



C. A., of Me.—The greatest depth of descent by a diving bell recorded, so far as we know, was 170 feet. The figures to which you refer represent dollars and cents.—Biot & Guy Lussac ascended 13,000 feet in a balloon—the greatest balloon elevation known to us.

R. H. J., of Ky.—The fiber of the cypress bark is not so white in color as jute or indian hemp, but it is much stronger, and we think it might be made profitable to manufacture into small rope.

W. McD., of N. C.—Resin gas, we think, must be the cheapest for your State. It is easier to manufacture for public illumination than coal gas. You will find a full description of the method of manufacturing it in Parnell's Chemistry.

R. H., of N. Y.—Steam is employed in distilling various substances, such as coal oil, camphene, &c.

Money received at the SCIENTIFIC AMERICAN Office, on account of Patent Office business for the week ending Saturday, Oct. 18, 1856.—S. B. H., of N. Y., \$30; B. & P., of Wis., \$30; T. H. of Pa., \$30; J. P. of O., \$25; S. B. H., of N. Y., \$55; G. & F., of N. Y., \$30; J. H. Y., of Mo., \$25; D. & R., of N. Y., \$5; J. S., of Cal., \$30; E. & G., of Vt., \$30; G. C. 2d. of Conn., \$25; J. M. J., of Ala., \$10; L. S., of Conn., \$30; J. G. P., of N. Y., \$250; L. W. B., of N. Y., \$155; O. H. N., of N. Y., \$30; J. C. S., of Mass., \$25; V. N. M., of N. C., \$30; W. C., of L. I., \$30; G. W. D., of N. Y., \$30; C. W., of Conn., \$30; C. H. B., of N. Y., \$55; T. R. H., of Conn., \$55; J. T. R., of N. Y., \$25; G. S. B., of Conn., \$55; W. W., of N. Y., \$30; M. L., of N. Y., \$25; O. O. W., of N. Y., \$25; W. M., of N. Y., \$25; G. F., of L. I., \$55; E. L. E., of Conn., \$20; F. & B., of N. Y., \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Oct. 18th.—J. J. P., of O.; M. L., of N. Y.; J. L., of Ohio. A. G. C., of Vt.; O. V. D. R., of Ill.; J. & R., of N. Y.; G. C., of Conn., 2nd.; J. H. Y., of Mo.; H. G., of Canada; A. D. B., of Prussia; G. H., of L. I.; O. O. W., of N. Y.; W. & M., of N. Y.; G. F., of L. I.; F. & B., of N. Y.

Subscribers to the SCIENTIFIC AMERICAN who fail to get their papers regularly will oblige the publishers by stating their complaints in writing. Those who may have missed certain numbers can usually have them supplied by addressing a note to the office of publication.

TO THE PRESS.—Any newspaper or publication which is entitled to the SCIENTIFIC AMERICAN on the terms prescribed in the Circular which was sent from this office a few weeks ago, and does not receive it regular, is requested to make complaint to this office, when the omission shall be promptly corrected.

INVENTORS SENDING MODELS to our address should always enclose the express receipt, showing that the transit expenses have been prepaid. By observing this rule we are able, in a great majority of cases, to prevent the collection of double charges.

IMPORTANT TO INVENTORS.

THE UNDERSIGNED having had TEN years' practical experience in soliciting PATENTS in this and foreign countries, beg to give notice that they continue to offer their services to all who may desire to secure Patents at home or abroad.

J. R. STAFFORD'S FAMILY RECEIPT BOOK. Containing 150 Household Receipts, all of them practical, and most of them new to the public. Also accounts of several new discoveries and recent improvements interesting to Mechanics and Farmers.

BOONE'S PATENT ROPE MACHINE is an invention of great utility. Those who have had it in operation about six months, with a number of superintendants, who for workmanship have long been known to be at the head of their profession as rope manufacturers, unite in giving the highest premium to the machine for manufacturing small rope that they ever saw.

SALE OF PATENTS.—Great Central Inventors, Machinery, and Patent Right Depot, No. 212 Broadway, cor. of Fulton st., New York.

THE COMBINATION PORTABLE STEAM SAW-MILL.—This is a new upright mill, so simple in its construction that any one can put it up and run it—its easily moved from place to place—may be easily shipped any part of the country.

PORTABLE STEAM ENGINES.—S. C. HILLS No. 12 Platt st., N. Y., offers for sale these Engines, with Boilers, Pumps, Heaters, etc., all complete, and very compact, from 2 to 10 horse power, suitable for printers, carpenters, farmers, planters, &c.

ENGINEERING.—The undersigned is prepared to furnish specifications, estimates, plans in general or detail of steamships, steamboats, propellers, high and low pressure engines, boilers and machinery of every description.

