Scientific American.

TO CORRESPONDENTS.

" Western New Yorkers"-There can be no doub of a general disappointment in respect to the con duct of the American Institute regarding the Ray Premiums. We have received a great number of communications on the subject, but have declined to publishthem owing to the absence of pointed facts and straightforward sttaements. We cannot agree with

F. V., of Mich .- We think it not best to mention your improvements in our columns

F. R B, of Ill - The "Gilder's and Painter's Com panion" is a small book; cost \$1, postage about 25 cents, it is a very good work. John S. Taylor, 143 Nassau st, sells them.

A. C. B, of Albany-There is not the slightest hope of our being able to furnish you with those back volumes.

J. F. S, of Ohio-We would supply your subscribers with the back numbers with pleasure if we had them, but they are all gone.

J. R. K., of Ca.-Your caveat will take date from the day it was filed, which was on the 11th inst. H. M. D.; of Mass -There is no reliable map at

all the railroads built and in contemplation.

B. H. W., of Mo.-There is nothing new in your suggesitons about locomotives; essentially the same plan is now in use. We think the improvements you have made in your machine for dressing staves are new and patentable. You are scarcely justified in making an application for a patent before trying the machine, and even then it is questionable whether you would be able to compete with the simple ma chinery now in use for the purpose.

W.J T., of Pa.-There is nothing new in your methed of gearing lecomotive wheels for ascending incline planes; the same thing is in use and is gene raliy well known

S. S, of R. I .- We do not know of any patentimprovement in the drill which will prevent you from obtaining a patent. The peculiar combination you suggest is, without doubt, new and patentable. Balloonsare too old for you: don't bother your head about them, as no good would likely come out of your experiments.

C. W. B., of Ohio.-We have carefully examined the sketches of the four devices you have submitted to us for our opinion, and do not discover sufficient novelty or utility in either of them to warrant application for letters patent. We do not find anything new in either of them. You must study the works on mechanics more thoroughly.

J. W. B, of fens. - We have examined the sketch of your so-called perpetual motion. We have no faith in it whatever, and advise you not to waste away your time on a subject so wild and chimerical. We never expect to live to see a perpetual motion.

T. J. H., of Tenn. - There is nothing patentable in your alleged improvement in firemen's ladders .---Substantially the sameplan has been invented, and attempts made to bring it into use, but without

J. M., of N. Y -We sent you the premium money (3 twenty dollar gold pieces) by the American Express Co, last Saturday.

L. A. M., of Vt .-- We shipped the Encyclopedias to you by Express, last Friday week.

J. S., of Md .-- A stereotype of the Crystal Palace was sent to you last Monday.

A. R., of Pa,-Yours will receive attention.

A. L. S., of N. Y .-- The privilege which A granted to B and C is covered by the written agreement nothing more and nothing less, except what may have been given before witnesses verbally It is an agreement-a hargain-B and C have no right to transfer nor give away, when it is so stated in the bond of agreement; we believe that the introduction of a new partner who manufactures, is an in fringement of the agreement.

Money received on account of Patent Office busi 8. R. & H.. of N. Y., \$44,\$5; S. B., of Ind., \$25; J. McM, of Ky., \$50; C. & R., of Mass., \$30; E. B., of R. I., \$30; L. B. F., of N. Y., \$25; J. W. T., of Tenn., \$30; L. B. F., of N. Y., \$25; J. W. T., of Tenn., \$30; J. H., of N. Y., \$30; H. F. R., of Pa, \$31; E. L. N., of Mass., \$55; W. McB, of Ohio, \$30; C. S. B., of L. I., \$20. ness for the week ending Saturday. Dec. 18:-

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

which we concluded would be sufficient for the subsequent demand. It is now but fifteen weeks since Volume Eight was commenced, and to the disappointment of many we are obliged to an nounce that the entire editions of the first four numbers are all gone, and that we shall not be able to furnish the back numbers to any parties

PATENT CLAIMS-Persons desiring the claims o

ADVERTISEMENTS.

Terms of Advertising.						
4	lines,	for each	insertion,	-	-	50cts.
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Advertisements exceeding 16 lines cannot be adyou about "the high character of the Institute", mitted; neither can engravings be inserted in the advertising columns at any price.

