## Scientific American.

TO CORRESPONDENTS. "C. C., of Ind."—The drawings of your orse rake has been examined, there is noth-ig in the combination which would warrant ou in applying for Letters Patent. The run-ers are the only new features presented, but H.G., of O."—Your plan for raising water is simply a well known law in Philosophy and operates by encouraging a small model but practical test has proven that it will not oper-is ate on an extended Socies. The run-ers are the only new features presented, but H.G., of O."—Your plan for raising water is simply a well known law in Philosophy and operates by encouraging a small model but practical test has proven that it will not oper-is some no wheel Albany. The run-ers are the only new features presented, but horse rake has been examined, there is nothing in the combination which would warrant you in applying for Letters Patent. The runners are the only new features presented, but no claim could be based upon them, as in this case it is only the application as a well known device to a new purpose. They are not however so good for this purpose intended as the wheels ordinarily used.

"T. H. J., of Mass."-Your question can not be answered until we are made acquainted with your method of preparing the ivory. Glass has been used for such purposes, afterreceiving a coating chemically prepared. Ivory has not been used for the particular purpose, that we know of, but it may be that you prepared it in the same way, that the glass is before receiving the object.

"A.S., of N.Y."-Your plan for communicating power to the common dash churn is very simple and good, but very old. No patent could be obtained for it. \$1 received and credited.

"N. L. M., of S. B."-The Institute referred to is defunct.

"E. C. J., of Mass."-We do not see what advantages you desire from the first plan presented for our consideration, or what particular use you intend it for. The 2d is not new but constitutes one of the most ancient principles involved in the application of steam. See Lardner or Stewart on the steam engine.

"G. N. C., of Ct."-We do not know what you use in mixing the British luster, if it is alum no patent can be obtained for the composition. This is all the information we can give from the very indifinite description given by you.

"L. C. B., of Vt."-The portable saw mill referred to is probably the invention of Mr. Geo. Page of Baltimore Md., who will giveyou any information in regard to price, &c., that may be required. \$2 received and credited.

"S. H., of N. H."-The plan of your switch has been examined. We do not discover any thing new in it-a patent was granted last forwarded to you for signature, by mail, since season to Mr. L. B. Wood of your state, for essentially the same devices.

"W. F., of Liverpool, N. S."-No work upon Practical Tanning can be obtained in this city, the want of it is seriously felt. Ranlett's Architect is the best work of the kind the Camera Lucida shipped according to their in this country, it treats more especially upon cottage and ornamental work. You would like this work, it can be furnished in two bound Vols., for \$6 each, sent to our Halifax Agent. Please advise us.

"P. N. A., of Ind."-Your drafts have been received. and \$70 paid to Mr. Chamberlain and the balance \$100 credited as per request. Much obliged.

"E. R.B., of Wis."-Your model has arri-

ved and will meet early attention. "J. C., of N. Y."-The model of your "cut off" has been received, and the expenses paid to Express have been charged to your account. We cannot examine it until after the 1st of January.

D. L. G., of N. H., & and A. B. of N. Y .-Shall attend to your cases, as soon as possible which will be about the first week in January.

"J. K. H., of Ala."-It is absolutely necessary that you furnish a good operating model of your invention and no steps can be taken towards making out the papers until a model is prepared. The Patent Laws, are explicit on that point.

"T. A. D., of Ind."-We shall be pleased to review your model of the "Best Rotary Engine" out, and would recommended you to forward it by Express immediately.

"H. T. P. of S. C."-A case of instruments were shipped to your address per Engineer of the steamer "Northerner" last Saturday.

W. F. of Ct."-Jesse Fox Esq., resided at Lowcll, Mass., at the time he made his application for a patent on boilers (1832) but where he is at present, we know not.

"A. W., of Pa."-You could "get up" one of those "cattle feed steamers" for a much less price than it could be made here and then shipped to you. It is not patented in the United States but the right has been secured for Office on F street, opposite Patent Office, Washington, D. C. j20 tf Į,

"J. W. B., of P."-We have seen no wheel constructed exactly like yours-the nearest to it is one in No. 38 of our last Vol.-we are doubtful about obtaining a patent for it. We do not think the planing machine, to which you refer, superior to one with rotary cutters, but better than many with stationary cutters. " J. F. G., of Ohio."-Your plan of pumps

is in common use in the English mines, but the assistance of the air is the same for one as for three—the spaces only make the difference. In regard to the screws, let it always be understood that there can be no gain of power without a decrease of speed,-an increase of power is a decrease of speed; an increase of speed is a decrease of power. This is a permanent law of mechanics.

