## 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 you about "the high character of the Institute ',

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 Companion " 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 #a .- 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 of 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 any-thing new in either of them. You must study the workson 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 II, of Tenu .- 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 success.

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 introduc. tion of a new partner who manufactures, is an in fringement of the agreement.

Money received on account of Patent Office busi ness for the week ending Saturday. Dec. 18 :--

LESS IOT INE WEEK Ending Saturday. Dec. 18:-S. 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; J. H., of N. Y., \$30; H. F. R., ef Pa, \$31; E. L. N., of Mass., \$55; W. McB, of Ohio, \$30; C. S. B., of L. L, \$20.

Specifications and drawings belonging to parties with the following initials have been forwarded to the PatentOffice during the week ending Saturday, Des. 18:

## Scientific American.

ADVERTISEMENTS. Terms of Advertising

		10144	Of Aut		-3-		
41	ines,	for each	insertion	, -	-	50cts.	
8	"	46	**		-	\$1,00	
12	**	44	**		-	\$1,50	
16	"'	<b>\$</b> 1	**	-	-	\$2,00	
Adv	ertise	ments es	ceeding 1	16 line	es car	notbe a	۰d،
mitted	; ne	ither can	engravin	gs be	inse	rted in t	he
advert	ising	columns	at any 1	rice.			

Alladvertisements must be paid for before inserting -

American and Foreign Patent Agency

Agency IMPORTANT TO INVENTORS.---The under-signed having for several years been extensively engaged in producing Letters Patent for new mecha-nical and cheaulcal inventions, offer their services to inventors upon the most reasonable terms. All business entrusted to their charge is strictly confi-dential. Private consultations are held with inven-tors at their office from 9 A. M., until 4 P. M. In-ventors, however, need not incur the expense of at-tending in person, as the preliminaries can all be ar-ranged 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 Eu-rope, 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 manufacture ers at all times, relating to Foreign Patents. MUNN & CO., Scientific American Office,

128 Fulton street, New York

BEARDSLEE'S PATENT PLANING TONGUE **B** ing and Grooving Machines-These celebrated machines have now been generally introduced in various portions of the United States. More than nischnes nave now been generally instructed in various portions of the United States. More than thirty are now in successful practical operation in the State of New York alone. A- an illustration of the extent of work which they are capable of per-forming, 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 Platsburgh, N.Y. never running to exceed ten hours a day. The claim that the Beards-iee machine was an infringement upon the Wood-worth patent, has been finally a bandoned; a. d after 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 Novem-her last Applications for machines or rights may he made to the subscriber, 450 W. BEANDELEE, 57 State street, or No. 764 Broadway, Albany. 15tf

**RARE OPPORTUNITY FOR MECHANICS** The advertiser is anxious to secure a good Particut: 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 eities of the South, erected for a Vianing Mill and Sash and Blind Factory. It has been but very recently put into operation, with entirely new and valuable mombine  $y_1$  drive. By any one set power engine, also new. The machiner y combines all of the factest improvements, and is believed to be as perfect as any very rut up at the South. The wast of practical knowledge of machinery is the only motive for seeking a partner. For information apply to MUNN & CO., office of the Scientific American. 15 4\* RARE OPPORTUNITY FOR MECHANICS

J. D. WHITE'S PATENT CAR AXLE LATHES J. D. WHITE'S PATENT CAR AXLE LATHES J.-also Patent Engine Screw Lathes, for boring and turning tapers, cutting screws, &c. We manufac-ture and keep constantly on hand the above lathes; also double slide Chuck and common Hand Lathes, Iron Planers, S Ingersol's Patent Universal Katchet Drill, &c. Weight of Axle Lathe, 5,500 lbs; price \$200; Engine Serw Lathe, 1400 to 7,040 lbs; price \$225 to \$675, BROWN & WHITE, 15tf Windsor Locks. Conn. 15tf Windsor Locks, Conn.

WANTED-A good DYER and FINISHER of wooien goods. We are most particular about the former qualification. For further particulars ad-dress us by mail or otherwise. TEST & MENDENHALL, 15 4\* Richmond, Ind.

