

C. A., of Pa.—In all cases of interference at the Patent Office, each party is called upon to furnish testimony as to the time when he first made his invention; and, before proceeding to take testimony, each party must serve a notice on the other of the time and place where the said testimony is to be taken.

C. R., of N. Y.—We are not acquainted with any work on hydraulics that contains information, such as you want, for plumbers.

E. B. DAVIS, of Lawrenceburg, Tenn., wishes to purchase machines for making bobbins and quills. Who can furnish him? Write to him, as above.

O. H. P. P., of Pa.—We give an illustration of Stevenson's champion wheel in this week's issue of our journal. We are obliged to you for the information concerning the trials of wheels at Philadelphia. The substance of it will appear at an early date in our columns.

J. W. C., of N. Y.—The reason why we prefer a boiler with vertical tubes, is owing to the favorable results which have been obtained with such a boiler on board the United States frigate "San Jacinto," in comparison with one having the old-fashioned tubes.

J. H., of Ind.—To make black varnish for iron-work, take 24 lbs. of asphaltum, fuse it in an iron vessel, and add 5 gallons of boiled linseed oil, 7 lbs. of litharge, and 1 1/2 lbs. of sulphate of zinc.

O. C. S., of Ohio.—The plan of propelling vessels by means of a windmill on the ship to drive a propeller in the water has been frequently suggested.

W. B., Jr., of N. Y.—The photographic process described on page 136, Vol. VII., SCIENTIFIC AMERICAN, is practical; but it has been superseded by improved processes.

B. F. H., of Mo.—The power developed by two 5-horse-power engines will, in no case, be more than 10-horse power—no matter how the engines are geared-up or down.

T. & W., of Va.—There is considerable difference of opinion about the proper velocity for running water wheels; but our largest manufacturers generally now consider about 6 feet per second of the periphery.

G. H., of Miss.—Your article is received; it is able, but too long.

O. C., of N. Y.—We suppose that the muscular power of a man would be sufficient to move a balloon of sufficient size to support his weight, only a few inches out of its course, while it is going a mile with an ordinary wind; hence, the impracticability of guiding balloons.

W. C. I., of N. C.—A portable steam engine would be the best you could use for most of the operations on a plantation. We advise you to examine one of the "cow-milkers," and obtain an ocular demonstration of its qualities for your own satisfaction.

H. W., of Pa.—The crude oil obtained from the natural springs of Pennsylvania requires to be purified for burning. It is, therefore, first distilled in a retort in the usual way; afterwards placed in a vessel, where it is agitated for three hours with about 5 per cent of sulphuric acid; then allowed to settle until all the sediment falls to the bottom.

J. F. DANCE & Bros., of Columbia, Texas, employ stones weighing about 1,000 pounds in their grist mills, and run them at the rate of 400 revolutions per minute.

T. H. M., of Md.—Blackberry cordial is made by boiling, for half an hour, one gallon of the juice of the berry with a like quantity of water, half a pound of cinnamon, two ounces of ginger and four pounds of sugar; then cool down, allow it to settle, decant off the clear, add one gallon of good spirits and bottle up.

