

TO CORRESPONDENTS.

R. J. S., Jr., of N. C.—Your plan of capturing Sebastopol, by discharging bomb shells filled with camphene upon the doomed city, may be very good. And it may be, as you eloquently remark, that "The proud castles of Inkermann, which the Russian Autocrat has boasted was impregnable, could be taken in one day." Perhaps also, as you further state, "the proudest navy that ever spread its canvas pinions to the joyous breeze, whose sturdy sides bristled with threatening cannon, would melt at the magic touch of this wondrous agent like the unreal fancies of a sleeping brain at the waking moment of a mighty wind!" We are pleased to know that in your mind there is "no shadow of a doubt" as to the success of this invention. We would suggest that you communicate with H. E. M. Queen Victoria, and H. I. M. Napoleon III., of France, so that the present European war may at once be brought to a termination. Patents for such gigantic inventions are unnecessary. No government would hesitate to pay a suitable reward for the bare idea. We would further suggest that instead of only firing bombs filled with camphene, you make an improvement in the shape of a machine for spouting the camphene in a continuous stream upon the town. If a lighted candle were held near the nozzle, the camphene would ignite as it issued, and thus a steady volume of liquid fire might be poured in upon the town, which would insure its instant destruction without the firing of a gun. If the besieged city were difficult of near approach, a hose pipe might be quietly laid, under cover of the night, up to the very walls, and a murderous deluge be suddenly commenced. This apparatus could also be used on shipboard. A method of capturing whales, substantially the same as yours, has long been in use; we do not sufficiently understand your plan to improve to judge of its patentability.

S. F., of Me.—We have no statistics showing what the importation has amounted to from the countries you specify, for the years '52, '53, and '54.

We are able to furnish all the back numbers of the present volume of the SCIENTIFIC AMERICAN, and to new subscribers we shall continue to send the back numbers as long as we have them, so as to render their volumes complete.

BOOTH'S PATENT GRAIN SEPARATOR—Manufactured at Cuyahoga Falls, Ohio, warranted to be the best thing of the kind ever used for milling purposes, with horizontal and perpendicular blast, also improved shaking riddle of perforated copper, giving a smooth surface, cleans from 10 to 500 bushels per hour of wheat, corn and buckwheat. Sections where garlic, oats, smut balls, etc., are troublesome, it is indispensable to the manufacture of good flour. A more particular account will be given by addressing the manufacturer at Cuyahoga Falls, Ohio. J. L. BOOTH. 216

CLIPPER AMONG THE MONTHLIES—The Monthly Nautical Magazine, devoted exclusively to the Maritime interests of the United States, embracing ship-building, commerce, navigation, and marine engineering, will commence its second volume in April, 1855, enlarged to 95 pages. This work contains draughts of some of the finest vessels of the age, with other engravings, and is one of the most valuable publications in the country. Terms, single copies \$6 per annum, or \$2.50 per volume. Club Rates—Five copies for \$20; twelve copies for \$50. Sample copies sent when requested. Address GRIFFITH & BATES, Editors and Proprietors, 79 John st., New York. 214

OUR CATALOGUE, of Optical, Mathematical, and Philosophical Instruments, in pamphlet form; a new edition, with numerous illustrations, is now in press and will be issued in a few weeks. This Catalogue is furnished on application, and sent by mail to all parts of the United States and the Canadas free of charge. McALLISTER & BRO., Opticians, (Established in 1790,) at their new store, 194 Chestnut street, Philadelphia. 218

PROFITABLE INVESTMENT—Can be made by purchasing rights of any Patent Tanning Machine, patented Aug. 29th, 1854, pronounced by good mechanics to be the best machine in use; is adapted to all kinds of work including dunnies and cap tans for car boot or heavy work, will do the work of from three to eight ordinary machines, can be set in one minute for boring or squaring the sole of any right leather machine. Address C. P. S. WARDWELL, Lake Village, N. H. 194

MODELS FOR INVENTORS—CHARLES KIRCHOFF, Manufacturer of Models, Scientific, Philosophical and Artistic Instruments, Machines, &c., corner of West Broadway and Thomas street, New York. 194

HUB MORTISING MACHINE—Price Reduced—We have finished a few of Roy's and French's patents, undoubtedly the best machines of the purpose ever invented. We will take back the machine and refund the money, in all cases, if they fail to satisfy buyers. Wagon and carriage makers will do well to give them a trial. They will bore and mortise thirty to forty hubs a day, and answer also for other work. 204 TEVIS & BARBAROUX, Louisville, Ky.

