

TO CORRESPONDENTS.

E. S. P., of N. C.—Your letter, covering sample of ore, has been received, but we have not had an opportunity of thoroughly investigating the matter yet. We think the sample sent is composed principally of pyrites, but it may contain other more valuable miners, which we have not yet discovered.

W. L. B., of Boston—Fifty-two numbers of the Scientific American complete a volume. We can furnish the back numbers of the present volume. You can obtain the numbers at No. 13 Court st.

A. S., of Hartford—You will find a receipt for marking varnish on page 107, Vol. 6, Sci. Am.

A. H., of Eng.—We do not think it advisable for you to make an application here on the boiler. The arrangement is slightly different from Montgomery's, and he could prevent you from using yours in connection with his.

E. E., of N. Y.—The Patent Office does not make original drawings, or attend to answering any questions concerning the novelty of inventions. Many inventors write to the office under an erroneous impression in this respect, and are consequently disappointed in receiving no reply. Correspondence with the Examiners or other subordinates is strictly prohibited.

R. H. G., of Mass.—If a patent has expired before application for extension is made, or if such application be made short of the sixty day's notice now required by law, the Office can afford the inventor no relief. If he desires a renewal of his patent, his remedy is to be found only in a special act of Congress.

G. F. P., of La.—As long ago as 1846 (Vol. 2, page 49, Sci. Am.) we published diagrams of an apparatus for heating and also for ventilating railroad cars, which we should judge from your diagram embraced the whole features of your invention.

T. D., of Ala.—The model of the agitator is received, and will be reported on immediately. You will hear from us by mail.

R. E., of Va.—We are fully aware that the patent in question is not in possession of the original patentee. It was lost to him by prior proof of another inventor, and we have no doubt justice was done.

E. C. L. of Me.—We have high authority for the remarks addressed to you a month since. In a late publication of Liebig he assumes the same position.

J. H. B., of Mich.—We duly received your letter of June 25th. Your subscription we have marked up to No. 26, next volume.

J. H. M., of New Orleans.—We send your package of back numbers per steamer Benjamin Franklin. Your subscription expires now with No. 26, next volume.

A. N. M., of Savannah.—We are unable to state how much a working drawing will cost. Wm. Burden, of Brooklyn, can give you all the required information.

G. F. D., of N. Y.—You certainly had better provide yourself with Borden's Patent Meat Biscuit. You will have 400 per cent. more nutriment in the same bulk by purchasing the article above recommended, than by supplying yourself with any kind of preserved meats that we know of.

R. S. M., of Mass.—We have not been able to discover the advantages of your machine over Mr. —'s, but there is no question but what you can obtain a patent notwithstanding.

F. B., of C. W.—We think there is, none of the articles referred to arrived in this country yet, but if you wish us to order some we will instruct our Paris agents to obtain them by your depositing with us the cost, which we believe is about 200f. (\$40.)

Money received on account of Patent Office business or the week ending Saturday, July 3:

R. L. & H. W. O., of Ct., \$30; D. G., of Vt., \$25; D. P. G., of Ind., \$20; S. G., of N. Y., \$20; T. H. D., of N. H., \$70; H. C., of Ky., \$40; A. J., of Me., \$25.

An Important Paragraph.

Whenever our friends order numbers they have missed—we always send them if we have them on hand. We make this statement to save time and trouble, to which we are subjected in replying when the numbers called for cannot be supplied.

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- Of Volume 5, all but 4 numbers, price, in sheets, \$1.
- Of Volume 6, all; price in sheets, \$2; bound, \$2.75
- Of Vol. 7, all back numbers at subscription price.

Patent Claims.

Persons desiring the claims of any invention which has been patented within fourteen years, can obtain a copy by addressing a letter to this office;—stating the name of the patentee, and enclosing one dollar as fee for copying.

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American and Foreign Patent Agency

IMPORTANT TO INVENTORS.—The undersigned, having for several years been extensively engaged in procuring Letters Patent for new mechanical and chemical inventions, offer their services to inventors upon the most reasonable terms. All business entrusted to their charge is strictly confidential. Private consultations are held with inventors at their office from 9 A. M. until 4 P. M. Inventors, however, need not incur the expense of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express or any other convenient medium. They should be not over 1 foot square in size, if possible.