MONEY RECEIVED
At the Scientific American Office on account of Patent Office business, for the week ending Saturday, Sept. 1, 1860:—
L. C. W., of Conn., \$25; S. L. B., of S. C., \$30; S. J. G., of N. Y., \$25; F. P. P., of La., \$15; J. C., of S. C., \$35; J. K. G., of Pa., \$25; S. H. & M. C. W., of Mass., \$25; A. C. C., of R. I., \$10; J. W., of Ohio, \$30; J. H. P., of Mo., \$30; E. R. S., of Pa., \$25; J. H. B., of N. Y., \$32; L. & K., of Ill., \$25; J. M. B., of Maine, \$55; C. A. R., of Ala., \$55; J. M. S., of Pa., \$10; W. H. O., of N. Y., \$45; J. M. S., of Ill., \$30; C. J. F., of N. J., \$25; G. S., Jr., of Maine, \$32; F. & C., of Iowa, \$25; B. & B., of Ind., \$25; J. V. H. S., of N. Y., \$30; W. C. W., of Ill., \$25; J. R., of Ga., \$30; K. & T. C., of N. Y., \$45; J. H. H., of N. C., \$25; D. L., of Pa., \$30; R. & W., of N. Y., \$30; F. & J., of N. Y., \$30; A. R., of N. Y., \$60; T. A. M., of Mass., \$25; J. A. B., of N. Y., \$60; W. T. D., of N. Y., \$25; I. P. Jr., of N. Y., \$25; W. P. K., of Ill., \$14; J. D. H., of Ala., \$25; R. W. H., of N. Y., \$30; D. P., of Ill., \$25; C. J. S., of N. Y., \$55; R. S., of N. J., \$30; A. B. C., of Ga., \$35; J. H. & E. H. A., of Md., \$30; S. W., of Vt., \$185; G. H., of Mass., \$25; P. H., of Mo., \$30; O. S., of Mo., \$30; C. G., of Ohio, \$25; C. & E., of Ohio, \$25; F. H. K., of Ky., \$25; A. K., of N. Y., \$30; J. P., of N. Y., \$25; G. C. G., of N. Y., \$25; D. A. B., of Ind., \$10; D. H., of N. Y., \$30; F. S., of Ill., \$30; A. T. B., of N. Y., \$30; C. R. O., of N. Y., \$25; G. W. & J. J. K., of Pa., \$15; J. H. G., of N. H., \$30; C. C., of N. Y., \$30; H. B. T., of Wis., \$30; J. G., of Conn., \$30; F. & S., of N. Y., \$30; T. T. S., of Pa., \$15; J. S. B., of N. Y., \$30; J. H. B., of Mass., \$30; M. W. W., of N. Y., \$25; J. H., of Ind., \$30.

Specifications, drawings and models belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Sept. 1, 1860:—
T. A. M., of Wis.; W. T. D., of N. Y.; J. P., of N. Y., F. & C., of Iowa; J. W. H., of N. Y.; W. F., of Mass.; T. T. S., of Pa.; P. C., of N. Y.; N. M., of Ill.; L. C. W., of Conn.; M. W. W., of N. Y.; J. A. B., of N. Y.; A. B. C., of Ga.; G. H., of Mass.; E. R. S., of Pa.; C. G., of Ohio; I. P., Jr., of N. Y.; C. J. F., of N. J.; J. K. G., of Pa.; B. & R., of Ind.; F. & B., of N. Y.; I. P., of N. Y.; C. J. S., of N. Y.; F. H. K., of Ky.; G. C. G., of N. Y.; J. D. H., of N. J.; W. M. C., of Ill.; C. R. O., of N. Y.; W. H. O., of N. Y.; G. W. & J. J. K., of Pa.; L. & K., of Ill.; J. H. A., of Cal. (two cases).

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IMPORTANT TO INVENTORS.

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Messrs. MUNN & CO.—It affords me much pleasure to bear testimony to the able and efficient manner in which you have discharged your duties of Solicitors of Patents while I had the honor of holding the office of Commissioner. Your business is very large, and you sustained (and, I doubt not, justly deserved) the reputation of energy, marked ability and uncompromising fidelity in performing your professional engagements. Very respectfully, Your obedient servant, J. HOLT.

Messrs. MUNN & CO.—Gentlemen: It gives me much pleasure to say that, during the time of my holding the office of Commissioner of Patents, a very large proportion of the business of inventors before the Patent Office was transacted through your agency, and that I have ever found you faithful and devoted to the interests of your clients, as well as eminently qualified to perform the duties of Patent Attorneys with skill and accuracy. Very respectfully, Your obedient servant, WM. D. BISHOP. Communications and remittances should be addressed to MUNN & CO., Publishers, No. 37 Park-row, New York.

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