## Scientific American.

## TO CORRESPONDENTS.

A. E., of O .- Your order for the return of your patent will be necessary at the Patent Office. Write to the Commissioner that you conclude to abandon the application for additional improvements and that you wish your original patent returned to you by mail, and it will be forthcoming in due time.

We would advise you to correspond with T. H. Leavitt Boston, Mass., concerning the introduction of your patent

A. H. B., of Mass.-There are machines in use for swedging solid balls, but we do not know of one employed for manufacturing Minie balls. They are all cast, we believe, as the mold requires a core to make the hollow chamber in each.

D. D., of Ohio.-It requires a more powerful battery for a long than a short telegraph line. A spring has been used to act against the momentum of a saw-gate. You can purchase a small battery for three dollars—their price is from a dollar and a half upwards, according to

made of cast-iron, combined with a steel edge? Is it not wrought iron? We have heard of cast steel and castiron being formed into one instrument by running the molten metal of both in the same mold, but we never saw a pair of scissors so made.

J. P. W. D., of Ill.-A machine operated by an elec tro-magnet, would be no more a perpetual motion than an engine propelled by steam.

J. B., of Ill.—There are no public premiums offered for perpetual motion inventions,—a perpetual motion machine is an impossibility. It must contain the elements of a self-sustaining power within itself. Do not spend time nor money on such notions. Being a mechanic you have neither time nor labor, nor money to throw

H. B. M., of Conn.—You can obtain six-horse power from the engine you describe, if the boiler is strong and can raise the steam to stand a pressure of 60 lbs. on

J. R. C., of N. H.-The Report of the Coast Survey for 1854 is published. If you write to Prof. Bache he will give you the desired information.

O. W. W. of N. Y -We have carefully examined the sketch of your wrench, and it appears to us to embrace novelty of a patentable character, You had better send

J. P., of Ala.—Anti-friction rollers, as applied to journal boxes, are not new. They are old and well-known for

H. E. S., of Iowa.-We have received so many letters on "what saws can do," that we cannot find room for half of them. C. W. Jr., of N. Y.—As soon as we receive a note from

Mr. T. sattorney, of the time and place of his testimony being taken, we will notify you by mail.

P. D., of N. Y.—The common opinion that steam is visi

ble, is erroneous: it is transparent, and not visible, it becomes apparent to the vision when it mingles with the atmosphere.

E. C., of N. Y.-It requires nearly one horse-power to grind a bushel of grain in an hour. You would require a wheel of about five-horse power, which on a 25 feet fall would take 660 pounds of water per minute, for five bushels per hour. We cannot give you practical data regard ing Frazee's saw. There is no first-rate work on millwrighting published.

E.H.B., of Me.—Your plan of returning the smoke of coal by a blower from the chimney, and forcing it through the fire, to consume it, is not new, nor is it a good plan. The smoke will require to be mixed with air or it will not ignite in the furnace, and this you have not p

R. De V., of N. Y.-We understand that the acclimation of the Angora goat has been successful in South Carolina, and that an imported flock of four has increased to fifty in six years.

H. W. R., of Va.-Zincography is the art of printing with zinc plates in the same manner as with lithographic stones. Prints of engravings, &c., can be transferred to zinc plates, and printed therefrom. The printed engraving or copy is first moistened with diluted nitric acid, and then pressed, with considerable force, by a roller on a perfectly clear surface of zinc. By this means every part of the sheet of paper is brought in contact with the plates of zinc. The acid, with which the imprinted part of the paper is saturated, etches the metal, and the printed portion sets it off, so that the zinc surface presents a com-plete reverse copy of the work. The zinc plate, thus prepared, is washed with a solution of gum in weak phosphatic acid. The liquid is attracted by the etched surface, which it fully wets, while it is repelled by the oil of the ink in which the writing or drawing on the paper is traced. A roller covered with ink is then passed over the plate, when a converse effect en ues. The repulsion between the oil, ink, and the watery surface, over which the roller passes, prevents any soiling of the unfigured parts of the zinc plates: while the attraction between oil and oil causes the ink to be distributed over the printed portions. For coarse designs—such as plain surveyors maps, it is the cheapest method of printing known.