All advertisements must be paid for before in-

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 not be over 1 foot square in size, if possible. Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequalled. This branch of our businessreceives the especial attention of one of the members of the firm, especial attention of one of the members of the firm, who is prepared to advise with inventors and manuers at all times, relating to Foreign Patents.
MUNN & CO., Scientific American Office,

128 Fulton street, New York

DEARDSLEE'S PATENT PLANING Tongue ing and Grooving Machines—These celebrated machines have now been generally introduced in various portions of the United States. More than machines have now been generally introduced and arbitry are now in successful practical operation in the State of New York alone. As an illustration of the extent of work which they are capable of performing, with unrivalled perfection, it is sufficient to state that, within the last six months and a half, over five millions of feet of spruce flooring have been planed, tongued and grooved by one of these machines at Plattsburgh, N. Y. never running to exceed ten hours a day. The claim that the Beardstee machine was an infringement upon the Woodworth patent, has been finally abandoned; as dafter the proofs had been taken, the suit instituted by the owners of that patent was discontinued, and the whole controversy terminated on the first of November last. Applications for machines or rights may be made to the subscriber, 450 W. BEARDSLEE, 57 State street, or No. 764 Broadway, Albany.

RARE OPPORTUNITY FOR MECHANICS The advertiser is anxious to secure a good Particular in the person of a skillful mechanic, who has a cash capital of from \$3000 to \$5000, to assist in carrying on an extensive establishment in one of the most flourishing cities of the South, erected for a Planing Mill and Sash and Blind Factory. It has been but very recently put into operation, with entirely new and valuable machine y, drive. We also norse-power engine, atso new. The macainery combines all of the factest improvements, and is believed to be as perfect as any ever put up at the South. The want of practical knowledge of machinery is the only motive for seeking a partner. For information apply to MUNN & CO., office of the Scientific American. RARE OPPORTUNITY FOR MECHANICS

J. D. WHITE'S PATENT CAR AXLE LATHES J. D. WHITE'S PATENT CAR AXLE LATHES

-—also Patent Engine Screw Lathes, for boring
and turning tapers, cutting screws, & c. We manufacture and keep constantly on hand the above lathes;
also double slide Chuck and common Hand Lathes,
Iron Planers, S Ingersol's Patent Universal Ratchet
Drill, &c. Weight of Axle Lathe, 5,500 lbs; price
\$600; Engine Serew Lathe, 1400 to 7,000 lbs; price
\$225 to \$675,
BROWN & WHITE,
15tf Windsor Locks. Conn. Windsor Locks, Conn.

WANTED-A good DYER and FINISHER of woolen goods. We are most particular about the former qualification. For further particulars address us by mail or otherwise.

TEST & MENDENHALL,
15 4* Richmond, Ind.

WATER WHEELS—The subscribers offer for sate Jagger's Improved French Turbine Water Wheel, which they believe to be unrivalled. Circulars and tables, relating to the same, will be forwarded to any one desiring them.

114 GER, TREADWELL & PERRY,

15 1am6m*

A POTTER WANTED—An experienced POTTER (one accustomed to both turning and burning) can obtain constant employment at liberal wages by applying to A. MILLER, Chatham, Canada West. He is wanted to superintend the work, consequently nown need apply unless a sober person, and one fully master of his basiness.

S. B., of Ind.; G. B. D., of Mass.; L. B. F. of N. Y.; S. E. S., of Vt.; R. C. B., of Ill., (2 cases); E. L. N., of Mass.; F. H., of N. J.

A Chapter of Suggestions, &c.

