

**TO CORRESPONDENTS.**

"C. M. M. of Pa." "G. B. M. of Texas," "J. L. P. and S. & C. of S. C."—Your funds came duly to hand and your business shall receive early attention.

"K. & P. of Ct."—Your model was received from Washington last Monday. Please remit us \$20 and we will proceed with your business immediately.

"R. C. of Mass." "N. S. C. of Ct." "W. B. F. of N. H." "R. S. T., D. N. F. and C. N. T. of Pa."—Your specifications and drawings have been forwarded to Washington since our last issue.

"W. W. and others of N. C."—Your drafts reached us safe this day. Below we publish reply to our enquiries in relation to the business. "Gents.—The books for the steamer of June (California 3d ship,) will open when we hear of the return of this steamer to Panama from her first trip. Respectfully,

HOWLAND & ASPINWALL."

"N. G. F. of N. H."—We shall certainly look to your interest in this matter, and trust you will obviate the objections specified in our letter. When your new model is complete forward it to this office.

"J. M. H. of —" —We cannot express our opinion of Mr. C's patent, having never seen it. Letters patent have been obtained since that date for — Mills, one of which we are somewhat familiar with, patented in November 1848. If you are satisfied of its good qualities, you had better buy the interest.

"A. S. of N. J."—The objections to balloon travelling are neither new, nor founded upon any prejudice but that derived from the failure of balloonists to prove what they professed. Let scepticism be cured by proofs, an easy way to shut off objections and the only way at present.

"J. A. H. E. of N. Y."—You can never get any benefit by trying to heat by compressed air. It will not do. Take our advice and waste no money on experiments. The philosophy of the matter is known to all scientific men to be impossible.

"J. E. R. of N. Y."—Waterman B. Palmer resides in Brookfield, N. Y. His letters patent were granted in 1845.

"H. B. M. of Ohio,"—We have presented your letter to Mr. H. and find he is not disposed to buy the right. We should think your best course to pursue would be to advertise for a partner with means to assist you in the sale.

"J. S. of Va" —He cannot stop you from using the machine.

"J. M. K. of Boston."—We have already published the extent of our knowledge in regard to the machine for kneading dough — Would take pleasure in communicating any information in our possession.

"E. B. of Ind."—Your "Mechanics Companion," was forwarded in due time, and no doubt you have received it before this.

"J. G. G. of Mass."—The drawings of your improved apparatus are received and we do not hesitate in pronouncing it a subject well worthy securing by letters patent. Please send us a model of your apparatus and we can better judge of its merits; however, we understand its principles very well from your drawings and description. \$5 received.

"A. S. of N. Y."—The recently patented power loom of Mr. Bigelow performs all the objects desired by you. The same principle also exists in looms for weaving gingham in Scotland; your views are good but not new.

"N. H. S. of Boston,"—There is no patent on the Submarine Battery referred to; you are safe.

"A. B. of Va."—We will answer you next week.

"E. J. of Mass"—\$30 received. Your business will be attended to without delay.

"P. M. W. of Me."—The letter of Mr. H. to which you refer in yours of the 10th, has not come to hand.

"J. S. of Pa."—Your letter of the 14th came duly to hand with ten dollars safely enclosed. We should advise you to finish your model and have it forwarded to us at once; however if you desire it we will file a caveat immediately. Inform us by mail in regard to the matter.

"C. J. and J. M. of N. Y."—You cannot get a patent for a motion—all motions are

common property. You can get a patent for the manner of producing or combining the vibratory with the rotary motion to produce a new and useful result, but not otherwise.—This would cover your invention. Philosophical principles are not the subjects of patents. The second invention is a subject for another patent, but you must confine yourselves to the particular combination of the machinery, it is not the result, but the machinery that produces it, which is patentable, except for designs, and patents in that case are only granted for ornamental works.

—We would respectfully remind our correspondents that all communications must be post paid in order to insure prompt attention. Postmasters are authorized to frank letters containing money, or upon any matters having reference to the business of this office.

—We must again urge upon the attention of those remitting money to us, to be particular in furnishing the State and County, as well as the town in which they reside. We received a letter from Mount Hope, with money enclosed for the Scientific American, and entered the subscriber's name at Mount Hope, N. Y. and if it is not correct we cannot take the responsibility. The Postmaster overlooked his duty, by not post-marking the letter. Mount Hope is not so familiar to us as it is to the residents of the town.