T. S., of Ohio—In some future number we may give yo further statistics regarding Burden's big wheel.

Instructed—Gillespie's Surveying, published by D. Ap-leton & Co., this city, will give you the desired informa tion. Any work on geometry will give you the necessary information regarding the measuring of timber.

H. W. C., of Mass.-The following is the method of ster of Paris figures -Make a varnish isinglass, by dissolving a little of it in water, then lay it over the figure until every part of it is equally wet -When this is dry, go over the figure again with a little size, but let no more size be on the brush than that which may barely dampit: the figure will now have a shining appearance, when it will be fit to receive the bronze The bronze powder is dusted on with a little cotton wool and the figure is put past to dry, when all the loose pow

der is rubbed away.

L. A. B., of N. Y.—We have not the Secretary of the Treasury's report for 1855 on hand, therefore we cannot give the data desired respecting the manufactured and rough willow imported from abroad. We believe there must be some mistake in the Tribune's statement. The wiłlow work sold in this city is mostly all manufactured by the French and Germans residing in the suburbs .-The value of willows imported in one year, as given in the American Almanac, only amounts to \$28,000. We have no knowledge of the Tribune's statement.

B. C. C., of Texas-We have not heard of the publication of Morde Cai's report on military inspection in Russia. The Sci. Am. is sent to you regularly, and the irregularity results from the confusion of the mail in its frequent changes before it reaches you.

M. L., of Texas-Why do you not test the power of your steam on a current wheel having paddles one foot square. It would be easy for you to do this, and would be the most satisfactory to yourself. The current wheels used here have their floats placed radially; they are used for the tides, while yours would always run in the same direc tion.

Money received at the Scientific American Office on account of Patent Office business for the week ending Saturday, May 17, 1856 :-

H. W., of N. Y., \$25 : A. R. H., of Pa., \$25 : J. B. C., of N. Y., \$25; J. F. O., of Ala., \$30; J. L. G., of Ga., \$20; E. T., of N. J., \$30; C. W. O'L., of Ga., \$5; B. B., of N. Y., \$100; C. O. L., of Ill., \$25; J. DeS., of L. I., \$30; H. A., of Conn., \$25; H. B. C., of N. Y., \$55; H. & E. W., of N. Y., \$45: J. R., of Pa., \$50; M. L. P., of Tex., \$25; W K. P., of Mass., \$30; G. W. H., of N. Y., \$25; J. B. R., of Ala., \$1,100; D. F. B., of N. J., \$25: J. H. W., of N. Y., \$30; D. B., of N. Y., \$39; D & B., of N. J., \$30; A. B., of O., \$60; G. & H., of Ill., \$10; W. G. C., of O., \$55: J. C. L., of Mich., \$30; H. P., of O., \$23; W. M. O., & B., of N. Y., \$30; A. S., of N. Y., \$250; T. A. D., of Cal., \$25; J. W., of N. Y., \$90; T. V., of Cal., \$30: E. S. C., of Mass. \$25: J. F. F., of Mass., \$30; J. W. R., of Va., \$20; C. W. G., of Conn., \$30; J. C., of N. Y., \$120; M. & R., of N. Y., \$25; W. H. B., of Ind., \$5; E. & G., of Vt., \$55; J. B., of Ill., \$30; J. M., Jr., of N. Y., \$30.

Specifications and drawings helonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, May 17:—

J. B. C., of N. Y.; H. A., of Conn.; A. R. H., of Pa.; C. O. L., of Ill.; J. B., of Ill.; M. L. P., of Tex.; J. R., of Pa. (2 cases); J. W., of Conn.; E. & H. W., of N. Y.; G. W.H., of N.Y.; M. & R., of N.Y.; D. & B., of Mich. D. F. B., of Pa.: A. B., of O.; D. A. B., of O.; W. R. T., of O.; J. C., of N. Y.; W. H. B., of Ind.; D. & McN., of N. Y.; E. S. C., of Mass.; J. F. O., of Ala.