ALL Gone, All Gone.—At the commencement of the present volume, we printed 5,000 extra copies, the present volume, we printed 5,000 extra copies, the property of the present volume, and the present volume, we printed 5,000 extra copies, the present volume, and printed 5,000 extra copies, the present volume are present volume. man Pocket Dictionary, with a pronunciation of the German part in English characters and English sounds; 850 pages, 18mo; bound, embossed backs; price \$1. The trade furnished at a discount. 13 4

> CLOCKS FOR CHURCHES, PUBLIC BUILD-INGS, &c., Time-Pieces for Vestry and Session Rooms-Railroad Stations, Banks. Offices, etc., of various styles and prices; Regulators for Jewellers, with different-sized movements, plain and jewelled (in plain cases or others of an entirely new pattern and unequalled elegance), all of which possess the important improvements introduced by the undersigned, and which warrant an accuracy of time-keeping, unequalled in Europe or this country. Glass and other dials for illuminating, showing the time distinctly night and day. Address SHERRY & BY-RAM, Oakland Works, Sag Harbor, Long Island, N. Y. CLOCKS FOR CHURCHES, PUBLIC BUILD.

WILL BE SOLD—On Thursday, Dec 29, 1852, at Public Auction, if not previously disposed of at private sale, the SALUDA COTTON FACTORY, situated on Saluda River, three miles from Columbia, where the Greenville and Charlotte Railroad, connect with the South Carolina Railroad. The building is of granito. built in the best manner, 200 feet long, Ave stories high, containing thirty-six 30 inch cards; 120 looms, 49 spinning frames, three mules, with speeders, warping machines, dressing frames, and reclers, with every thing necessary for running the mill. The machinery is in complete or der There are one hundred and sixty agres of land situated on both sides of Saluda River, furnishing water-power sufficient to drive 100,000 spindles. The cottages for operatives are in good order; and the situation a very healthy one. The establishment, independent of the negroes, cost the present featurers of \$100.000 Spindles. connect with the South Carolina Railroad. The building is of granito. built in the best manner, 200 feet long, Ave stories high, containing thirty-six 30 inch cards; 120 looms, 40 spinning frames, three mules, with speeders, warping machines, dressing frames, and reclers, with every thing necessary for running the mill. The machinery is in complete order. There are one hundred and sixty areas of land situated on both sides of Saluda River, furnishing water-power sufficient to drive 100,000 stindles. The cottages for operatives are in good order; and the situation a very healthy one. The establishment, independent of the negroes, cost the present Company upwards of \$100,000. Persons desirous of treating privately for it, will apply to R. W. GIBBES, President. Columbia, S. C., Nov. 24.

NEWELL'S PATENT SAFETY LAMP AND LAMP FEEDER—Warranted to prevent all accidents from the use of Burning Fluid, Camphene, and other explosive compounds used for the production of light. This invention is applied to Solar and Camphene Lamps. For sale, wholesale and retail, by Newell & CO, Sole Manufacturers, No. 8 Winter st, Boston, and New York by G. W. McREADY, 426 Breadway

CERTIFICATE—Oollege of Physicians and Surgeons, New York, Oct 17, 1852 We have examined the Patent Safety Lamp and Lamp Feeder, of Mr. John Newell, of Boston, and are fully convinced, from the experiments we have made with them, that he has obtained the great desideratum of preventing the risk of explosive action in the use of burning duids in Lamps and Feeders. In this respect we entirely concur in the opinion of Prof. Silliman, and Drs. Hayesand Jackson.

JOHN TORREY, Prof. of Chemistry,

13 4* WM. H. ELLET, Prof. of Chemistry.

STEAM ENGINES FOR SALE—We offer for Sale two Engines and Boilers, as follows: one 8 horse, horizontal, cylinder 7 inches bore, 16 inch stroke, on a cast-iron bed, fly wheel, driving pulley, governor, pump, pipes, etc.; has never been used. The Boiler has been used by the maker about one year. It is cylinder, horizontal, 16 feet long, 30 inch diameter, has a steam chamber, try-cocks, about and sector relies.

inch diameter, has a steam chamber, try-cocks, check and safety valves: price, \$600.

Ose? horse Horizontal Engine. 6 inch bore, 16 inch stroke, cast iron bed-plate, driving pulley, etc. Boilerhorizontal, tubular, and has everything complete for putting it in operation. The engine is new, the boiler has been used, but is in good order. Price \$500. They are rare bargains, and will give satisfaction to the purchaser, being much less thannew ones can be obtained. Address MUNN & CO.