**To Our Subscribers.**

We would respectfully remind those who are now receiving their papers in single wrappers that if they will exert themselves a little and obtain two, three or more, (the more the better) names with their own, it will render their paper less liable to loss and damage, through the mails. We are obliged to fold the papers for single wrappers in the smallest possible compass, and the post office clerks are more liable to overlook them in their hurry than they would if the wrapper contained three or more papers. Our subscribers, however, have always manifested a deep interest in the circulation of the Scientific American believing it to be the best publication of the kind in the country, and if it merits this high compliment, to its subscribers belong the honor of making it so. If you ask why; we answer by saying that no person reads it, until he has paid in advance for it, a compliment which we are proud of paying our readers. We believe that our old patrons will continue, and we depend upon their generous aid to extend the circulation.

**Virgin Gold.**

Thompson's excellent Bank Note Reporter in its last number presents two profile views of a specimen of virgin gold taken from the "dry diggings" in California. It is 96-100 fine, and weighs 2 oz. 15 dwts, value \$51.17. They invite all unbelievers to call at their office, 64 Wallst. and see it. We should advise all who call to pay \$2 and receive his valuable Reporter one year; they would undoubtedly save considerable "virgin gold" in that way.

**Advertisements.**

Great Improvements in Planing, Tongueing and Grooving Lumber.  
**JOSEPH P. WOODBERRY'S PATENT PLANING MACHINE**

The Subscriber having received Letters Patent for a Stationary Cutter Planing, Tongueing and Grooving Machine, now offers for sale the right to use the same.

This machine will plane six thousand feet of Boards to a uniform thickness in one hour, producing a better finished surface than it is possible to plane by any other means now known, not excepting the hand plane, and is peculiarly adapted to plane and joint clapboards or weather boarding, and will do the work faster and better than any machine heretofore invented.

This machine is so arranged that it planes the board with an unbroken shaving the whole width and length of the material, and does not take more than two thirds the power that is required to do an equal amount of work by the rotary cutting cylinder now in common use. The construction and organization of this machine is different from any new in use.

Communications for further particulars cheerfully responded to by addressing the subscriber (post paid) One of the above planing machines may be seen in operation by calling on the patentee.

**JOSEPH P. WOODBERRY,**  
Border street, East Boston, Mass.

**REMOVAL.**

**HARTSON'S** First Premium Tool Manufactory will be removed on the 1st of May from No. 42 Gold street, to Nos. 58 and 60 Vesey street, where he will enlarge his business and be able to meet the great and increasing demand for his superior Turning Lathes, Planing, Drilling Machines, &c.

**G. B. HARTSON.**

**NOTICE.**

WHEREAS certain persons have undertaken to manufacture my Patent American Elastic Safety Pins without any authority from me for so doing, thereby endeavoring to deprive me of the means of obtaining an honest living; this is to caution dealers not to purchase the Pins of any agents they may employ, as they will be liable to severe penalties for vending the same. A prosecution has been commenced by me against the said parties to recover damages for the infringement of my patent right.—The said parties are also using Cards with my father's name, James Rabbeth, on them, in conjunction with their own, pretending that they are in partnership. This is a fraud on the public. There is no such firm, as my father dissolved partnership with said parties in 1848, and forbid the parties to make use of his name after that date. Dealers are informed that all pins made by me will have the words "Manufactured by Thomas Rabbeth," on the bottom of each card, and all others are infringements on my patent. **THOMAS RABBETH,** Patentee, Glasterbury, Conn.

—Price of my Pins \$3.75 per gross. a21 2t\*

**TO RAILROAD COMPANIES.**

THE Subscriber has made application for letters patent on his self-acting Railroad Gate, designed to close up the common road in dangerous places, that nothing may intrude upon the Railroad at the time the engine or train are passing, and now ready to negotiate with Companies, on most reasonable terms, for the erection of such Gates. For further particulars, apply to **A. C. Coffin,** Haverhill, Mass. a21 3t\*

**MINIFIE'S MECHANICAL DRAWING BOOK.**

THIS is one of the most valuable works ever published, for Mechanics, desiring to learn the art of Drawing. The rules are all familiarly explained, and it is well illustrated with drawings, sections and elevations of buildings and machinery, an introduction to Isometrical Drawing, and an Essay on Linear Perspective and Shadows. 46 steel plates, containing over 200 diagrams. The work is bound in a beautiful and substantial manner. Price \$3. For sale by **MUNN & CO.** Agents for this city. a21 tf