"A. F. G., of Ga."-Your draft on Messrs. R. C. & Co., was duly received and promptly paid. Thanks for your promptness.

"H. J., of Ind."-Your model has been received and your business will be taken up in a few days.

"B. S., of N.Y."-Your specification and drawing was forwarded to you by Wells & Co.'s Express last Monday.

"C. W. B., of N. Y."-Your plan in principle is not new, but the construction is. In Vol. 2, Sci. Am., you will see a number of

plans for this purpose.

Money received on account of Patent Office business, since Dec. 19, 1849 :-

D. J., of Mass., \$20; W. P., of L. I., \$20; N. P., of N. Y., \$10; C. F., of N. H., \$30; N. T. B., of Pa., \$45; H. A. F., of O., \$37; C. N. G., of Fla., \$25; and F. S. T., of N. Y., \$65.

A. L., of Me., T. G. U. F., of N. H., F. S. T., of N. O., H. A. D., of Ala., W. C. F., of Pa., and C. D. T., of N.Y.

Specifications of your inventions have been Dec. 19th.

J. U. D., of Pa., S. & K., of O.; J. M. B. of Ga., F. S. T., of Pa., and C. D., of N. C. Persons indicated by the above initials are informed that their funds were received and respective orders.

The six laboring days between Christmas and New Year's Day are considered holidays by most New Yorkers, therefore our friends and correspondents must not demur if their letters do not receive the early attention next week that they are accustomed to do, at our hands.

#### Back Volumes.

We are no longer able to supply Vols. 1, 2 and 3 of the Scientific American. We have on hand about 50 copies of the 4th, Volume bound, price \$2,75, if any of our subscribers are intending to order a copy, they had better do so without delay.

## **ADVERTISEMENTS.**

### Patent Office.

128 FULTON ST. NOTICE TO INVENTORS.--Inventors NOTICE TO INVENTORS.--Inventors and others requiring protection by United States Letters Patent, are informed that all business rela-ting to the procuration of letters patent, or filing ca-vests, is transacted at the Scientific American Office, with the utmost economy and despatch. Drawings of all kinds executed on the most reasonable terms Messrs. Munn & Co, can be consulted at all times in regard to Patent States, attheir office, and such ad-vice rendered as will outs inventors to adopt the safest means for securing their rights. MUNN & CO., 128 Fulton street, New York.

	<b>ECCENTRIC &amp; CONCENTRIC LATHE.</b> We have on hand a few of Alcott's celebrated
	We have on hand a few of Alcott's celebrated
l	Eccentric and Concentric Lathes, which the inventor
۰I	informs us will execute superior work at the follow-
l	ing rates :-
ł	Windsor Chairs, Legs and Pillars, 1000 per 11 hours.
ł	Rodsand Rounds 2000 "
į,	Hoe Handles, 800 " " Fork Handles, 500 " "
-	Fork Handles 500 "
	Broom Handles, 1500 "
÷	Also various other work in the same ratio. It will
1	turn smooth over swells or depressions of three-quar-
÷	ters to the inch. The Eccentric Lathe will do work
1	as fast and better than any other machine, and are
:	sold without frames for the low price of \$25-boxed
ł	and shipped. Address, (post paid) MUNN & CO.
1	14tf At this Office.
	T & DODDING
-	Z. C. ROBBINS,
	CONSULTING ENGINEER AND COUNSELLOR FOR PATENTEES.

Albany, Andover, Mass. Baltimore Md. Bridgeport, Ct. Cabutville, Mass GENTS. Peter Cook. E. A. Russell. S. Sands. Sandford & Cornwall. E. F. Brown. Post & Co. POST & CO. RUFUS MERRELL. J. R. TRIMBLY. D. L. NOBRIS. POPE & CHADE.

