

TO MACHINISTS.—WANTED, A FOREMAN FOR A shop employing about 20 hands, and manufacturing...

A FINE CHANCE FOR 'BUSINESS IN SAN FRANCISCO; a competent man wanted. Address P. O. Box No. 550...

SURVEYORS, CIVIL ENGINEERS, AND THOSE INTERESTED in accurate measurements, will, by sending their address...

A B C D E F G — 123456. — METALLIC LETTERS AND FIGURES to put on patterns.

Table with 4 columns for Size, Price, and two other metrics, listing ROMAN STYLE and GOTHIC STYLE letters.

STEREOSCOPICS—FOR PUBLIC EXHIBITIONS or family entertainments, producing on the wall or screen...

A NEW STYLE OF KNITTING MACHINE, JUST OUT, for family use and manufacturing purposes; elegantly constructed...

TO MACHINISTS.—FOR SALE, A SUSPENSION Drill, quite new; never used; will be sold cheap. Apply to STOKES & BROTHK, corner of Cliff and Fulton-streets, New York.

VALUABLE NEW PATENT FOR SALE—HOSTETTER'S combined Bag-holder and Conveyor. Send for circular and description.

ADVICES AND CONSULTATIONS ON CHEMISTRY applied to the Arts and Manufactures, Agriculture, &c.; Commercial Essays; Plans of Factories; Drawings of Apparatuses.

CHARLES T. & I. N. CHESTER, NO. 104 CENTER-street, New York, have long been established in the Telegraph Supply and Manufacturing business, and are prepared to furnish to order any apparatus...

BRYANT'S COPYING INSTRUMENTS FOR ENLARGING or reducing pictures from two to nine times with positive accuracy, including Photographs, Amrotypes, and Drawings from Nature.

N. E. HULL, MANUFACTURER OF PATENT BELT Hook Pliers and Belt Punch, Nashua, N. H.

THE AMERICAN ENGINEER—A WEEKLY JOURNAL, devoted to the interests of Marine, Locomotive and Stationary Engineers. This paper is now in its third volume, and is enlarged to sixteen pages.

STEVENSON'S JONVAL TURBINE WATER WHEELS, which gave a useful effect of .9077 per cent of the power employed at the late trial of water wheels at the Fairmount Works, Philadelphia, March 9, 1860.

WOODWORTH PLANERS—PLANE 18 AND 24 inches wide, \$85 and \$90. Also ironing and mending machines; one second hand steam engine, 15 horse power; four engine lathes, second hand.

TO LECTURERS AND EXHIBITORS.—OXYCALCIUM lanterns to exhibit stereoscopic pictures on a screen 12 to 18 feet in diameter. Oxycalcium lantern, with microscope attachment.

WARREN'S TURBINE WATERWHEEL (WARREN & Damon's patent).—Cotton and woolen manufactures, mill-wrights and millowners, and every mechanic who would economize in water power, should investigate this wheel.

BOOK ON PORTABLE ENGINES.—"PRACTICAL INSTRUCTIONS for the Portable Engine, Enabling Every One to be His Own Engineer; by a Graduate of the Military Academy, and Former Member of the United States Corps of Engineers."

LANTERNS ARRANGED FOR THE NEW OXYGEN lime light and pictures for the stereopticon, also photographs; the finest magic lantern pictures ever produced.

SULPHATE OF AMMONIA, SUITABLE FOR AGRICULTURAL and chemical purposes, for sale by DODGE, COLVILLE & OLCOTT, No. 188 Pearl-street, New York.

A MESSIEURS LES INVENTEURS.—AVIS IMPORTANT. Les Inventeurs non familiers avec la langue anglaise et qui préféreraient nous communiquer leurs inventions en Français, peuvent adresser dans leur langue natale.

HOUSES FOR THE INDUSTRIOUS, IN THE GARDEN STATE OF THE WEST.

ILLINOIS CENTRAL RAILROAD COMPANY HAVE FOR SALE 1,200,000 ACRES OF RICH FARMING LANDS...

TRACTS OF FORTY ACRES AND UPWARD ON LONG CREDIT AND AT LOW PRICES.

MECHANICS, FARMERS AND WORKING MEN. The attention of the enterprising and industrious portion of the community is directed to the following statements and liberal inducements offered them by the ILLINOIS CENTRAL RAILROAD COMPANY,

which, as they will perceive, will enable them, by proper energy, perseverance and industry, to provide comfortable homes for themselves and families, with, comparatively speaking, very little capital.

LANDS OF ILLINOIS. No state in the Valley of the Mississippi offers so great an inducement to the settler as the State of Illinois. There is no portion of the world where all of the conditions of climate and soil so admirably combine to produce those two great staples—corn and wheat—as the prairies of Illinois.

THE SOUTHERN PART OF the State lies within the zone of the cotton regions, while the soil is admirably adapted to the growth of tobacco and hemp; and the wheat is worth from fifteen to twenty cents more per bushel than that raised further North.

