

C. B., of N. Y.—Your alleged improvement in artificial Ivory appears to be new, and we should think a patent might be obtained for it.

E. A. J., of N. B.—Address H. C. Baird, 406 Walnut street, Philadelphia, for a work on distilling.

D. McD., of Jamaica.—It will cost you \$40 to have an engraving of your steam carriage prepared and published in our paper.

W. B., of C. W.—We do not know of any firm in this city that buys old coins. Bangs, Merwin & Co., auctioneers, sell such coins at public sale.

Money Received.

At the Scientific American Office, on account of Patent Office business, from Wednesday, March 23, 1864, to Wednesday, March 30, 1864:—

- B. G. M., of N. Y., \$20; B. B. B., of Conn., \$25; S. B., of N. Y., \$22; W. R., of N. Y., \$20; J. P., of N. Y., \$45; H. B. B., of England, \$140 59; M. W., of Vt., \$41; R. E. & A. G., of N. Y., \$45; A. J. C., of N. Y., \$16; O. C., of N. Y., \$45; L. & B., of Ohio, \$115; A. G. S., of Conn., \$31; S. Z., of N. Y., \$20; E. B., of N. Y., \$55; T. B., of N. Y., \$20; L. B., of N. Y., \$45; C. D. H., of Colorado Territory, \$20; F. A. M., of Pa., \$20; F. W. D., of N. Y., \$20; H. P. K., of Vt., \$20; J. F., of Ill., \$20; C. M. M., of N. J., \$20; R. D. C., of Canada, \$41; H. C. C., of Ohio, \$20; J. T., of Wis., \$20; P. & W., of Iowa, \$20; R. F., of Ind., \$20; H. & P., of Cal., \$30; J. F. C., of N. Y., \$80; H. & B., of N. J., \$45; M. N., of N. Y., \$16; N. H. R., of N. Y., \$56; J. F. D., of N. Y., \$20; A. S. L., of N. Y., \$41; E. D. S., of Mass., \$16; W. B. W., of N. Y., \$45; H. W., of Ohio, \$20; N. H. McC., of N. Y., \$320; W. F., of Mass., \$20; S. A. T., of Ohio, \$20; C. K., of Ill., \$40; T. G., of N. Y., \$45; H. & L., of Conn., \$20; J. J., of N. Y., \$44; W. D., of N. Y., \$20; G. H. S., of Conn., \$20; K. & S., of N. Y., \$16; H. H., of Ill., \$41; F. G. P., of Ill., \$16; R. M., of N. Y., \$25; F. O. W., of Mass., \$23; A. G. W., of Cal., \$15; A. H. W., of N. Y., \$25; J. G. F., of Mass., \$21; A. E. W., of Ill., \$25; K. & R., of Pa., \$35; S. F. W., of Iowa, \$25; W. A., of Wis., \$25; D. B. L., of N. Y., \$25; H. & R., of Ohio, \$15; A. W., of N. Y., \$16; B. F. C., of Wis., \$16; F. & T., of Del., \$16; F. B. H., of Ind., \$405; J. C., of N. Y., \$16; S. H. H., of N. Y., \$16; S. Z. H., of N. J., \$16; E. H. M., of N. Y., \$16; T. B. McC., of Del., \$16; W. M. S., of Mich., \$25; E. B. C., of R. I., \$16; W. H., of Iowa, \$25; K. & S., of Ill., \$25; S. W., of Pa., \$16; J. L., of Pa., \$16; J. P., of Pa., \$16; A. A. S., of Iowa, \$25; C. L., of Canada, \$25; B. F. M., of Ill., \$15; J. W. R., of N. J., \$25; B. F. of Maine, \$16; W. A. S., of N. J., \$16; P. C. P., of Ill., \$16; J. B., of Mass., \$16; J. A. K., of Mo., \$20; C. H. H., of N. Y., \$26; T. C., of Mass., \$16; A. W., of Vt., \$17; J. R. B., of Pa., \$25; J. H., of Pa., \$25; B. F. T., of Mich., \$25; E. T. J., of Vt., \$16; S. L. S., of Ohio, \$25; H. T. S., of Mass., \$10; D. H. S., of Iowa, \$16; T. S., of N. Y., \$15; J. Y., of Maine, \$16; W. V., of Mich., \$26; P. P., of N. H., \$25; H. K. T., of Wis., \$25; W. C. N., of Conn., \$16; C. B. G., of Iowa, \$25; W. H. P., of Ohio, \$50; J. A. D., of Ill., \$16; J. T. P. H., of N. H., \$25; D. B. T., of Wis., \$15; A. C. S., of Ind., \$10; W. D. B., of Mich., \$16; E. R. C., of N. J., \$16; J. B., of Ky., \$25; B. M., of Ohio, \$25; J. S., of Ohio, \$16; A. W., of Scotland, \$16; J. S. B., of N. J., \$16; A. & S., of N. Y., \$16; J. C. J., of Mass., \$25; F. G., of Pa., \$12; G. B. P., of N. Y., \$25; J. W. of N. Y., \$10; S. D., of Canada, \$16; W. B., of Mass., \$15; J. W. of Mass., \$23; R. E. B., of Mich., \$30; E. C. G., of Brit. Columbia, \$60; N. S. W., of Conn., \$25.