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—22 Copperplate Engravings of the following subjects, and numerous Woodcuts, are given in the Volume of the ARTIZAN for 1851, price \$3.50: Retort Settings (Croll's Patent) and Wet Lime Purifiers, for the Great Central Gas Works; Comparison of recent Improvement in Permanent Ways; Ryder's Forging Machine; Brown's Blooming Machine; Curvilinear Planing and Shaping Machine; Ericsson's Caloric Engine; Hydraulic Mine Lifting Machinery; Pumping Engine, by M. Mazeline; Samuel's Locomotive Feed Engine; Galloway's Patent Smoke-Consuming Water-Tube Boilers and Engines; Ship-ton's Pendulous Engine; Details of the Emperor of Russia's Yacht "Peterhoff," by Messrs. Rennie, and of the Prussian War Steamer "Nix," armed on Mr. Scott Russell's Patent System; Carlson's Direct Acting Engines for the Screw; Long's Steering Apparatus; Details of a Swedish Ornamental Villa; Wiggington's Model Dwellings, ventilated on the best principle; large sheet of Designs for Architectural Ornaments in Fire-clay; Result of Experiments of the Commission on the Strength of Iron.

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TO STEAM ENGINE BUILDERS, OWNERS,

and Engineers.—The subscriber having taken the agency of Aschroft's Pressure Gauges, would recommend their adoption to those interested. They have but lately been introduced into this country, but have been applied to many of our first-class river and ocean steamers, and on several rail roads, on all of which from their simplicity, accuracy, and non-liability to derangement, they have given the utmost satisfaction. CHAS. H. COPELAND, Consulting Engineer, 64 Broadway, N. Y. 43 5\*

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noticed in the last Scientific American—nearly 40 pages. I will send one copy, post-paid, for eight three cent stamps, or 50 copies by Express for \$5. The information contained is useful and important to patentees. Address GEO. W. BEARDSLEE, Albany, N. Y. 43 2

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for turning in a small space with large fore-wheels (see Sci. Am., No. 36, Vol. 6). For rights or agencies to sell the same in the New England and North Western States, also California and Oregon, address EDWARD EVERETT, Quincy, Illinois; or in the Southern and South-western States, also Pennsylvania, Ohio, Kentucky, and Tennessee, address CHARLES EVERETT, Washington, D. C. 43 3eow\*

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—The Board of Managers of this Institute will hold the Fifth Annual Exhibition in the Grand Saloon of the Institute Building, in the city of Baltimore, commencing on the 4th day of October next. The great facility thus afforded for a splendid display of American Manufactures, they hope, will be a sufficient inducement for the Manufacturers, Mechanics, Artists, Inventors, and others throughout the United States, to contribute such specimens of their industry, skill, and ingenuity, as shall be alike honorable and creditable to the mechanical genius and refined taste of the country. The Hall will be open for the reception of goods on Monday the 27th Sept. next, from which time to Thursday night, Sept. 30, articles intended for competition and premium must be deposited. The balance of the week will be devoted to the reception of articles intended for exhibition only, free of charge. After which time depositors will be subject to a charge of 50 cts to \$1. On Monday, Oct. 4, at 7 o'clock, P. M., the Exhibition will be open for the reception of visitors. Circulars containing the regulations and arrangements established by the Standing Committee on Exhibitions, can be had by addressing (post-paid) JOHN S. SELBY, Actuary of the Maryland Institute, by whom any information required will be promptly given. 39 7

PATENT ALARM WHISTLE

—Indicators for the use of hotels, steamships, factories, store-houses, private dwellings, etc. etc. This instrument is intended to supersede the use of the bell, being more simple in its arrangement, more effective in its operation, and much less liable to get out of order, being directly connected with the speaking pipe, it requires no lengthy wires in its use, which are continually getting out of order or breaking. There have been several hundreds of them fitted up in this city and vicinity with the greatest success. They can be attached to pipes, which are already fitted up without damage to buildings, and for much less than the cost of a bell, and warranted to operate. The public are invited to call and examine them at the factory of the patentees. WOOLCOCKS & OSTRANDER, 57 Ann street, New York. State and County Rights for sale. 40 13

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TENT RIGHTS—The whole right and title to the Patent Blind and Shutter Fastener, which was illustrated in No. 37 Vol. 7 of the Scientific American, will be sold cheap to a cash customer, or the owner of the patent will sell single States (not in smaller quantities) if desired. The invention is a good one; the claims are broad, and it is not an infringement of any existing patent, as decided by parties who have investigated the matter thoroughly. For particulars concerning the purchase of rights, etc., address "DESAIX," box 773, P. O., New York City. 41 3\*

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