TO LET, WELL LIGHTED ROOMS with Steam Power—at low rates, in the new buildings 7, 9, 11, and 13 Canal, corner of Elm; and 98, 100, and 102 Walker. Apply to M. J. GAUDU, Engineer, 102 Walker st. 204

MACHINE GROUND CIRCULAR SAWS—(Patent applied for.) Mill men would do well to try these saws, are perfectly free from thin or thick places, can be used thinner and with less set, and run faster than any other hitherto made. All diameters and thicknesses warranted perfectly true. HENSHAW & CLEMSON, 31 Exchange street, Boston. 195

THE FRENCH EXHIBITION—Parties who have applied for space in the French Palace of Industry, and who do not intend to be present at the Exhibition, are recommended by the undersigned to arrange with Messrs. Gardissal & Co., No. 29 Boulevard St. Martin, Paris, who are prepared to put upon Exhibition, attend, and effect sales of articles entrusted to their care. It is a responsible concern. S. H. WALES, State Commissioner, Scientific American Office. 204

BUFFALO MACHINERY DEPOT—Terrace St. and 86 Lloyd st., Buffalo; J. W. HOOKER, Proprietor, H. C. Brown, Superintendent, offers for sale Machinists' tools of all kinds; Engine Lathes, Planers, Drills, Chucks, Boring Mills; also machinery of all kinds on hand or furnished to order. 71f

STAVE AND BARREL MACHINERY—Hutchinson's Patent. This machinery which received the highest award at the Crystal Palace, is now in daily operation there. Staves, heading, &c., prepared by it are worth to the cooper 20 to 40 per cent. more than when finished in any other way. Special attention is invited to the improved Stave Jointer. Apply to C. B. HUTCHINSON & CO., Crystal Palace, or Auburn, N. Y. 13 f

PATENT DRIERS—Zinc Driers, Graining Colors, Stove Polish, Gold Size, &c., &c., 114 John street, New York. QUARTERMAN & SON, Manufacturers. 16m

HARRISON'S GRAIN MILLS—Latest Patent.—\$1000 reward offered by the patentee for their equal. A supply constantly on hand. Liberal Commissions paid to agents. For further information address New Haven Manufacturing Co., New Haven, Conn., or to S. O. HILLS, our agent, 12 Platt Street, New York. 13f

NORCROSS ROTARY PLANING MACHINE—The Supreme Court of the U. S., at the Term of 1853 and 1854, having decided that the patent granted to Nicholas G. Norcross, of date Feb. 12, 1850, for a Rotary Planing Machine for Planing Boards and Planks, is not an infringement of the Woodworth Patent. Rights to use N. G. Norcross's patented machine can be purchased on application to N. G. NORCROSS, 208 Broadway, New York. Office for sale of rights at 208 Broadway, New York; Boston, 27 State street, and Lowell, Mass. 16m

CHEAP LIGHT—A. M. MACE, manufacturer of atmospheric or Benzole Gas Machines: size from 2 to 1000 lights. All orders promptly executed corner of Main street and Harrison avenue, Springfield, Mass. 153m

MACHINISTS TOOLS—SHRIVER & BROS., Cumberland, Md., (on B. and O. Railroad, midway between Baltimore and the Ohio River,) manufacturers of Lathes, Iron Planers, Drills and other machinists tools 50 6m

STATIONARY STEAM ENGINES—The subscriber is now prepared to furnish, with or without pumps, boilers, &c., Horizontal Engines on iron bed frames, good strong, substantial, plain finished engines that will do good service, say from 4 horse, \$215, to 30 horse, \$1,027; they have Judson's patent valves, and will be warranted to work well. S. C. HILLS, 9 3/4 St. 12 Platt st., New York.