Persons having remitted money to this office will please to examine the above list to see that their initials appear in it and if they have not received an acknowledgment by mail, and their initials are not to be found in this list, they will please notify us immediately, stating the amount and how it was sent, whether by mail or express.

Specifications and drawings and models belonging to parties with the following initials have been forwarded to the Patent Office, from Wednesday, March 23, 1864, to Wednesday, March 30, 1864:—

- F. G., of Pa.; J. E., of N. Y.; H. H., of Ill.; R. E. B., of Mich.; F. O. W., of Mass.; J. H., of Pa.; H. K. T., of Wis.; J. R. B., of Pa.; B. F. T., of Mich.; W. M. S., of Mich.; S. C. K., of Mass.; W. H. of Iowa; P. W. K., of Ill.; F. R. W., of Ill.; S. F. W., of Iowa; J. G. P., of Mass.; A. H. W., of N. Y.; R. M., of N. Y.; A. G. W. of Cal.; W. A., of Wis.; D. B. L., of N. Y.; R. D. C., of Canada; J. A. K., of Mo.; G. B. P., of N. Y.; J. W., of Mass.; J. B., of Ky.; W. V., of Mich.; P. P., of N. H.; C. B. G., of Iowa; J. T. P. H., of N. H.; B. M., of Ohio; J. W. R., of N. J.; W. & V., of N. J.; A. E. W., of Ill.; A. A. S., of Iowa; H. & S., of Ill.; J. C., of Pa.

Binding the "Scientific American."

It is important that all works of reference should be well bound. The SCIENTIFIC AMERICAN being the only publication in the country which records the doings of the United States Patent Office, it is preserved by a large class of its patrons, lawyers and others, for reference. Some complaints have been made that our past mode of binding in cloth is not serviceable, and a wish has been expressed that we would adopt the style of binding used on the old series, i. e. heavy oarid sides covered with marble paper, and morocco backs and corners. Believing that the latter style of binding will better please a large portion of our readers, we commenced on the expiration of Volume VII, to bind the sheets sent to us for the purpose in heavy board sides, covered with marble paper and leather backs and corners. The price of binding in the above style is 75 cents. We shall be unable hereafter to furnish covers to the trade, but will be happy to receive orders for binding at the publication office, No. 37 Park Row, New York.

Back Numbers and Volumes of the "Scientific American."

VOLUMES I., III., IV., VII., VIII. AND IX., (NEW SERIES) complete (bound) may be had at this office and from periodical dealers. Price, bound, \$2 25 per volume, by mail, \$3—which includes postage. Every mechanic, inventor or artisan in the United States should have a complete set of this publication for reference. Subscribers should not fail to preserve their numbers for binding. VOLS. II., V. and VI. are out of print and cannot be supplied. We are unable to supply any of the first six numbers of the current volume. Therefore all new subscriptions will begin hereafter with the time the money is received

RATES OF ADVERTISING.

TWENTY-FIVE CENTS per line for each and every insertion, payable in advance. To enable all to understand how to calculate the amount they must send when they wish advertisements published, we will explain that ten words average one line. Engravings will not be admitted into our advertising columns, and, as heretofore, the publishers reserve to themselves the right to reject any advertisement they may deem objectionable.