**TO ENGINEERS, MACHINISTS AND OTHERS**—A first rate new 10 inch back geared Lathe, English make, to be sold cheap. Apply at **MACEY & SON'S** Store, 266 South st. a21 1t\*

**STEAM ENGINES.**

WE have on hand a few first rate 5 horse power engines of superior construction complete with pumps, regulator and connecting pipes that we will sell for the low sum of \$250. Also, we have an excellent 1-2 horse power engine complete with boiler, connecting pipes, pump, &c. which we will sell and pay expense of boxing and carting to any pier in New York for the small sum of \$275. It is a beautiful piece of machinery and worth \$400. The boiler is a horizontal one and of proved strength. Terms cash. The engines are made of the best material and the piston works vertically so that they occupy but little space. Address **MUNN & CO.** New York, Post paid. a14

**HAND PLANING MACHINES.**

THE subscribers have on hand and are constantly manufacturing Hand Planing Machines of the most approved construction: will plane 22 inches in length and 10 inches in width a sample of which may be seen at Wood's Tool Store, corner of Chatham and Duane sts. N. Y. The subscribers also make to order larger sized Planers, to work by power. Also, Lathes, Drilling Machines, Mill Gearing, Shafting, Pulleys, &c. Orders left at T. J. Wood's Tool Store, or addressed to the subscribers at Union Works, Meriden, Ct. will receive prompt attention.

**OLIVER SNOW & CO.**  
N. B. All work done by us is warranted to give satisfaction. m31 6t\*

**GENERAL PATENT AGENCY.**

REMOVED.  
THE SUBSCRIBER has removed his Patent Agency from 189 Water to 43 Fulton street. The object of this Agency is to enable inventors to realize something for their inventions, either by the sale of Patent Goods or Patent Rights. Charges moderate and no charge will be made until the inventor realizes something from his invention. Letters Patent will be secured upon moderate terms. Applications can be made to the undersigned, personally or by letter post paid.

**SAMUEL C. HILLS,** Patent Agent.

**A. G. FAY.**

**MANUFACTURER OF Lead Pencils.** Graduated Drawing; writing and Stylographic; and Artist's pencils, Crayons, Ever points, Pen Holders &c. The above pencils are peculiarly adapted to Mechanics use, as they possess great firmness and strength of points. Orders solicited from all parts of the country and goods forwarded with despatch. **Concord, Mass.** j20 1f

**FIRE ENGINES.**

**MESSRS. KELLS & PEAKE,** of the City of Hudson, having recently invented a new and improved mode of constructing Fire Engines, are now prepared to build superior machines of that description, or of any other of the ordinary construction. Hose Carriages, Hose, and all other implements in use for extinguishing Fires. **PHILIP H. KELLS.** a7 tf **JOHN L. PEAKE.**

**Lap welded Wrought Iron Tubes FOR TUBULAR BOILERS,**

From 1 1-2 to 8 inches diameter. THESE are the only Tubes of the same quality and manufacture as those so extensively used in England, Scotland, France and Germany, for Locomotive, Marine and other Steam Engine Boilers. **THOMAS PROSSER,** Patentee, d30 28 Platt street, New York.

**E. NEVILLE, WOOD ENGRAVER.**

122 Fulton st. corner Nassau. —The above is prepared to execute all orders at the shortest notice and on the most reasonable terms.

**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 Soapstone Dust for facing Stove Plates, &c. &c.; also, Black Lead Dust, for sale in Barrels, by **GEORGE O. ROBERTSON** m24 2meow' 263 West 17th st. New York.

**MAGNIFICENT PREMIUMS.**

—On payment of the yearly subscription to the Publishers of the **NEW YORK WEEKLY SUN,** of ONE DOLLAR, subscribers will receive gratuitously, a splendid large portrait of **PRESIDENT TAYLOR,** and also have the chance of securing one of the

**1000 PRIZES,**

worth from \$25 to \$1 each, which are to be distributed among the subscribers to that paper, at the close of the present year. The Weekly Sun for 1849, besides being the best and cheapest Family Paper in the world, will be enriched by a series of ORIGINAL PRIZE STORIES written expressly for this paper, and for which Four Prizes of \$250 have been offered by the Proprietors. **BEACH, BROTHERS,** Sun Office, corner of Nassau and Fulton sts.