WATER WHEELS-The subscribers offer for sale Jagger's Improved French Turbine Wa-ter Wheel, which they believe to be unrivalled. Cir-culars and tables, relating to the same, will be for-warded to any one desiring them. JAGGER, TREADWELL & PERRY, 15 lam6m\* 110 Beaver st, Albany, N. Y.

A POI'TER WANTED-An experienced POT. TER (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, conse-quently none need apply unless a sober person, and one fully master of his business. 1\*

S. B., of Ind.; G. B. D., of Mass.; L. B. F. of N. Y.; S. E. S., of Vt.; R. O. B., of 11L, (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, USA Chapter of Suggestions, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Commencement of the present volume, we printed 5,000 extra copies, Comment of the present volume, we printed 5,000 extra copies, Comment of the present volume, we printed 5,000 extra copies, Comment of the present volume, we printed 5,000 extra copies, Comment of the present volume, we printed 5,000 extra copies, Comment of the present volume, we present of the present volume, we present volume, we present of the present volume, we present

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 Colum-bia, where the Greenville and Charlotte Railroad. The building is of granito. built in the best manner, 200 feet long, Ave stories high, containing thirty-six 20 inch cards; 120 looms, 44 spinning frames, three mules, with speeders, warping machines, dressing. Self Centering and Self-Adjusting Lathe, we frames, and reelers, with severy thing necessary for der There are one hundred and sixty ares 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 establish-ment, independent of the negrees, cost the present on which the South Carolina Railroad. The building is of granito, built in the bestmanner, 200 feet long, five stories high, containing thirty-six 30 inch cards; 120 looms, 40 spinning frames, three mules, with speeders, warping machines, dressing frames, and reelers, with every thing necessary for running the mill. The machinery is in complete or-der There are one hundred and sixty ares 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 establish-ment, 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 SAFE'IY LAMP AND LAMP FEEDER-Warranted to prevent all ac-cidents from the use of Burning Fluid, Camphene, and other explosive compounds used for the produc-tion of light. This invention is applied to Solar and Camphene Lamps. For rale, wholesale and retail, by Neweil & CO, Sole Manufacturers, No. 8 Winter st, Boston, and New York by G. W. McREADY, 426 Breadway CENTFICATE-Oollege of Physiciansand Surgeons, New York, Oct 17, 1852 We have examined the Pa-tent 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 fluids in Lamps and Feeders. In this respect we en-tirely concur in the opinion of Prof. Silliman, and Drs. Hayesand Jackson. JOAN TOREY, Prof. of Chemistry, 13 4\* WM. H. ELLET, Prof. of Chemistry.

STEAM ENGINES FOR SALE-We offer for S 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, aback and sofar relyes: inc. \$2000

inch diameter, has a steam chamber, try-cocks, check and safety valves: price, \$000. Ose7 horse Horizontal Engine, 6 inch bore, 16 inch stroke, cast iron bed-plate, driving pulley, etc. Boilerhorizontal, tubular, and has everything com-plete for patting 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 satisfac-tion to the purchaser, being much less than new ones cau be  $\bullet$  tamed. Address MUNN & CO.

UNITED STATIS STANDARD RULES-Ma United trading of the state of the sta

CHURCH CLOCKS-On a new and improved prin-ciple, warranted perfect time keepers. and easily kopt in repair. Prices from one to three hundred ollars. Old clocks regulated on a new principle, and warranted to keep perfect time. Address. CHAS FRED. 2011NSON, 13 4\* Owego, Tioga Co., N. Y.

BLISS' IMPROVED MORTISING MACHINE **D** Illustrated on page 220, 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 or-der and sent by Express to any part of the coun-ter. 12.4\* try.

COTTON MACHINERY FOR SALE-Four Fill-ing 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 Inishing off, Slide Lathes, a variety of sizes and lengths, at prices varying from \$125 to \$800, accord-ing 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 appro-ved construction and warranted of the best quality ved construction and warranted of the best quality of work. 9 7\* of work.