OPE & CHADE. GILESPIE, W. ORTON. J. H. BOWERS. W. COPES & Co. G. G. FULLER, J. BISLOP. E. BIRGP. J. F. REIGART. J. E. F. MARSH. W.M. WOODWARD. S. R. TUFTS. N. P. GREENE. PERCE & PARSONS PERCE & PARSONS. A. MCKENZIE. SAFFORD & PARKS. E. DOWNES. S. A. WHITE. J. L. AGENS. M. BOULLEMET. A. H. DOUGLASS. BEARCE & RACKLYFT. D. M. DEWEY. M. DEWEY. BESSEY A L J HAWLEY.

A. HAWLEI. L. CHANDLER. J. S. BRADLEY. JOHN CARRUTHERS. W. L. PALMER. W. P. SEAVER. C. H. BUSSELEY. G. H. BEESELEY. J. B. HAYES. C. J. VAN GORDER. J. M. SHUMWAY.

THE RANBLER FOR 1850.—The Bostow Saturenay Rawaler will commence its Fifth vearly Volume on Saturday, Jan. 5th, 1850, on which occasiou it will appear in an eutire new and elegant suit of type, printed on fine påper, and in all respects equal to the handsomest journal of the day. Several other important improvements and new features will be introduced, and it is intended that the paper shall in every respect present higher claims to the patronage of the public than it has yet pretended to. The vo-lume will open with a spiendid original romance by C. W. Webber. Esq., author of 'Gud Hicks the Guide,'' "The Gold Mines of the Gila,'' "Shot in the Eye,'' &c. It is entitled "The Brave Ranger,'' or "The Scalp-Hunter of Chinushua, and will probably extend though eight or ten numbers of the paper. Mr. Web-ber is known throughout the country from his daring excursions into comparatively unknown positions of the continent, as well as from the fresh and entertain-ing account of his adventures which he has given to the world in 'Old Hicks'' and the ''Gold Mines of the Gila.'' Among other features of our paper, worthy of note, may homentioned the dopartment for Karmera' in

the world in "Old Hicks" and the "Gold Mines of the Gila." Among other features of our paper, worthy of note, may be mentioned the department for Farmers, in which origiual articles appear weekly from the best agricultural writers in New England; the Financial and Business department, under the direction of an accomplished financial writer; the Markets, which we report with more than usual fullness; the Shipping List, into which we condense with grear care, all ma-rine interagenee of interest, to New England readers; the News Department, under the direction is devoted; besides which is given early intelligence of all new inventions, and discoveries, sketches of tra-vel, historical, biographical and scientific articles, Sunday readings, puzzles, enigmas and problems, hu-morous sketches, aud everything else that can benefit or interest the ordinary reader. The Illustrations will be continued weekly, and an entirely new field of embellishments will be entered upon. TERMS.—Two dollars per annum in advance. Spe-cimen copies sent gratis, all applications post-paid. Address WILLIAM SIMONDS & CO. 12. 6\* No. 12 School Street, BOSTON.

## This Journal is a monthly work of the second second

THE PHRENOLOGICAL JOURNAL.-This Journal is a monthly publication, contain-ing thirty-six octavo pages, at One Dollar a year, in advance. To reform and perfect ourselves and our race is the most exalted of all works. To do this we must understand the human constitution. This, Phre-nology, Physiclogy, and Vital Magnetism embrace, and hence to be yeound all the laws of our being; conditions of happiness, and causes of missery. PHRENCOGY.-Each number will contain either the analysis and location of some phrenological facul-ty, illustrated by an engraving, or an article on their combinations ; also the organization and character of some distinguished personage, accompaied by a like-ness, together with frequent articles on Physiognomy. Published by FOWLERS & WELLS. Clinton Halt, 129 and 131 Nassau-st., N. Y. 11 2m

**FOREIGN PATENTS.**—PATENTS procured in GREAT BRITAIN and her colonies, also France Belgium, Helland, &c., &c., with certainty and dis-patch through special and responsible agents appoint ed, by, and connected only with this establishment.— Pamphlets containing a synopsis of Foreign Patent laws, and information can be had gratis on application JOSEPH P. PIRSSON, Civil Engineer, 3 tf Office 5 Wall street, New York.

**BRUSH'S IMPROVED DOUBLE ACT**-ING LIFT AND FORCE PUMP.—The subscriber is now manufacturing and has constantly on hand, an extensive assortment of Lift and Force Pumps, to which he would call the attention of own-ers of factories, breweries, ships, steamships, or for railroad stations and farmers, as one of the most pow-erful pumps ever yet invented. Persons in want of a good article (the price is within the reach of all) are invited to call on the subscriber at his manufactory. 10 10\* J. A. BRUSH, 63 Pike Slip, N. Y.