## Important Items.

To the Unfortunate—We are no longer able to supply the back numbers of the present volume previous to No. 27, except from 1 to 12. Such numbers as we have to furnish, are gratuitously supplied to such subscribers as failed to receive them; and we would take occasion to state, that any person failing to receive their paper regularly, will confer a favor by notifying us of the fact. Missing numbers should be ordered early, to insure their receipt, as an entire edition is often exhausted within ten days after the date of pub-

Models—We shall esteem it a greatfavor if inventors will always attach their names to such models as they send us. It will save us much trouble, and prevent the liability of their being mislaid.

PATENT CLAIMS—Persons desiring the claim of any invention which has been patented within fourteen years can obtain a copy by addressing a letter to this office stating the name of the patentee, and date of patent when known, and enclosing \$1 as fees for copying.

RECEIPTS—When money is paid at the office for subscription, a receiptfor it will always be given; but when subscribers remit their money by mail, they may consider the arrival of the first paper a bona fide acknowledgment of the receipt of their funds.

Terms of Advertising.								
4	lines,	for each	insertion,		•	-	-	\$1
8	••	**	"		-	-	-	\$2
12	"	"		-	-	-	-	\$3
16	"	"	•	-	-	-	-	\$4

neither can engravings be inserted in the advertising col-Alladvertisements must be paid for before insert

## IMPORTANT TO INVENT-

Private consultations respecting the patentability of inprivate consultations respecting the patentability of in-

and facilities which rew others possess, we are able to give the most correct counsels to inventors in regard to the patentability of inventions placed before us for examination.

Private consultations respecting the patentability of inventions are held free of charge, with inventors, at our office, from 9 A. M., until 4 P. M. Parties residing at a distance are informed that it is generally unnecessary for them to incur the expense of attending in person, as all the steps necessary to secure a patent can be arranged by letter. A rough sketch and description of the improvement should be first forwarded, which we will examine and give an opinion as to patentability, without charge. 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 towards making an application.

In addition to the advantages which the long experience and great success of our firm in obtaining patents present to inventors, they are informed that all inventions patented through our establishment, are noticed, at the propertime, in the Scientific American in foreign countries are secured through us, while it is well known that a very large proportion of all the patents applied for in the U. S., go through our agency.

MUNN & CO.

American and Foreign Patent Attornies, Principal Office 128 Fulton street, New York.

TONE SAWING MACHINE—The patent for a superior machine for sawing stone in taper slabs posts, monuments, &c., is now offered low for cash, or its equivalent. For particulars, address (post-pad) A. F. WARD, Patentee, Louisville, Ky.

PROWN'S CATALOGUE of all the patents grant-be d prior to the last year. Price, single copies, 25 cents; 5 copies; 75. Orders filled by mail. Addres J. S. BROWN, Washington, D. C. 37 2\*

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 withithe daily paper by mail for \$2 a year. The Sun commenced in 1833; is the oldest, as well as the cheapest of all the cheap daily newspapers. It contains the latest news to be had by telegraph, mail, or express—is independent on all subjects, and has for its platform "Common Sense." Club rates payable in advance, 5 copies one year \$16.50; ib copies \$360; ib copies \$41.25; 20 copies \$50; 25 copies \$5625; 50 copies \$60. Single copies \$4 a year. Papers to be sent in one wrapper, and only by mail, and to be directed to one person only. The postage of the Daily Sun within the State of New York is only 78 count per year, and only \$156 to any other part of the Inited States. Specimen copies sent gratis on application. Letters (always post paid) to be directed to MOSES S. BEACH, Sun Office, New York City.

\*\*The Mail of the Present Common Sense.\*\*

\*\*Present Common Sense.\*\*

\*\*The New York City.\*\*

\*\*The New York Sense of the Present Common Sense.\*\*

\*\*Present Common Sense.\*\*

\*\*The New York City.\*\*

\*\*The New York Cit

1 1000 YOUNG MEN of small means can abroad. Profits certain-no "chance." Business new, easy, useful, honorable. Apply (inclosing a stamp) to Box No. 533, Detroit, Mich.

LI. PERSONS in the United States and Canadas engaged in the manufacture of Fanning Mills will hear of something to their advantage by addressing a letter to LEWIS & KING, Seneca Falls, N. Y. 1\*

CLARKE'S CHIMNEY SAFE should be known and used by builders, as it greatly improves the chimney. Send for circulars, or inquire of principal hardware dealers. Price in all places 86, small size \$4. Bights in all the States for sale. Apply in season to GEORGE B. CLARKE,

1\* Leonardsville, N. Y.