RICH ROLLING PRAIRIE LANDS. The deep rich loam of the prairies is cultivated with such wonderful facility that the farmers of the Eastern and Middle States are moving to Illinois in great numbers. The area of Illinois is about equal to that of England and the soil is so rich that it will support twenty millions of people.

EASTERN AND SOUTHERN MARKETS. These lands are contiguous to a railroad 700 miles in length, which connects with other roads, and navigable lakes and rivers, thus affording an unbroken communication with the Eastern and Southern markets.

APPLICATION OF CAPITAL. Thus far, capital and labor have been applied to developing the soil; the great resources of the State in coal and iron are almost untouched. The invariable rule that the mechanical arts flourish best where food and fuel are cheapest, will follow at an early day in Illinois, and in the course of the next ten years the natural laws and necessities of the case warrant the belief that at least five hundred thousand people will be engaged in the State of Illinois in various manufacturing pursuits.

RAILROAD SYSTEM OF ILLINOIS. Over \$100,000,000 of private capital have been expended on the railroads of Illinois. Inasmuch as part of the income from several of these works, with a valuable public fund in lands, go to diminish the State expenses, the taxes are light, and must, consequently, every day decrease.

THE STATE DEBT. The State debt is only \$10,106,398.14, and, within the last three years, has been reduced \$2,959,746.80; and we may reasonably expect that in ten years it will become extinct.

PRESENT POPULATION. The State is rapidly filling up with population; 868,026 persons having been added since 1850, making the present population 1,722,563—a ratio of 102 per cent in ten years.

AGRICULTURAL PRODUCTS. The agricultural products of Illinois are greater than those of any other State. The products sent out during the past year exceeded 1,500,000 tons. The wheat crop of 1860 approaches 35,000,000 bushels, while the corn crop yields not less than 140,000,000 bushels.

FERTILITY OF THE SOIL. Nowhere can the industrious farmer secure such immediate results for his labor as upon these prairie soils, they being composed of a deep, rich loam, the fertility of which is unsurpassed by any on the globe.

TO ACTUAL CULTIVATORS. Since 1854, the company have sold 1,300,000 acres. They sell only to actual cultivators, and every contract contains an agreement to cultivate. The road has been constructed through these lands at an expense of \$30,000,000. In 1850, the population of the forty-nine counties through which it passes was only 335,593, since which 479,923 have been added, making the whole population 814,591—a gain of 143 per cent.

EVIDENCES OF PROSPERITY. As an evidence of the thrift of the people, it may be stated that 600,000 tons of freight, including 8,600,000 bushels of grain and 250,000 barrels of flour, were forwarded over the line last year.

EDUCATION. Mechanics and working men will find the free school system encouraged by the State, and endowed with a large revenue for the support of schools. Their children can live in sight of the church and schoolhouse and grow with the prosperity of the leading State in the Great Western Empire.

PRICES AND TERMS OF PAYMENT. The prices of these lands vary from \$6 to \$25 per acre, according to location, quality, &c. First-class farming lands sell for about \$10 or \$12 per acre; and the relative expense of subduing prairie land as compared with wood land is in the ratio of 1 to 10 in favor of the former. The terms of sale for the bulk of these lands will be ONE YEAR'S INTEREST IN ADVANCE, at six per cent per annum, and six interest notes at six percent, payable respectively in one, two, three, four, five and six years from date of sale; and four notes for principal, payable in four, five, six and seven years from date of sale; the contract stipulating that one-tenth of the tract purchased shall be fenced and cultivated, each and every year, for five years from the date of sale, so that, at the end of five years, one-half shall be fenced and under cultivation.

TWENTY PER CENT WILL BE DEDUCTED from the valuation for cash, except the same should be at six dollars per acre, when the cash price will be five dollars.

Pamphlets descriptive of the lands, soil, climate, productions, prices, and terms of payment, can be had on application to J. W. FOSTER, Land Commissioner, Illinois Central Railroad, Chicago, Ill.

For the names of the towns, villages and cities situated upon the Illinois Central Railroad, see pages 188, 189, 190, Appleton's Railway Guide.

PORTER'S IMPROVED GOVERNOR.

The reputation of these governors is well established. Parties troubled with unsady power may send for them in entire confidence. They never fail.

The numerous valves in use are all equally good, if well made; the form of the opening is immaterial. The governors are warranted to work perfectly with any and all valves, which move freely and close tolerably tight. A style is made expressly adapted to waterwheels, to which they will give a perfectly uniform motion, under any variation of resistance. I have long done with troubling my customers for certificates; but am able to refer to a large number of parties now using this governor in a majority of the States of the Union.

I will send a governor to any responsible party for trial. If it does not operate perfectly it may be returned. A liberal discount to the trade, whose orders will always be promptly filled.

CHARLES T. PORTER, No. 235 West Thirteenth-street, corner of Ninth-avenue, New York City.

CHARLES A. SEELY, CHEMIST, NO. 424 BROADWAY, New York. Analyses of ores, minerals, articles of commerce, &c. Advice and instruction in chemical processes generally. Advice on chemical patents.