**TO THE PUBLIC.**—The undersigned is pre-pared to execute in the best manner all kitch of patterns for foundries, models for inventors, and also drawings, if desired, agricultural implements, millwright work, &c., in the best possible manner, at low prices, upon short notice. He trusts that his ex-perience and strict attention to business will secure him a liberal patronage. ROBERT F. BEEBEE. No 262 Waterst., in the rear, near Peck Slip, N. Y. 141\*

PREMIUM STOVE POLISH, &c.--Quar terman's Chemical Oil Store Deliver terman's Chemical Oil Stove Polish, American Atomic Drier, Electro Chemical graining colors, and gold size. The stove polish is put up in thin boxes of 121-2 to 31.1-4 cts. Sold wholesale and retail at 114 Atomic L.... gold size. The stove point 12 1-2 to 31 1-4 cts. Sold wholesale and ... Johnst., New York, by QUARTERMAN & SON, Painters and Chemists.

DARKER'S WATER WHEEL .--- The Restriction offers rights for Sale, by Counties or Status, of the Best Water Wheel for Grist Mills, in the United States, which will grind a bushel of corn from three to eight: minutes, under a head of water from five to ten feot. It being at the same time simple and durable; any person purchasing a State right will be furnished with a model, and by addressing the Sub-Scriber at Camden, S. C., will have all satisfactory in-formation given formation given. 4 3m\*

EMANUEL PARKER.

**EXAMPLE 1** The Subscribers are now manufacturing, and have constantly on hand, an extensive assortment of the best patterns of Engine Lathes, which they offer at the following prices: —A Lathe 8 feet long, swing 19 inches, with back and screw gearing, drill chuck, centre and follow rest, \$200; ditto, without screw gearing, \$150; ditto, without faxtures, \$125. For particulars of other sizes, address, [post-paid] SCHANTON & PARSHLEY, New Haven, Ct. Munn & Co., Scientific American Office, are Agents for the above Lathes. Universal Chucks for sale at \$15. 4.3m.\*

LAW'S NEW PLANING MACHINE-For boards and plank, is now in operation in this city-planing, tonguing and grooving at the same time, with rapidity and beauty. It is believed to be superior to any other machine, as it will do the work of two or three rotary machines, and for all Southern, and the majority of Nerthern lumber, the execution is much better.

and the majority of Nerthern lumber, the execution is much better. Machines, with rights for States, or Counties, can be had by applying to the subscriber, at 216 Pearl street, or at Collyer & Dugand's mill, foot of West Fourteenth street, where the machine is at work. H. LAW. 2tf

Superior TURNING LATHES.-James Stewart, 15 Canal st., and 106 Elm st. is con-stantly manufacturing and has now on hand between 50 and 60 superior Lathes of the following descriptions and at reasonable prices, namely : Dentist's Lathes, very highly finished.

" c mmon, Brass and Wood Turner's Lathes.

Jaweller's and pencil-case maker's, very superior. J. STEWART is also authorized to act as agent for the sale of the celebrated Lathes manufactured by James T. Perkins of Hudson, of large size and at pri-ces from \$250 to \$800. A specimen of this descripces from \$250 to \$800. A specimen of this descrip-tion may be seen at his factory as above. j27 tf

BRITISH PATENTS .-- Messrs. Robertson **BRITISH PATENTS.**—Messrs. Robertson & Co., Patent Solicitors, (of which firm Mr. J. C. Robertson, the Editor of the Mechanics Magazine from its commencement in 1833, is principal partner,) undertake THE PROCURATION OF PATENTS, for England, Scotland, Ireland, and all other European Countries, and thetransaction, generally, of all busi-ness relating to patents. Instructions to Inventors can be had gratis, on ap-plication to Mr. THOMAS PROSSER, 25 Platt street, New York; as also the necessary forms of Petition and Declaration for British Patents. PATENT OFFICE, m1 tf 166 Fleet street, London.

m1 tf

166 Fleet street, London

**TOINVENTORS.**—The subscriber begs leave to inform inventors and others that he manufac-tures working models of machinery &c. in a neat workmanlike manner. Patterns of every description made for Castings. Scroll sawing neatly executed.— Mathematical and Nautical Instrument Cases of every description. JOSEPH PECKOVER, 240 Water street N.York, (between Beekman st. and Peck Slip.)]30 5m\*