CLOCKS for Churches, Court Houses, &c. Regulators and time pieces for jewelers, railroads, offices, &c. Also glass dials of any size for illuminating, and other kinds manufactured and warranted by the subscriber.—
JOHN SHERRY, Oakland Works, Sag Harbor, N. Y.
37 12 com.

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

ROUGHT-IRON PIPE—Plain, also galvanized inside and outside, sold at wholesale by JAMES O. MORSE & CO., No. 79 John st., N. Y. 37 3mos

WALUABLE PATENT TO EXCHANGE—Will vexchange the patent (of any State excepting New York, for as valuable a patent, for this State), of an article now in use in every family. Sells for 20, and costs 10 cents. This city alone manufactures and sells over a million yearly. Answers must contain full description, cost, and selling price of article to exchange. Address PATENT AGENT, P. O. Box 4532.

TECALLISTER'S PRICED AND HLUSTRApages with 150 illustrations) of Optical, Mathematical,
and Philosophical Instruments, furnished gratis on application and sen by mail free of charge to all parts of
the United States

MPROVED WRISTBAND FOR SHIRTS—
Patented in this country, England, and France—see engraving and description in Scr. Am. of May 10th. The peculiar merit of this invention consists in the simple but ingenious formation of combining two wristbands in one, to be used alternately. Its advantages are additional neatness, convenience, and economy, which must insure its general adoption. It is now presented for consideration to the manufacturer and capitalist. R. K. CHAND LER, of Richmond, Va., the inventor, is now at Astor House, New York.

ANTED—A good second-hand steam boiler with power to drive an engine of 8 to 10-horse. Address B. & CO., Williamsburgh P. O., N. Y.

OR SALE CHEAP—Two 4 feet iron planers. New and perfect in every particular, and made from the most approved patterns. For further information please address G. C. TAFT, Worcester, Mass. 37 2

State for manufacturing light articles, machinery, models for patents, die work, jobbing, &c. The said shop is in the center of the city, well lighted, good power, with a good run of business. I will sell the tools with business, &c., at a reasonable rate. Address LEWIS WHITE, 1\*

No. 10 Trumbull st., Hartford, Conn.

THE PATENT INDIA RUBBER ROTARY LIFT AND FORCE PUMP, Fire and Garden Engine, Cistern, Well, Bilge, and Hand pump. No valves to choke or get out of order. Not affected by hot or cold weather, and warranted not to freeze. Can be used for acids, spirits, and fluids generally. Forsale wholesale and retail by YELLAND FOREMAN, Sole Agent, No. 1 Courtlandt st., N. Y.

NGINEERS AND MACHINISTS TOOLS—
large assortment of superior tools for machine ar
railroad shops, together with a full supply of all articl
required by those engaged in mechanical or manufactu
ing pursuits for sale by LEONARD & WILSON, 1
Pearl and 60 Beaver streets, N. Y. 364\*

BULKLEY'S PATENT DRY KILNS, by super heated steam, will dry grain, flour, and meal, with utscorching, at a cost of two cents per barrel. Also green utscorching, at a cost of two cents per parrel. Also global nech lumber in 12 to 20 hours. Circulars sentfree on ap-plication. H. G. BULKLEY. 33 3\* Kalamazoo. Mich.

ORBES & BOND, Artists, 89 Nassau st, N.Y., Mechanical and general Draughtsmen on wood, stone, &c.

PATENT FOR \$1000—For further information address I. J. W. ADAMS, Sharp Town, Md.

THE UNPARALLELED DEMAND for those superior Machinists Tools have caused the undersigned to remove their works permanently to buildings No. 475, 477, and 479 First Avenue, near 29th St., N. Y., where will be found on hand or made to order at shortest notice machinists tools of every variety and capacity warranted equal to the best in market, and terms moder ate: also a quantity of second-hand tools.

33 2\*

CARPENTER & PLASS.