ARMY CLOTHING AND EQUIPAGE OFFICE, Cincinnati, O., March 21, 1864.

PROPOSALS ARE INVITED BY THE UNDERSIGNED, until TUESDAY, April 5th, 1864, at 12 o'clock, M., for furnishing this Department (by contract) with—

- Cavalry Standards—Army Standard.
Bugles, with Extra Mouth Pieces—Army Standard.
Trumpets, with extra Crooks. do.
Trumpet Cords and Tassels, do.
Forage Caps, do.
Letters, from A to K, do.
Furniture, from 1 to 6, do.
Canteens, do.
Rubber Poncho Tent Blankets, do.
Trowsers—Footmen, do.
Trowsers—Horsemen, do.

Samples of which may be seen at the Office of Clothing and Equipage in this city. To be delivered, free of charge, at the U. S. Inspection Warehouse, in this city, in good new packages, with the name of the party furnishing, the kind and quantity of goods distinctly marked on each article and package.

Parties offering goods must, in all cases, furnish samples, marked and numbered to correspond with their proposal, and distinctly state in their bids the quantity of goods they propose to furnish, the price and the time of delivery.

A guaranty, signed by two responsible persons, must accompany each bid, guaranteeing that the bidder will supply the articles awarded to him under his proposal.

Bids will be opened on Tuesday, April 5th, 1864, at 2 o'clock, P. M., at this office, and bidders are requested to be present. Awards will be made on Wednesday, April 6. Bonds will be required that the contracts will be faithfully fulfilled.

Telegrams relating to proposals will not be noticed. Blank forms of proposals may be obtained at this office. The right to reject any bid deemed unreasonable is reserved. By order of Col. Thomas Swords, A. Q. M. G. W. MOULTON, Captain and A. Q. M.

ARMY CLOTHING AND EQUIPAGE OFFICE, Cincinnati, Ohio, March 22, 1864.

PROPOSALS ARE INVITED BY THE UNDERSIGNED, until THURSDAY, April 7th, 1864, at 12 o'clock, M., for furnishing this Department (by contract) with—

- National Colors.....Army Standard.
Regimental Colors—Artillery, do.
do do Infantry, do.
Garrison Flags, do.
General Hospital Flags, do.
Storm Flags, do.
Company Order Books, do.
do Clothing Books, do.
do Descriptive Books, do.
do Morning Report Books, do.
Post Order do.
Post Letter do.
Post Guard Report, do.
Regimental Letter do.
do Descriptive, do.
do Index, do.
do Order do.
Hat Feather Sockets, do.
Ostrich Feathers, for Hats, do.
Chevrons—Service, do.
do Ordnance Sergeants, Silk, do.
do Hospital Stewards, do.
do Cavalry, Sergeant Majors, do.
do do Cavalry, Qr. Master Sergeants, do.
do do First Sergeants, do.
do do Sergeants, do.
do do Corporals, do.
do Artillery, Sergeant Majors, do.
do do Qr. Master Sergeants, do.
do do First Sergeants, do.
do do Sergeants, do.
do do Corporals, do.
do Infantry, Sergeant Majors, do.
do do Sergeants, do.
do do Corporals, do.
Drum Heads—Batter, do.
Drum Heads—Snare, do.
Fifes, do.
Haversacks—Painted, do.
Cotton Duck—10 and 12 oz., do.

Samples of which may be seen at the Office of Clothing and Equipage in this city. To be delivered, free of charge, at the U. S. Inspection Warehouse, in this city, in good new packages, with the name of the party furnishing, the kind and quantity of goods distinctly marked on each article and package.

Parties furnishing goods must, in all cases, furnish samples, marked and numbered to correspond with their proposal, and distinctly state in their bids the quantity of goods they propose to furnish, the price and the time of delivery.

A guaranty, signed by two responsible persons, must accompany each bid, guaranteeing that the bidder will supply the articles awarded to him under his proposal.

Bids will be opened on Thursday, April 7th, 1864, at two o'clock, P. M., at this office, and bidders are expected to be present. Awards will be made on Saturday, April 9th. Bonds will be required that the contracts will be faithfully fulfilled. Telegrams relating to proposals will not be noticed. Blank forms of proposals may be obtained at this office. The right to reject any bid deemed unreasonable is reserved. By order of Col. Thomas Swords, A. Q. M. G. W. MOULTON, Captain and A. Q. M.