TO IRON FOUNDERS.--Fine Ground Sea Coal, an approved article to make the sand come off the Castings easily; fine bolted Charcoal Blacking; Lehigh fine Dust, and Scapston Dust for facing stove Plates, &c. &c.; also, Black Lead Dust and Fire Clay, for sale in Barrels, by GEORGE O. ROBERT SON, 303 West 17th street, or 4 Liberty Place, be-tween Liberty st. and Maiden Lane, N.Y. 914\*

A DEE'S AMERICAN CAST STEEL A Works, (at the foot of 24th st., E. River, N. Y.) The above works are now in successful operation, and the proprietor would respectfully call the attention of machinists and all consumers of the article to an ex-amination of his Steel, which he is warranted by the testimony of the principal machinists and edge tool makers of this city, in recommending as fully equalin every respect to any ever used in this country. A full assortment of the different sizes constantly on hand, which the public are respectfully invited to call and examine at the office of DANIEL ADE E, 51 6ms 107 Fulton street, New York.

**MPLOY MENT.**—Pleasant and profitable em-log ment may be obtained by a number of intel-ligent and active young man, in every County, by ad-dressingpostpsid, FOWLERS & WELLS,

129 and 131 Nassau-st, New-York. P. S.—A small capital, with which to commence, will be necessary. Agents who engage in this enter-prise will be secured from the possibility of loss. 5 3m\*

STEAM ENGINES, secondhand, one each 11-2 6.8.16.20. and 80 horse power. New ditto 11-2 6, 8, 16, 20, and 80 horse power. New ditto 1 1-2 and 5 horse, on hand, and orders taken for any size. Lathes new 5, 7, 8, 10, and 12 feet, the 8 feet lathe is Lathes new 5, 7, 8, 10, and 12 feet, the 5 feet lathe is a beautiful article, has back and screw gear, drill chuck, centre and follow rest, overhead reversingpul-lies, swings 19 inches and price only \$ 200. Shingle Machines, Johnson's superior will saw 6 to 8000pen day. For the above or any other kind of machinery. Application must be post paid, to SAMUEL C. HILLS, 11.8 Machinery, 42 Publicas, and

118

Machinery Agent, 43 Fulton street,

CAMERA LUCIDA.--Notwithstanding the de-mand for these useful instruments has been so great, we are yet able to supply orders for them. Every draughtsman and every parson that "desires to fester a tasts for the beautiful art of sketching should surely have one. Just received, a new and more beautiful article than has before been offered for sale in this country. Address MUNN & CO., at this office. Price S6, boxed and shipped where directed. 3:f

AP WELDED WROUGHT IRON Tubes, for Tubular Boilers Ar w Robert 1 Acoustic and the second second

m 1 28 Platt street, New York.

THOMAS E. DANIELS' PLANING MA. L CHINES - Manufactured by HOWE, CHENEY & CO., Worcester, Mass. All orders for the above machines 'executed at short notice and satisfactory view. sfactory 24m\* prices.

BARLOW & PAYNE, Patent Agents and Consulting Engineers, 89 Chancery Lane Lundon mis tf Patent Journal Office.

D

Ы

# Gineinsati, Ohio, Concord, N. H. Dansville, N. Y. Dover, N. H. -Dansville, N. Y. -Dover, N. H. -Fall River, Mass. -Greene, N. Y. -Hartford, Ct. -Houston, Texas, -Halifax, Nova Scotia Jamestown, N. Y. -Lancaster, Fa. -Lynn, Mass. -Milwaukie, W.s. -Nashua, N. H. -New Bedford, Mass. Nashville, Tenn. -New Bedford, Mass. Nashville, Tenn. -New Hefford, Mass. Nashville, Ct. -New Haven, Ct. -New Haven, Ct. -New Haven, N. J. -Portland, Me. Rochember, N. Y. -Baterson, N. J. -Portland, Me. Rochember, N. Y. -Springfield, Mass. -Salem, Mass. -Southport, Wis. Savannah Geo. Syracuse, N. Y.

Taunton, Mass. Utica, N. Y. -Vicksburg, Miss. Warren, Ohio, Webster, Mass.