Woodworth Planing Machines, on hand and manufactured to manufactured to manufactured to manufactured to manufactured to manufacture to manufa W hand and manufactured to order, of superior quality, at reduced prices, warranted perfect. Also steam enginess and other machiner, by JOHN H. LESTER, 67 Pearl street, Brooklyn, L. I. 124\*

**HARRISON'S UNEQUALLED FLOUR AND C**. 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 bush-es an hour, weighs 1400 lbs.; cash price \$200. These mills, constructed upon a new principle, have be-come 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\* EDWARD HAUBISON.

**EXAMPLITION OF WORKS OF AMERICAN I** Industry at Washington City.—The first exhibition of the Metropolitan Mechanics' Institute will be opened on Thursday. the 24th of February, 1653, in the new and splendid hall of the east wing of the Patent Office, one of the largest and most magnificent rooms in the United States, being 276 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 the one on or before Thursday night, March 17. Circulars, containing detailed instructions, will be forwarded and any lather information given, on application (post paid) to the Corresponding Secretary, Charles F. Stansbury, to whom all communications on the business of the Institute should be addressed should be addressed

TRON FOUNDERS MATERIALS-viz. : Ame-**IRON FOUNDERS MATERIALS**—viz.: Ame-rican 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 circulars for cupolas. Pulverized Soapstone and Black Lead, Sea Coal, Anthracitc and Charcoal Foundry Fa-cings of approved quality, always on hand and for sale by G. © ROBERTSON. office 135 Water street, (corner of Pine), N. V. 116\*

W GOUBLERS \* 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 \$556 each. I will warrant, by marking and the strong for strong and the strong for the strong machines for strong machines for strong and strong the strong for strong the strong strong strong the strong facing Machines for \$66 each. I will warrant, by a special contract, that one of my aforesaid machines will plane as many boards or plack as two of the Woodworth machines in the same time, and do it better and with less power. Talso manufacture a superior Tonguing and Grooving Machine tor SEG, which can be either attached to the Planing Ma-chine, or worked separately. JOSEPH P. WOOD-BURY, Patentee, Border st, East Boston, Mass. 18tr

MACHINERY .-- S. C. HILLS, NG & Platt-st. N. Y. dealer in Starm Barrian St. MACHINERY.--5. 0. IIILLS, No. 12 Plattest. N. ners, Lathes, Universal Chicks, brills, Kase's, Ven Schmidt's and other Pumps; Johnson's Shingle Ma-chines; Woodworth's, Daniel's and Law's Planing machines; Dick's Presses, Punches and Shears; Mor-ticing and Tennoning machines; Belting; machinery oil, Beal's patent Cob and Corn mills; Burr mill and Grindstones; Lead and Iron Fipe &c. Letters to be noticed must be port paid.

LEONARD'S MACHINERY DEFCT, 109 Pearl-st. and 60 Beaver, N. Y.--Leather Banding Manufactory, N. Y.--Machinists's Toole, a large as-cortment from the "Lowell Machine Shop," and oth-er celebrated makers. Also a general supply of me-chanics' and manufacturers' articles, and a superior quality of oak-tanned Leather Belting. 7tt P. A. LEONARD.

PAINTS, &c. &c.-American Atomic Driver Graining Colors, Anti-friction Paste, Gold Sizs, Zino Drier, and Stove Polish. QUARTERMAN & SON, 114 John st., It? Painters and Chemisus.

ATHES FOR BROOM HANDLES, Etc. -We L'continue to sell Alcott's Concentric Lathe, which is adapted to turning Windsor Chair Legs, Pillais, 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 325-boxed.and shipped with directions for setting up. Address (postpaid) MUNN & CO. At this Office. At this Office.

**FALES & GRAY** (Successors to TRACY & FALES), RAILROAD CAR MANUFACTU-RERS-Grove Works, Hartford, Connecticut. Pas-senger, freight, and all other descriptions of railroad cars and locomotive tenders made to order promptly. It

SHINGLES, SHINGLES, SHINGLES-WOOD'S latest improvement in Shingle Machines is be-coming more generally used than any other ever in-vented, and is unquestionably the best machine now in use; it produces shingles from all kinds of tim-ber in a very perfect and rapid manner. Machines and rights for sale. Apply to JAMES D. JOHNSON, Bridgesort. Ct. 9tf Bridgeport, Ct.

C. 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.

119