WIRE ROPE OF IRON AND COPPER—For Mines, Inclined Planes, Hoisting and Steering purposes, Stays or Braces, &c., &c., much safer and far more durable than the best hemp or hyde ropes. Also for Sash Weights, Dumb Waiters, Lightning Conductors, &c. CHARLES W. COPELAND, No. 64 Broadway. 14 60wtf

A. B. ELY, Counsellor at Law, 52 Washington st., Boston, will give particular attention to Patent Cases. Refers to Messrs. Munn & Co., Scientific American. 16 12

VAIL'S CELEBRATED PORTABLE STEAM Engines and Saw Mills, Bogardus' Horsepower, Smut Machines, Saw and Grist Mill Irons and Gearing, Saw Gummers, Ratchet Drills, &c. Orders for light and heavy forging and castings executed with dispatch. 8 1/2 VAIL & CO., 9 Gold st., N. Y.

NORTHVILLE MACHINE WORKS—Manufacturers of Machinists Tools, consisting of Engine Lathes, Power Planers, Hand Lathes, Engine Lathes for turning chair stuff, all of the most improved patterns and quality of workmanship. Worcester, Northville, Mass., August 1854. TAFT & GLEASON. 50 17

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American and Foreign Patent Agency.

IMPORTANT TO INVENTORS.—MESSRS. MUNN & CO., Publishers and Proprietors of the SCIENTIFIC AMERICAN, continue to prepare specifications and drawings, and attend to procuring patents for new inventions in the United States, Great Britain, France, Belgium, Holland, Austria, Spain, etc., etc. We have constantly employed under our personal supervision a competent board of Scientific Examiners, which enables us to dispatch with great facility a very large amount of business. Inventors are reminded that all matter entrusted to our care are strictly confidential, and hence it is unnecessary for them to incur the expense of attending in person. They should first send us a sketch and description of the invention, and we will carefully examine it, state our opinion, and the expense of making an application, if deemed new and worthy of it. Models and fees can be sent with safety from any part of the country by express. In this respect New York is more accessible than any other city in our country. Circulars of information will be sent free of postage to any one wishing to learn the preliminary steps toward making an application.

Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequalled. This branch of our business receives the especial attention of one of the members of the firm, who is prepared to advise with inventors and manufacturers at all times, relating to Foreign Patents.

It is very important that trustworthy and competent agents should be employed in securing patents, as great care is necessary in the preparation of the papers, as well as integrity in taking proper care of the case until the inventor is duly invested with his legal rights. Parties intrusting their business in our hands can rely upon prompt and faithful attention. Most of the patents obtained by Americans in foreign countries are secured through us; while it is well known that the largest proportion of patents applied for in the U. S., go through our agency.

The offices of Messrs. Munn & Co.'s American and Foreign Patent Agency are at 135 Fulton Street, New York; London, 32 Strand; Paris, No. 29 Boulevard St. Martin; Brussels, No. 6 Rue D'Or.

TO ENGRAVERS AND CALICO PRINTERS.—The subscriber would like to sell State, county, or individual rights for his patent self-acting punching apparatus for shading small pattern and plain figured. It can be attached to any old screw machine for a trifling expense, and is warranted to give satisfaction or no pay. Reference, Messrs. Abbot & Saunders, Crimpton Print-works, Warwick; R. L. James Arthur, foreman engraver, Baxendale's patent eccentric doctor motion also for sale. For further particulars address JAMES BAXENDALE, care B. Dean & Son, Providence, R. I. P. S. Wanted, an old second-hand screw engraving machine. 222