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 equally essential for lubricating engines, and found in no other oil. It is offered to the public upon the most reliable, thorough and practical test. Our most skillful engineers and machinists pronounce it superior to and cheaper than any other, and the only oil that is in all cases reliable and will not gum. The Scientific American, after several tests, pronounces it "superior to any other they have ever used for machinery." For sale only by the Inventor and Manufacturer F. B. PEAPE, No. 61 Main-street, Buffalo, N. Y.

N. B.—Reliable orders filled for any part of the United States and Europe.

PUMPS! PUMPS!! PUMPS!!!—CARY'S IMPROVED Rotary Force Pump, unrivaled for pumping hot or cold liquids. Manufactured and sold by CARY & BRAINERD, Broekport, N. Y. Also, sold by J. C. CARY, No. 2 Astor House, New York City.

NEW SHINGLE MACHINE—THAT WILL RIVE AND Shave 24,000 Shingles in a day, for sale by S. C. HILLS, No. 12 Platt-street, New York.

TRAVELING AGENTS WANTED—TO SELL A NEW and valuable machine on commission or salary. For instructions and terms, address, with stamps, J. W. HARRIS & CO., Boston, 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. The Steam Packing is made in every variety, and warranted to stand 300 degs. of heat. The Hose never needs oiling, and is warranted to stand any required pressure; together with all varieties of rubber adapted to mechanical purposes. Directions, prices, &c., can be obtained by mail or otherwise at our warehouse. NEW YORK BELTING AND PACKING COMPANY. JOHN H. CHEEVER, Treasurer, Nos. 37 and 38 Park-row, New York.

SCIENTIFIC REPORTING.—PATENT SUITS, INVOLVED in questions of science or mechanics, reported verbatim: scientific lectures, or the proceedings of scientific societies, either reported in full or condensed, by HENRY M. PARKHURST, of the firm of Burr & Lord, Short-hand Writers and Law Reporters, No. 121 Nassau-street, New York.

GUILD & GARRISON'S STEAM PUMPS FOR ALL kinds of independent Steam Pumping, for sale at Nos. 55 and 57 First-street, Williamsburgh, L. I., and No. 74 Beekman-street, New York.

CLINTON WIRE CLOTH COMPANY—MANUFACTURERS of Power Loom Wire Cloth, for threshing machines, fan mills, rain sorters, rice mills, locomotive spark-arresters, and all other uses, of a superior quality. Contracts made with the trade and large concerns, on such terms that they will find it to their interest to take their supply from us. Our trademark is "Power Loom Wire Cloth." C. H. WATERS, Agent and Treasurer, Clinton, Mass.

SOLID EMERY VULCANITE.—WE ARE NOW MANUFACTURING wheels of this remarkable substance for cutting, grinding and polishing metals, that will outwear hundreds of the kind commonly used, and will do a much greater amount of work in the same time, and more efficiently. All interested can see them in operation at our warehouse, or circulars describing them will be furnished by mail.

NEW YORK BELTING AND PACKING CO., Nos. 37 and 38 Park-row, New York.

PECK'S PATENT DROP PRESS.—THE MOST PERFECT machine in use for the manufacture of silver, copper or tin-ware, spoons, jewelry, farging, &c. Manufactured by the patentee.

C. L. GODDARD, AGENT, NO. 3 BOWLING GREEN, New York. Only manufacturer of the Steel Ring and Solid Packing Burring Machines and Feed Rolls for Wool Cards, &c.

IRON PLANERS, ENGINE LATHES, AND OTHER Machinists' Tools, of superior quality, on hand and finishing, and for sale low; also Harrison's Grain Mills. For descriptive circular address New Haven Manufacturing Company, New Haven, Conn.

WOODWORTH PLANERS—IRON FRAMES TO PLANE 18 to 24 inches wide, at \$90 to \$110. For sale by S. C. HILLS, No. 12 Platt-street, New York.

PORTABLE STEAM ENGINES—COMBINING THE maximum of efficiency, durability and economy with the minimum of weight and price. They received the large GOLD MEDAL of the American Institute at their late Fair, as the "Best Portable Steam Engine." Particularly adapted to railway purposes, as repair shop and station engines. Every engine warranted satisfactory, or no sale. Descriptive circulars sent on application. Address J. C. HOADLEY, Lawrence, Mass.

Zur Beachtung für deutsche Erfinder. Die Unterzeichneten haben eine Anektion, die Erfindern das Verhalten anzeigt, um sich ihre Patente zu sichern, &c.

Die Patente-Gesellschaft der Vereinigten Staaten, nebst den Regeln und der Geschäftsordnung der Patent-Office und Anleitungen für Erfinder, um sich Patente zu sichern, in den Ver. St. sowohl als in Europa. Ferner Auszüge aus den Patent-Belegungen fremder Länder und darauf bezügliche Nachrichten; ebenfalls nützliche Hinte für Erfinder und solche, welche Patente zu erwerben wollen.

Preis 20 Cts., per Post 25 Cts.