



Machine for making Paper Segars.—We have a correspondent from South America who wishes to purchase a machine for the above purpose.

A. W. King, of South Hanover, Ind., wishes to ascertain where he can procure the best machinery for manufacturing corn starch.

J. A. L., of Tenn.—You propose to amend the patent law by compelling inventors to engage in manufacturing their inventions for two years before granting a patent.

L. M. F.—You appear not to be aware that a tunnel under the East River was proposed some years since.

W. C. R., of C. W.—Your water power of 18 ft. head and 400 inches of opening at its foot, is about 114 horse power.

W. W. H., of Ind.—We will give you a rule to calculate the horse power of your engine, and you can then work out the minutiae yourself.

G. A., of Ga.—An elevated fountain will raise water in a tube to its own level, no higher.

J. H., of Md.—A cheap wash for roughboards may be made with lime and the scales and ashes from a blacksmith's shop.

G. P., of C. W.—On page 25 of Vol. 5, Sci. Am., you will find an engraving of a submarine lamp.

S. B. B., of Texas.—Rosin oil is too smoky to be used in common lamps.

J. A. S., of Phila.—Common putty is a good plastic material for making patterns of castings.

G. H., of New York.—The communication on another column relating to Berlin castings may lead you to adopt such a course as the one respecting which you request information from us.

M. B., of N. Y.—Your burning fluid may be very excellent. It does not interfere with any patent so far as we know.

J. W. & Co., of Mass.—The articles on galvanization in the last and present number will give you all the information required.

F. E. B., of Conn.—The water pipes must be wholly made of hydraulic cement, or they will not answer.

J. W. K., of N. H.—The velocity of water down an incline is just in proportion to the vertical fall.

E. M. E., of Pa.—Wax dissolved in alcohol is a cement much used by instrument makers.

C. A. M., of Mich.—The Engineer and Machinists' Drawing Book, sold by Blackie & Son, this city, will answer your purpose.

J. M. B., of Pa.—A patent could not be obtained for an instrument for drawing nails constructed after the model of dentists' forceps for extracting roots of teeth.

P. M., of N. Y.—Four parts of iron filings, a like quantity of potter's clay, and the same of old crucibles reduced to powder, and made into a paste with salt water, makes a strong and durable fire-proof cement.

G. B., of Conn.—Smees' Electro-Metallurgy, published by J. Wiley & Co., this city, will give you the information on electro-plating.

E. B. C., of Mass.—We have seen small cut pinions case-hardened, but not large wheels.

J. W. H., of Mass.—Please inform me whether an individual has a right to manufacture and use a patented article, provided he does not offer it for sale; and also whether a party buying an article of an assignee can carry it into territory not owned by the assignee.

G. C. W., of Mass.—There is no good recent work on the steam engine. John Bourne's Treatise, price \$6, and the same author's Catechism, price 75 cts., are good.

Money received at the Scientific American Office on account of Patent Office business for the week ending Saturday, May 2, 1857:—

G. W. B., of N. Y., \$30; W. W. B., of N. Y., \$27; S. A. B., of L. I., \$30; S. D. H., of N. H., \$30; C. F. H., of Pa., \$30; W. & E., of Md., \$25; J. H., of Ala., \$55; C. & S., of N. Y., \$225; J. H. P., of N. J., \$30; J. McL., of Ill., \$30; S. O. C., of R. I., \$30; J. L. F., of Ill., \$30; A. B. G., of Conn., \$30; J. W. L., of N. Y., \$30; W. W. D., of Cal., \$170; G. S. M., of Ill., \$25; C. and C., of Mass., \$30; W. S., of N. H., \$12; C. B., of M. T., \$13; A. C., of N. Y., \$35; S. L. W., of Pa., \$30; C. A., of N. Y., \$60; A. B. J. F., of Ind., \$30; J. G., of O., \$30; J. W. P., of Ill., \$35; J. V., of Pa., \$30; J. F. R., of Iowa, \$30; J. M. E., of Conn., \$55; G. W., of N. Y., \$25; T. C., of N. Y., \$25; S. H. W., of O., \$25; P. & N., of N. J., \$25; T. M., of N. Y., \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, May 2, 1857:

G. W., of N. Y.; D. S. McN., of N. Y.; W. W. B., of N. Y.; E. F., of Iowa; S. O. C., of R. I.; A. R., of Tex.; T. C., of N. Y.; W. & E., of Md.; J. E., of N. Y.; A. B. J. F., of Ind.; B. A. A., of Ind.; C. W., of R. I.; C. B., of M. T.; A. C., of N. Y.; S. H. W., of O.; P. & N., of N. J.; T. M., of N. Y.; A. & M., of Ill.; T. V., of Cal. A. B. G., of Conn.

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COMPLETE SETS OF VOLUME XII EXHAUSTED.—We regret that we are no longer able to furnish complete sets of the present volume.

GIVE INTELLIGIBLE DIRECTIONS.—We often receive letters with money enclosed, requesting the paper sent for the amount of the enclosed, but no name of State given.

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PATENT LAWS AND GUIDE TO INVENTORS.—This pamphlet contains not only the laws but all information touching the rules and regulations of the Patent Office.

RECEIPTS.—When money is paid at the office for subscription, a receipt for it will always be given; but when subscribers remit their money by mail, they may consider the arrival of the first paper a bona fide acknowledgment of the receipt of their funds.

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THE UNDERSIGNED having had ELEVEN years' practical experience in soliciting PATENTS in this and foreign countries, beg to give notice that they continue to offer their services to all who may desire to secure Patents at home or abroad.

Over three thousand Letters Patent have been issued, whose papers were prepared at this Office, and on an average, seven or eight of all the Patents issued each week, are on cases which are prepared at our Agency.

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WROUGHT IRON PIPE.—Plain and galvanized sold at wholesale, by JAMES O. MORSE & CO.

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A NEW AND SCIENTIFIC INVENTION.—Dr. Cheever's Galvano-Electric Regenerator.

SWISS DRAWING INSTRUMENTS.—A full stock of these celebrated instruments always on hand.

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ENGINEERING.—The undersigned is prepared to furnish specifications, estimates, plans in general or detail of steamships, steamboats, propellers, high and low pressure engines, boilers and machinery of every description.

HARRISON'S GRIST MILLS.—20, 30, 36 and 48 inches diameter, at \$100, \$200, \$300, and \$400.

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GOLD QUARTZ MILLS of the most improved construction; will crush more quartz and do it finer than any machine now in use.

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