NEW SEWING MACHINE ATTACHMENTS.—APPLICABLE to all machines, sent by mail with full directions. The Self-Guide, guides the work itself perfectly; hems, tucks, &c. Price \$1. The Needle Setter, with Gauge, sets the needle itself and tells all the sizes correctly. Price 25 cents. Address J. W. BARTLETT, Needle and Sewing Machine Fixtures Depot, 442 Broadway, New York. 15 tf

BAIRD'S REVISED CATALOGUE OF PRACTICAL and Scientific Books, complete to date, will be ready for delivery this week. It contains the titles and full particulars of the contents of several new books, and will be the most complete catalogue of this character yet issued by me. It will be sent free of postage to every reader of the SCIENTIFIC AMERICAN who will favor me with his address. HENRY CAREY BAIRD, Industrial Publisher, 406 Walnut street, Philadelphia.

LABORATORY OF CHEMISTRY. CONSULTATIONS on Chemistry applied to Arts and Manufactures, etc. Plans of Factories, Drawings of Apparatus, Information on every kind of Chemical Fabrications, such as Soaps, Candles, Oils, Inks, etc. Analyses and Commercial Essays. Address Prof. H. DUNFALON, Chemist, 15 27 New Lebanon, N. Y.

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FOR THE ILLUSTRATION OF THE POWER OF THE EARTH'S ATTRACTION, and many other beautiful and interesting experiments. Five inches in diameter. Price, with magnetic objects, \$3 50. Sent free by mail on receipt of price. Also, Perce's Compound Magnets, very powerful instruments—Three sizes—Price \$1, \$2, or \$3. Sent by mail on receipt of price. Address Elbert Perce, Box 5561, P. O., New York. 1\*

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PATENT COMMISSION HOUSE.—SNYDER & WALTER, 229 Broadway, N. Y. Valuable patents sold for cash in New York in 30 days, exchanged for real estate, or converted through our Agents and Dealers. Manufacturing contracts made. Address SNYDER & WALTER, 229 Broadway, N. Y. References.—We, the undersigned, do hereby authorize Snyder & Walter to refer to us, and believe they will conduct their business upon strictly honorable principles. N. Y., Feb'y 23, 1864. Signed.—John McKevan, Importer, 55 Maiden Lane; W. Taylor, Banker, 76 Wall St.; J. S. Kirby, Metropolitan Bank; H. D. Smith, Chemical Bank. 1\*

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to complete which an officer of our old Regular Army devoted several years, may be seen (by any responsible person desirous of interesting himself in its introduction) at the office of JUDGE BALDWIN, 7th and E streets, Washington, D. C. Its plunger cannot possibly move until after it leaves the gun, several hundred feet, when a "stop" moves, leaving it still at rest, but free to move to meet impact from any direction; for either long or round shells, from rifled guns or mortars. Accidents absolutely impossible, since no chemics are used; only a simple mechanical device, actuated after leaving the gun. 1\*

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quarter of Vol. XV of this valuable and immensely popular Agricultural, Horticultural, Literary and Family Weekly commences April 2—a good time to subscribe. The Rural is known and admired in all sections (outside of Rebeldom) from Maine to Minnesota and Canada to California. It comprises over a dozen distinct departments, including Agriculture, Horticulture, Sheep Husbandry, Domestic Economy, Literature, News, &c., &c., and employs the best talent. Among its Editors and Contributors are Hon. H. S. Randall, author of "The Practical Shepherd," &c., who conducts the department devoted to Sheep Husbandry, and P. Barry, Esq., author of "The Fruit Garden," and former editor of "The Horticulturist," who ably treats upon Horticultural affairs. Indeed (as the N. Y. Farmer said years ago) the Rural is like a honey-comb, having sweets in every cell. Taste and see. Terms, only \$2 a year—less to clubs. Two specimen numbers sent, post-paid, on receipt of ten cents. 1 Address D. D. T. MOORE, Rochester, N. Y.