CLARK'S PATENT WATER REGULATOR.—The only perfect security against steam boiler explosions, caused by want of water. Every steam boiler should have one. Regulators sold and applied and rights for most of the States and Territories, for sale by S. C. HILLS, 12 Platt st., N. Y.

THE NEW YORK DAILY SUN for \$2 a year. The miracle of the present age is accomplished by the Publisher of the New York Sun, in furnishing subscribers in clubs of thirty or more with the daily paper by mail for \$2 a year.

SUPERIOR MACHINISTS TOOLS.—Slotting-machines, Planers, Compound Planers, Lathes, Drills, Gear Cutters, &c., &c., constantly on hand, and made to order at short notice by CARPENTER & PLASS, 479 First Avenue, N. Y.

WOODWORTH'S PATENT PLANING, Tonguing, and Grooving Machines.—The subscriber, from his twenty-four years' experience both in the use and manufacture of these unrivalled machines, is prepared to furnish them of a quality superior to any that can be procured elsewhere for the same money.

TWO INVENTORS AND PATENTEES.—The undersigned has established an agency for the sale of patent rights in the city of Baltimore, at No. 34 Second street. PHILIP T. TYSON.

IMPROVEMENT IN BORING MACHINES.—This improvement consists of an arrangement by which the auger can be driven in any direction the operator chooses, rendering the machine far superior to any other now in use. RICE & DRYDEN, Worcester, Mass.

MACHINE BELTING, Steam Packing, Engine Hose.—The superiority of these articles manufactured of vulcanized rubber is established. Every belt will be warranted superior to leather, at one-third less price.

KNITTING MACHINES.—Circular and straight Knitting machines of all sizes and gauges on hand and made to order. WALTER A. KEN, Franklin, N.H.

PAGE'S PATENT PERPETUAL LIME KILN, will burn 100 barrels of lime with three cords of wood every 24 hours; likewise my coal kiln will burn 150 bushel with 1 tub bituminous coal in the same time; coal is not mixed with limestone. Rights for sale.

50 STEAM ENGINE.—From 3 to 40 horse power also portable engines and boilers; they are first class engines, and will be sold cheap for cash. WM BURDON, 102 Front st., Brooklyn.

GOLD QUARTZ MILLS of the most improved construction; will crush more quartz and do it finer than any machine now in use, and costs much less. WM BURDON, 102 Front st., Brooklyn.

WAL'S CELEBRATED PORTABLE STEAM Engine and Saw Mills, Bagging Horsepowers, 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.

PAGE'S PATENT CIRCULAR SAW MILLS with Steam Engine and Boiler, on hand and for sale for \$1500, at Schenck Machine Depot, 163 Greenwich st. New York. A. L. ACKERMAN.

BARREL MACHINERY.—CROZIER'S PATENT is unrivalled in point of quality and quantity of work performed, and may be seen in constant operation at the Barrel Manufactory of the undersigned. For rights and machines address WELCH & CROZIER, Oswego, N. Y.

TWO CAR BUILDERS.—For Sale, one new Upright Boring Mill for boring car wheels. Maker's price \$600, will be sold for \$300 cash. Address GEO. S. LINCOLN & CO., Hartford, Ct.

BOILER FLUES.—All sizes and any length promptly furnished by JAMES O. MORSE & CO., No. 79 John st., N. Y.

WROUGHT-IRON PIPE.—Plain, also galvanized inside and outside, sold at wholesale by JAMES O. MORSE & CO., No. 79 John st., N. Y.

OIL! OIL! OIL!—For railroads, steamers, and for machinery and burning.—Pease's Improved Machinery and Burning Oil will save fifty per cent., and will not gum. This oil possesses qualities vitally essential for lubricating and burning, and is found in other oil. It is offered to the public upon the most reliable, thorough, and practical test. Our most skillful engineers and machinists pronounce its superior and cheaper than any other, and the only oil that is in all cases reliable and will not gum.

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.

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engine and Hand Lathes, Drills, Bolt Cutters, Gear Cutters, Chucks, &c., on hand and finishing. These Tools are of superior quality, and are for sale low for cash or approved paper. For cuts giving full description and prices, address, "New Haven Manufacturing Co., New Haven, Conn."

HARRISON'S 30 INCH GRAIN MILLS.—Latest Patent.—A supply constantly on hand. Price \$200. Address New Haven Manufacturing Co., New Haven, Conn.

BOILER INCURSTATIONS PREVENTED.—A simple and cheap condenser manufactured by Wm. Burdon, 102 Front st., Brooklyn, will take every particle of lime or salt out of the water, rendering it as pure as Croton, before entering the boiler. Persons in want of such machines will please state what the bore and stroke of the engines are, and what kind of water is to be used.