \$20; A. L. W., of Mass., \$45; H. W. O., of Conn., \$20; H. G., of N. Y., \$45; G. H., of N. Y., \$20; F. C. L., of N. Y., \$20; H. C. I., of Me., \$20; G. S., of N. Y., \$20; B. T. B., of N. Y., \$40; A. G., of N. Y., \$45; D. C., of N. Y., \$12; W. H. C., of N. Y., \$25; L. S. R., of N. Y., \$25; G. P. P., of Conn., \$12; J. B. W., of N. J., \$15; J. W. P., of N. Y., \$25.

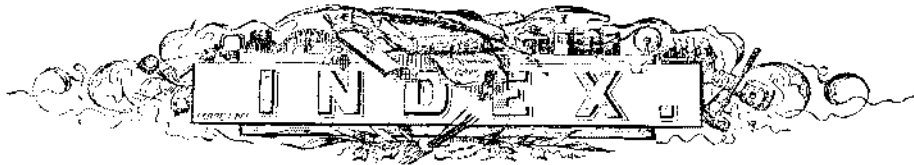
Specifications and drawings and models belonging to parties with the following initials have been forwarded to the Patent Office from June 11 to Wednesday, June 18, 1862:—

A. M., of N. Y.; W. B., of N. Y.; W. H. S., of Ill.; J. M. P., of N. Y.; C. W. B., of Mass.; S. W., of Mass.; H. B. B., of Mass.; C. S. I., of Ind.; J. B. W., of N. J.; G. P. P., of Conn.; L. S. R., of N. Y.; T. & R., of Ind.; W. W. K., of Pa.; J. B. Z., of Nebraska; J. C., of Mass.; F. G. S., of Mass.; E. T., of Pa.; W. S. M., of Md.; W. E. S., of Wis.; G. D., of Mass.; C. F. B., of R. I.; W. H. C., of N. Y.; D. & R., of Iowa; D. C., of N. Y.; E. G. H., of Mass.; H. H., of N. Y.; J. & T., of Wis.

TO OUR READERS.

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INVARIABLE RULE.—It is an established rule of this office to stop sending the paper when the time for which it was pre-paid has expired.



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