PREMIUM LATHES—These Lathes, built by Leon ard & Clark, were awarded the Crystal Palace Bronze Medal and the Gold Medal of the American Institute. They are unequalled in construction and workmanship. All sizes, from 10 to 40 feet bed, and 18 to 40 inch. swing, contracted for by LEON ARLD & WILSON, Sole Agents, 109 Pearl and 60 Beaver sts., N. Y. 33 4\*

ANTED—A situation by a practical machinist as foreman or manager of a machine shop, who has had severalyears experience in building stationary steam engines, mills, furnace, and pumping machinery; also understandsdrawing. Would be willing to take an interest in works doing a good business. References given—Address E. SHIPLEY, Louisville, Ky. 35 3\*

P. N. FITZGERALD, Counsellor at Law—
class Principal Examiner in the U. S. Patent Office—has removed from Washington, D. C. to the city of New York, 271 Broadway, (corner of Chambers St.) As heretofore, his practice is confined to Patent Cases, which he will prosecute or defend, as counsel, before the Supreme and Circuit Courts of the United States, also before the Patent Office, or the Judges having jurisdiction of appeals therefrom.

29 lamt

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. A 2 1-2 horse can be seen in store, it occupies a space 5 by 3 feet, weighs 500 lbs., price \$240; other sizes in proportion. 27 e3w

CIRCULAR SAWS—We respectfully call the attention of manufacturers of lumber to the great improvements recently introduced in the manufacture of our Circular Saws. Being sole proprietors of Southwell's patent for grinding saws, we are enabled to grind circular saws from six inches to six feet with the greatest accuracy and precision. The impossibility of grinding a saw without leaving it uneven in thickness has always been acknowledged by practical saw makers. This causes the saw to expand as soon as it becomes slightly heated in working. When this takes place the saw loses its stiffness, and will not cut in a direct line. We will warrant our saws to be free from these defects; they are made perfectly even in thickness, or gradually increase in thickness from the edge to the center, as may be desired. As there are no thick or thin places, the friction on the surface of the saw is uniform, consequently it will remain stiff and true, and will require less set and less power. Will saw smoeth, save humber, and will not be liable to become untrue. This is the oldest etablishment now in existence for the manufacture of circular saws in the United States, having been established in the year 1830. Orders received at our Warehouse, No. 48 Congress st., Boston. 126m\*

CHENCE MACHINERY DEPOT-163 Green-wich street, New York, keeps always on hand Lathes, Planers, Drills, Steam Engines, Woodworth's Patent Planing Machines, Bel ing, Sc., in great Variety. Tools furnished of any size, to order, and of the but quality. 25 16\*

WAUZS CELEBRATED PORTABLE STEAM Engines and Saw Mills, Bogardus, 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.

LOGAN & LIDGEE WOOD,

13 1y\*

SIERTICAL STEAM ENGINE and Boiler for Sale at a bargain. The Engine is nearly new, and well finished. The cylinder is 9 inches; the fly wheel is a band wheel 5 feet in diameter, face 14 inches, turned off, weight 1350 lbs. The boiler is 29 feet long, 42 inches n diameter, 1 slue 17 inches, well braced wroughti-free heads; it is very strong, and has been in use about six months; is about 15-horse power. Cost \$1200, will be sold or \$675 cash; delivered on ship board. Apply to MUNN & CO., at this office.

ACHINISTS TOOLS.—Meriden Machine Collins have on hand at their New York Office, 15 Gold Street, a great variety of Machinists Tools, that And Power Punching Presses, Forcing Punchs, Land Holding, &c., all of the Best quality. Factory West Meriden, 32 15\*

Conn.

Value AMERICAN PLATE GLASS CO. Having receted extensive works in East Brooklyn, (foot of North Sixth st.) are now prepared to execute promptly all orders forwarded to them, for Rough Plate Glass, for Sky Lights, Floor Lights, Pavements, Deck Lights for vessels, &c. Also an entirely new article [1008068103] the properties and beauties of Agate, called Chalcedon. This material supersedes Marble, in its superior quality and utility for the purpose of Flooring, Mantel Pieces, Table Tops, and Ornamental Architecture. Allorders left at the Office of the Company will receive prompt attention. Office 420 Groadway. Rough Plate Glass in the Sheet at the factory, 144 in, 35c.; 3-5 in, 35c.; 12 in, 40c.; 5-8 in, 60c.; 3-4 in, 75c.; 7-8 in, 80.; 1 in, 85c.; 1 1-4 in, \$1-25. Terms cash in 30 days.