UNITED STATES STANDARD RULES—Ma unfactured by JOS. R. BROWN, Providence, R. I. Agents: A. J. Wilkinson. No. 2 Washington st., Boston; J. N. D. Wyckhoff, 152 Broadway, and Siebenmann & Quartier, 15 John st. N. Y.; Homer Foot & Co., Springfield, Mass.; John S. Gray, Martford, and J. G. & F. H. Brown, New Haven, Conn.; W. F. Dominick & Co., Chicago.

CHURCH CLOCKS—On a new and improved principle, warranted perfect time keepers, and easily kept in repair. Prices from one to three hundred collars. Old clocks regulated on a new principle, and warranted to keep perfect time. Address.

OHAS FRED. 2011NSON.
13 4*
Owego, Tioga Co., N. Y.

BLISS' IMPROVED MORTISING MACHINE

Dillustrated on page 224, Vol. 3, Sci. Am. These machines are made by J. W. BLISS, Hartford, Ct., and on the receipt of \$25 will be boxed in good order and sent by Express to any part of the country. COTTON \$AACHINERY FOR SALE—Four Fill-oing Frames, of 144 spindles each, made in the best manner and nearly new; price \$1 per spindle; other machinery for sale equally low. Apply to E. WHITNEY, New Haven, Conu. 116

MACHINISTS' & MANUFACTURERS' Tools.
O. SNOW & CO., Union Works, Meriden, Ct.
Having increased theirfacilities for manufacturing
Lathes, Planers, &c., have now on hand, finished and
finishing off, Slide Lathes, a variety of sizes and
lengths, at prices varying from \$125 to \$800, according to size and finish; also Hand and Power Planers
for iron, 2, 31-2, 6, and 10 feet beds; also Milling
Machines, Hand Lathes with or without iron beds,
comprising six different sizes, all of the most approved construction and warranted of the best quality ved construction and warranted of the best quality of work.

Woodworth Planing Machines, on W hand and manufactured to order, of superior quality, at reduced prices, warranted perfect. Also steam engines and other machinery, by JOHN H. LESTER, 57 Pearl street, Brooklyn, L. I. 124*

HARRISON'S UNEQUALLED FLOUR AND GRAIN MILLS.—Their frames and hopper are cast-iron, and the stones French Burr, 30 inches to four feet diameter. Thirty inch mill grinds 20 bushes an hour, weighs 1400 lbs.; cash price \$200. These mills, constructed upon a new principle, have become widely known, and are producing a revolution in milling. Cash orders promptly supplied, and the mills warranted to work in the best manner. The patentee offers \$500 reward for any mill which will do an equal amount of work with the same power and dressing. Made and for sale at the corner of Court and Union streets, New Haven, Conn, by 13 6*

FOUNDRY FOR SALE—The Columbus Foundry, in Columbus. Miss is offered for the columbus. I in Columbus, Miss, is offered for sale on the most liberal terms. The Foundry has a 15 horse-power engine and boiler; also a good grist mill, and attached to it the moulding room, 45 by 50 feet; all the tools and patterns will be sold with it. A good stand to do a good business; no foundry near. For stand to do a good business; no foundry near.
further particulars and terms. &c., address WOLFINGTON, Columbus, Miss.

EXHIBITION OF WORKS OF AMERICAN

Industry at Washington City.—The first exhibition of the Metropolitan Mechanics' Institute will be opened on Thursday, the 24th of February, 1253, in the new ard splendid hall of the east wing of the Patent Office, one of the largest and most magnificent rooms in the United States, being 275 feet long by 70 feet wide. To this exhibition the manufacturers, mechanics, artists, and inventors, from all portions of the Union are cordially invited to contribute. The hall will be opened for the reception of goods on Monday, the 14th of February, and the exhibition will positively close on or before Thursday night, March 17. Circulars, containing detailed instructions, will be forwarded and any jurther information given, on application (post paid) to the Corresponding Secretary, Charles R. Stansbury, to whom all communications on the business of the Institute should be addressed should be addressed

TRON FOUNDERS MATERIALS—viz. : American hand missing in hand missing in the control of the contr RON FOUNDERS MATERIAIS—viz.: American bard white and grey Pig Iron, No 1 Scotch Pig Iron, Iron and Brass Moulding Sand; Fire Sand and Fire Clay; Core Sand and Flour English and Scotch patent Fire Brieks—plain, arch, and circulats for cupolas. Pulverized Soapstone and Black Lead, Sea Coal, Anthracite and Charcoal Foundry Facings of approved quality, always on hand and for sale by G. • ROBERTSON. office 135 Water street, (corner of Pine), N. V.