PORTABLE STEAM SAW MILL ENGINES.—Silver Medals awarded by the Franklin Institute and Pennsylvania State Agricultural Society in 1851, 1853, and 1854. A number of these engines are now at work driving portable up and down, and circular saw mills, also mills where the water power has failed. Circular saws by address to the inventor, A. L. ARCHAMBAULT, 15th and Hamilton sts., Philadelphia, Pa. N. B. Portable engines always on hand. 224

ELECTRO MAGNETIC MACHINES.—TELEGRAPH Registers, Receiving Magnets and keys manufactured and for sale at No. 57 South Seventh street, Philadelphia, by W. C. & J. NEFF. 227

UNITED STATES PATENT OFFICE, Washington, Jan. 11, 1855.

ON THE PETITION of Lorin Coes, of Worcester, Mass., praying for the extension of a patent granted to him on the 16th day of April, 1841, for an improvement in "screw wrenches," for seven years from the expiration of said patent, which takes place on the 16th day of April, 1855.

It is ordered, that the said petition be heard at the Patent Office, on Monday, the 2nd of April next, at 12 o'clock, M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted.

Persons opposing the extension are required to file in the Patent Office, their objections, specially set forth in writing, at least twenty days before the day of hearing; all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 22nd of March; depositions and other papers relied on as testimony, must be in the office on or before the morning of that day, the arguments, if any, within ten days thereafter.

Ordered, also, that this notice be published in the Union, Intelligence, and Evening Star, Washington, D. C.; Evening Argus, Philadelphia, Pa.; Scientific American, New York, and Boston, Boston, Mass., once a week for three successive weeks previous to the 2nd day of April next, the day of hearing.

CHARLES MASON, Commissioner of Patents.

P. S.—Editors of the above papers will please copy, and send their bills to the Patent Office, with a paper containing this notice. 20 3

TEVIS & BARBAROUX, LOUISVILLE, KY.—Manufacturers of Steam Engines, Mill Machinery, superior Force and Lift Pumps, cast Iron Screw Pipes for gas, steam, or water, largely used by railroads in supplying water stations, or suction pipes for pumps, etc., etc., being cheaper and better than copper or lead. Tobacco, Lead, Timber, and Mill Screws, always on hand. Cast Iron Railings, Railroad and Car wheels, other castings for railroads, and general job work. 20 4

ANGLO AMERICAN AGENCY—Office No. 20 Hatton Garden, London, for the introduction and sale by commission of American Manufactures, machinery, inventions, and articles suitable for the European and British markets. Parties desirous of introducing their goods to the notice of the European public, will find this the most advantageous, direct, and economical method. All communications must be post-paid, addressed to No. 20 Hatton Garden, London. 21 4

NEW HAVEN MANUFACTURING COMPANY—Machinists' Tools. 65 Iron patterns of all sizes; 350 Engine and Hand Lathes, all sizes; 50 Upright and Horizontal Drills; 25 Bolt Cutters; 10 Gear Cutters; all kinds and sizes of Chucks, Slide Rests, Hand Drills, &c. These tools are of superior quality, and as they are built by the quantity, can be afforded and will be sold at low rates. For cuts giving full description and prices, address New Haven Manufacturing Co., New Haven, Conn. 21 f

Important Items. MODELS—We are receiving almost daily, models of inventions which have not the names of their inventors marked upon them. This usually prevents us from taking any notice of them whatever. We shall esteem it a great favor if inventors will always attach their names to such models as they send us. It will save us much trouble, and sometimes prevent the model from being mislaid.

BACK NUMBERS AND VOLUMES—We have the following numbers and volumes of the SCIENTIFIC AMERICAN, which we can supply at the annexed prices:—Of Volume 5, forty numbers; price in sheets, \$1; bound, \$1.75. Of Volume 6, all; price in sheets, \$2; bound, \$2.75. Of Volume 7, all; price in sheets, \$2; bound, \$2.75. Of Volume 8, none complete, but about 30 numbers in sheets, which will be sold at 50 cents per set. Of Volume 9, complete in sheets, \$2; bound, \$2.75.