The subscriber is constantly manufacturing, and has now for sale the best assortment of these unrivalled machines to be found in the United States. Prices from S85 to \$81460. Rights for sale in all the uneccupied Towns in New York and Northern Pennsylvania, JOHN GIBSON, Planing Mills, Albany, N. Y. 30 3m.

BATENT RIGHTS FOR SALE—Thoundersigned are prepared to sell State and County rights for Clapp's Improved Bench Hook and Clamp, a full description of which is given in the Sci. Am. of May 10th. This Bench Clamp, from its extreme cheapness, simplicity, and utility must come into universal use. Address, with postage stamp enclosed, to CLAPP & NUTTALL, Wappinger's Falls, Dutchess Co., N. Y. 35 4\*

RON FOUNDER'S FACING MATERIALS—Viz.

Sea Coal, Hardwood Charcoal, Lehigh Coal, Soapstone, and German Black Le ad finely pulverized, also Core Flour, Fire Clay, Fire Sand, and Fire Ericks, for sale by G. O. ROBERTSON, 135 Water st., New York. 354\*

of Electrotype Materials, 128 Fulton st., N. Y. Molding Presses, Batteries, Cases, Backing Pans, Shaving Machines, Metal Kettles, Planes, Blocks, Building Irons, etc., etc., on hand, or furnished at short notice, and at moderate charges. Adams' Improved batteries and black-lead machines also for sale.

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

Haven, Conn.

PATENT ALARM WHISTLE—For Speaking
Pipes. The right of a limited number of the Southern States, of this valuable patent, for sale on reasonable terms. Apply to W. OSTRANDER, No. 57 Ann street, N. Y.

29 13

TEAM PUMPS AND FIRE ENGINES Steam Pumping Engines for wrecking purposes, Irrigating and Draining Lands, Deep Mining Shafts, Quaries, and Excavations, RailrodagStations, Factories, Public Institutions, Hotels, Gas Works, Steamers, &c. Also a large and improved class of Pumping Engines for supplying Cities, Towns, and villages. Apply to H. R. WORTHINGTON, 28 Broadway, New York City. 25 13\*

Oll.! Oll.!—For railroads, steamers, and for machinery and burning—Peaso'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 found in no other oil. It is of fered to the public upon the most reliable, horough, and practical test. Our most skillful engineers and machinists pronounce it superior 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, pronounced it "superior to any other they have ever used for machinery." For sale only by the inventor and manufacturer. F. S. PEASE, 61 Main st., Buffalo, N.Y.

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

TRCROSSROTARY PLANING MACHING.
The Supreme Court of the U. S., at the Term of R53
and 1854, having decided that the patent granted to Nich
olas G. Norcross, of date Feb. 12, 1859, for a Rotary Pla
ning Machine for Planing Boards and Planks 1, not an
intringement of the Woodworth Patent.
Rights to use the 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 Statestreet, and Jowell, Mass,
19 6m\*

RAIN MILLS—EDWARD HARRISON, of New Haven, Conn., has on hand for sale, and is constantly manufacturing to order, a great variety of his approved Flourand Grain Millsingthding Bolting Machinery, Elevators, complete with Mills ready for use. Orders addressed as above to the patentee, who is the exclusive manufacturer, will be supplied with the latest improvements. Cut, sent to applied with the latest improvements. Cut, sent to applied to give satisfaction.

29tf

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engine and Hand Lathes, Brills.Bolt Cutters, Gear Cutters, Chucks, &c., on hand and finishing. These Tools are of superior quality, and are for sale low for eash or approved paper. For cuts giving full description and prices, address, "New Haven Manufacturing Co New Haven, Conn. 19 tf

A GENCY FOR THE PURCHASE AND SALE, of valuable patents and inventions, T. H. LEAVIT, No. 1 Phrenix Buildings, Boston. None but matters of real merit and utility will receive any attention. Circulars containing further information may be had on application.