WOODBURY S PATENT PLANING Machines W—I have recently improved the manufacture of my Patent Planing Machines, making them strong and easy to operate, and am now ready to sell my 24 inch Surfacing Machines for \$700, and 14 inch Sur-facing Machines for \$650 each. I will warrant, by facing Machines for \$650 each. I will warrant, by a special contract, that one of my aforesaid machines will plane as many boards or plank as two of the Woodworth machines in the same time, and do it better and with less power. I also manufacture a superior Tonguing and Grooving Machine for \$350, which can be either attached to the Planing Machine, or worked separately. JOSEPH P. WOODBURY, Patentee, Border st, East Boston, Mass. 18tf

MACHINERY. -- S. C. HILLS, 169 12 Platt-st. N. MACHINERY.—5. C. HILLS, 1/2 P. Platt-st. N. Y. dealer in Steam Engines, Boilers, Iron Planers, Lathes, Universal Chucks, Drills, Kase's, Von Schmidt's and other Pumps; Johnson's Shingle Machines; Woodworth's, Daniel's and Law's Planing machines; Dick's Presses, Punches and Shears; Morticing and Tennoning machines; Belting; machinery oil, Beal's patent Cob and Corn mills; Burr mill and Grindstones; Lead and Iron Pipe &c. Letters to be noticed must be not paid.

LEONARD'S MACHINERY DEFECT, 109
Pearl-st. and 60 Beaver, N. Y.—Leather Banding
Manufactory, N. Y.—Machinists's Teole, a large assortment from the "Lowell Machine Shop," and other celebrated makers. Also a general supply of mechanics' and manufacturers' articles, and a superior
quality of oak-tanned Leather Belting.

7tf P. A. LEONARD.

PAINTS, &c. &c.—American Atomic Drier Graining Colors, Anti-friction Paste, Gold Size, Zino Drier, and Stove Polish. QUARTERMAN & SON, 114 John st., 1tf. Painters and Chemists.

ATHES FOR BROOM HANDLES, Etc. L'continue to sell Alcott's Concentric Lathe, which is adapted to turning Windsor Chair Legs, Pillard, Rods and Rounds; Hoe Handles, Fork Handles and Broom Handles.

Broom Handles.

This Lathe is capable of turning under two inches diameter, with only the trouble of changingthe dies and pattern to the size required. It will turn smooth over swells or depressions of 3-4 to the inch and work as smoothly as on a straight line—and does excellent work. Sold without frames for the low price of \$25—boxed and shipped with directions for setting up. Address (post-paid) MUNN & CO.

At this Office.

FALES & GRAY (Successors to TRACY & FALES), RAILROAD CAR MANUFACTU-REES—Grove Works, Hartford, Connecticut. Passenger, freight, and all other descriptions of railroad cars and locomotive tenders made to order promptly.

SHINGLES, SHINGLES, SHINGLES—WOOD'S latest improvement in Shingle Machines is becoming more generally used than any other ever invented, and is unquestionably the best machine now in use; it produces shingles from all kinds of timber in a very perfect and rapid manner. Machines and rights for sale. Apply to JAMES D. JOHNSON, Bridgesort. Ct.

B. HUTCHINSON'S PATENT STAVE Cut-ting Machines, the best in use, and applicable alike to thick or thin staves; also his Head Cutting and Turning, and Stave Jointing Machines. For machines or territorial rights, apply to C HUTCHINSON & CO., Syracuse, N. Y. 9

POSTAGE STAMPS.—Post Office Stamps, of the denomination of 1, 3, or 12 cents, may be had at par by addressing MUNN & Co., Scientific Ameri-

we have a few, complete, left, and have reserved a few sets of Volume Eight, from the commencement to supply those who have ordered and paid for the volume, but who prefer receiving it at the end of the year.

| Amount of the part of Laims - 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 partent endes one of the finest clocks in the world."

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