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can get information from Joseph Kinney, Macomb, Illinois, which will enable him to raise it like a bird. 1\*

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Field Seeds of every variety, choice and reliable; Farm and Garden Implements of all kinds; Guano, Bone-dust, Plaster, &c.; Trees, Plants and Roots for sale at low prices. JOHN VANDERBILT, Union Agricultural Warehouse, 23 Fulton street, (near Fulton Market), New York. 15 27

MACHINERY AT PEACE PRICES.—A LOT OF BAR-

REL and Keg Machinery for sale very low, to close an estate. Address RUFUS TYLER, Administrator, 15 67 Ausable Forks, Essex Co., N. Y.

PATENT SHOVEL AND LIFTER COMBINED.—

State and County Rights for sale for Davis's Patent Shovel and Lifter combined. See this paper of Nov. 21, 1863, for cut of same. Address WM. E. DAVIS, 89 Orange street, Brooklyn, N. Y. 15 27

THE PRACTICAL SHEPHERD,

A Complete Treatise on the Breeding, Management and Diseases of Sheep. By Hon. Henry S. Randall, LL. D., author of "Sheep Husbandry in the South," "Fine Wool Sheep Husbandry," &c., &c. Published by D. D. T. Moore, Rochester, N. Y.

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HENRY CAREY BAIRD, Industrial Publisher, 406 Walnut street, Philadelphia.

REGENERATING GAS FURNACE.—WE UNDERSTAND that Messrs. TUTTLE, CARPENTER & CO., of Boston, Mass., are the interested parties and agents for the United States for the very valuable Patent Regenerating Gas Furnaces, noticed in the SCIENTIFIC AMERICAN of March 19th, and numbered 41,788. At some future time we shall give a full account of this invention of the Messrs. Siemens, of London, which has been very extensively introduced in England and on the Continent, and is applicable to the manufacture of iron, gas, glass, &c. Address as above.

TO MANUFACTURERS OR ANY ONE HAVING AN article of manufacture they wish to introduce in the West. Having a large country acquaintance in Illinois, Iowa, Wisconsin, Minnesota, Michigan, and Indiana, and also a large store in the best street in Chicago, we would like such an agency. Best of references as to character and ability given in Boston, New York, Philadelphia, and Chicago. Address Drawer 5,908, Chicago Post-office, Ill.

TURBINE WHEELS.—J. E. STEVENSON & CO., Engineers, 200 Broadway, New York, are now manufacturing STEVENSON'S HELICAL TURBINE (the Jonval principle) on horizontal shaft with driving pulley all mounted complete, ready to attach the belt. Suitable for heads of water from 10 to 200 feet, wheels from 4 inches to 42 inches diameter, and from one-half horse power up to 200.

NERVOUS DISEASES AND PHYSICAL DEBILITY, arising from Specific causes in both sexes—a new and reliable treatment, in Reports of the Howard Association—sent in sealed letter envelopes, free of charge. Address Dr. J. SKILLIN HOUGHTON, Howard Association, No. 2 South Ninth street, Philadelphia, Pa.

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TO DEALERS AND BROKERS IN PATENTS.—\$2,000 will buy twenty States (New England States included) in a first-class patent, entirely new, and of daily use in every family. If applied for soon, all inquiries promptly and satisfactorily answered. JOHN JACOBS & CO., Shirleyburg, Pa.

HARDAWAY & SONS, MANUFACTURERS OF IMPROVED Spike, Bolt, Rivet, and Horse-shoe Machines. St. Louis, Mo. REFERENCED:—Choteau Harrison & Valle Laclede Rolling Mill; Collins & Holliday, Broadway Foundry; Marshall & Co., Western Foundry; all of St. Louis.

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SAVING OF FUEL TO PARTIES USING STEAM.—DAMPERS REGULATORS. Guaranteed to effect a great saving in fuel and give the most perfect regularity of power. For sale by the subscribers, who have established their exclusive right to manufacture damper regulators, using diaphragms of flexible vessels of any kind. CLARK'S PATENT STEAM AND FIRE REGULATOR COMPANY, No. 5 Park Place, New York

FOR SALE.—MY WHOLE RIGHT TO MY SACCHARINE Liquid Evaporator. The best out. See illustration in No. 14, current volume, SCIENTIFIC AMERICAN. Address J. C. CHESNEY, Abingdon, Ill.

25 HORSE STEAM BOILER, JUST FINISHED, 40 1/2 feet long and 40 inches diameter, for sale at 8 cents a lb. Address EAGLE WORKS, Harrisburg, Pa.

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