m31 tf

**SUPERIOR TURNING LATHES.**

**JAMES STEWART,** 15 Canal-st. and 106 Elm-st. is constantly 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. " " common, Brass and Wood Turner's Lathes. Jeweller'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 prices from \$250 to \$800. A specimen of this description may be seen at his factory as above. j27 tf

**BRITISH PATENTS.**

**MESSRS. ROBERTSON AND 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 Procurement of Patents.** For England, Scotland, Ireland, and all other European Countries, and the transaction, generally all business relating to patents. Instructions to Inventors can be had gratis, on applying to Mr. **THOMAS PROSSER,** 28 Platt Street New York; as also the necessary forms of Petition and Declaration for British Patents.

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**PATENT OFFICE**  
166 Fleet Street, London.

**PATENT LUBRICATING OIL FOR MACHINERY.**

THE subscribers are now prepared to supply Devlan's Patent Oil in any quantity. Machinists, Manufacturers &c., are invited to examine the article. Certificates of its superiority over all other oils from some of our most extensive manufacturers can be seen at this office.

**KENNEDY & GELSTON,** 51-2 Pine-st. New York, Sole Agents for the New England States, and State of New York. Samples of the oil may be seen at the Scientific American Office. m10 tf

**SUPERIOR ENGINE LATHES.**

WE are manufacturing and selling at our establishment in New London, Ct. a superior article of Screw Engine lathes and also hand lathes of every dimension at an extremely low price. Address **ALBERTSON, DOUGLASS & CO.** Post Paid [d2 6m'] New London, Ct.

**Z. C. Robbins,**

Consulting Engineer and Counsellor for Patentees.

Office on F street, opposite Patent Office, Washington, D. C. j20 1f

**WONDERFUL CHURNS.**

THAT will cause butter to come from milk in three to four minutes, for sale at \$3, \$4 and \$6 each, at the Agricultural Warehouse of **S. C. HILLS & CO.** 43 Fulton st.

**CAMERA LUCIDA.**

NOTWITHSTANDING the demand for these useful instruments has been so great we are yet able to supply orders for them.

Every draughtsman and every person that desires to foster a taste for the beautiful art of sketching should surely have one. Address **MUNN & CO.** at this office. Price \$6, boxed and shipped where directed. m31

**SAW MANUFACTORY.**

**LEAVITT & M'DANIEL,** Fisherville, N. H., Manufacturers of Mill, Circular, Tennon, Cross-cut, and Pit Saws. Also, Felloe, Turning and Veneering Saws; Billet or Wood Cutter's Saws; Iron or Brass Web Saws, Pruning and Butcher's Bow Saws, Chest, Hand, Pannel and Ripping Saws. Also, Plastering Trowels. **J. McDaniel,** Concord, Wm. D. Leavitt, Fisherville. **RUFUS R. LEE,** Manufacturers' Agent, No. 11 Kilby st. (up stairs) d30 3m\* Boston, Mass.

**"ATTENTION THE WHOLE."**

**CITIZENS** and Strangers are respectfully invited to visit **GURNEY'S DAGUERRIAN GALLERY,** 189 Broadway, where Likenesses of the finest finish and most durable materials are taken in clear or stormy weather. N.B.—Paintings, Daguerreotypes, Engravings, &c copied. m31,

**FELTING MANUFACTORY.**

**JOHN H. BACON.**

(Late of the firm of R. Bacon & Sons.)

—Manufacturer of Feltings for Water Filters, &c., Steam and Water Pipes, Emery Wheels, Calico Printers' Jewellers', Marble Workers' Boot Felts, Felting for Railroads, &c. &c. Also Lambs Wool Wadding for Cloaks, Skirts, Hoods, &c.

For sale and orders received by **T. C. BACON & CO.,** corner of Union and Ann sts., also by **E. C. TURELL,** No. 26 Ann st. Boston, next door to Oak Hall. a7 3m\*

**Johnson's Improved Shingle Machine.**

THE Subscriber having received Letters Patent for an improvement in the Shingle Machine, is now ready to furnish them at short notice, and he would request all those who want a good machine for sawing shingles, to call on him and examine the improvements he has made, as one eighth more shingles can be sawed in the same given time than by any other machine now in use. Manufactured at Augusta, Me. and Albany, N. Y. **J. G. JOHNSON,** Augusta, Maine, Oct. 28, 1848. c28 1y