## Scientific American.



S. G. W., of Mass.-Your plan of raising water is on the principle of what is known as Savary's Engine, an English invention, dating about A. D. 1650, and is the first recorded really practical application of steam as a mo tive agent. It is of course not now patentable. It is more profitable to use the same steam to work a pump.

Geo. W. Wilson, of West Worcester, Otsego Co., N. Y. wishesto know where small cast-iron pipes-two inches in diameter-for conducting water, are manufactured also their cost per toot.

J. B., of Ohio-You are mistaken in reference to ob taining a greater from a less force by a centrifugal or any other machine. The good judges, whom you mention are no judges at all, if they have given you certificate that 300 lbs. of power applied to your machine pro duced 100 lbs. of power: this is an impossibility.

A. L. B. of Phila.-Chlorine is a gas; if you pour some sulphuric acid on common salt and oxyd of man-ganese, in a retort, the gas that will be generated is

chlorine; you can catch it in a receiver.

J. S., of Va.—Plaster of Paris casts generally become yellow in color, with every preparation that we have ever known applied to their surface, for preservation A strong solution of the sulphate of zinc and alum, applied to their surface, is the best preservative known to us.

L. D. R., of N. J.—You must go to work and invent cheap method of producing the ornamental plates for coffins, then secure it by patent, and sell rights cheap to others. You will thus benefit both yourself and all those engaged in the same business.

T. M. P., of Md.—You can make gas from wood in a cylinder retort, without infringing any patent; because such

J. G. H., of N. H.—The Chinese were acquainted with the compass long ago, and it was brought from that country to Europe, by Marco Polo, in 1260, A. D.

J. F., of N. Y.—Calcined tartar is roasted tartaric acid.

Purchase the tartaric acid of a druggist and roast it yourself in a small crucible.

J. L. H., of Mo-We had not the back numbers to send to you. You cannot suppose we believe the great pit in the Mammoth Cave to be bottomless.

A. G. of France.-If you were to visit our forests and witness our backwoodsmen chopping through logs, you would then know the reason why their axe handles require to be curved. In Europe all the logs are sawed transversely with cross-cut saws. Without witnessing the method of chopping our forest trees, you could not obtain a correct idea of the advantages of the curved over

J. W. J., of Mass.-The assignee of an insolvent debtor cannot take out a patent for a new machine of the latter in his own name. A patent must be applied for in the name of the inventor, if he is alive. The act of conveying all the property of a debtor, for the benefit of all his creditors, covers all the property which he had in pat-

J. B. W., of Mich.-Use a little of the oxyd of manga nese and salt with your hard scrap iron in the furnace and you will find that it will be rendered soft. Potas. sium is out of the question to use in iron smelting.

F. B., of Me.—We would not advise you to buy a steam engine so small as "one horse power;" get a four horse power at least; a good four horse power engine, will drive a thrashing machine with separator, &c., attached With a good boiler, half a cord of good pine wood, wil drive it twelve hours. Convenience of transport is the only difference between a portable and a stationary en-A common mechanic will soon learn to manage it. Write to those who manufacture and sell steam en

J. E., of Mass.—We are sorry that you did not give the subject of obtaining water on the west coast of South America more attention. The tide, perhaps, brought in the water of some river.

N. B., of N Y .- Your composition, as a substitute for leather, is new and patentable, but its value depends upon its quality and the cheapness of its manufacture you will be more able to judge of this, when your experiments are completed.

J. H. D., of Mass.—We are aware of the centrifugal

bullet-throwing machine, having been tried near this city, a number of years since, but, from the article in question, a knowledge of the nature of the machine could not be obtained; that it can perform the feats claimed for it, is as preposterous as to gain power from a lever. We believe that your improvement in book shelves is new and patentable. A bell has been connected with the knob of a door lock to give an alarm.

F. G. W., of Mass.-Write to Prof. Bache, of the Coast Survey, at Washington, and you may obtain the infor-

mation you desire.

R. K., of Phila.—We do not see the advantage that would be obtained by employing an extra needle in the compass, to point due N. and S.—the diagram of the compass indicates all the points in the circle.

D. B. W., of Mo.—The best essay on electro-magnetism published in our country is in the Encyclopedia of Chemistry, published by H. C. Baird, of Philadelphia. Write to him respecting price, &c.

Money received at the Scientific on account of Patent Office business for the week ending Saturday, Jan. 34, 1857:—

J. B. D. of Tenn. \$30; J. L. H. of Mo., \$25; L. O. R. of

Ill. \$25; A. P. W. of Ill. \$25; S. & M. of Ill. \$80; D. B. of Iowa, \$30; A. C. of N. H. \$25; B. S. F. C. of Conn. \$30; S.T. H. of Ill. \$25; C. H. E., of Wis. \$30; E. F. F. of Vt. \$30; D. W. of N. J. \$35; A. S. N. of Pa. \$55; G. D. H. of Ill. \$30; S. R. of N. Y. \$30; W. S. of Ind. \$25; M. L of Mass., \$25; N. J. of N. Y. \$55; W. F. E. of N Y. \$30 : G. W. F. of Pa. \$30 : G. P. G. of N. Y. \$30 : J A. P. of N. Y. \$25; H. P. of N. Y. \$20; T. J. deY. of N. Y. \$25; C. M. of N. Y. \$55.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Jan. 24, 1857: A. P. W. of Ill.; L. O. R. of Ill.; W. H. McN. of N Y.; H. P. of N. Y.; J. L. H. of Mo.; T. J. de Y. of N. Y.; S. of Ind. ; M. L. of Mass. ; A. C. of N. H. ; C. M of

COMPLETE SETS OF VOLUME XII EXHAUSTED. regret that we are no longer able to furnish complete sets of the present volume. All the back numbers except 1, 2, 6, 9, 10, 11, and 13, we can yet furnish, if new subscribers desire to commence back to the beginning of the volume; but unless they specially request to the contrary when making their remittance we shall commence their subscription from date of receipt of the

PATENT LAWS AND GUIDE TO INVENTORS.—This pan phlet contains not only the laws but all information touching the rules and regulations of the Patent Office Price 12 1-2 cents per copy. A Circular, giving instructions to inventors in regard to the size and proper construction of their models with other useful information tion to an applicant for a patent, is furnished gratis at this office upon application by mail.

RECEIPTS—When money is paid at the office for subscrip tion, a receipt for 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.

PATENT CLAIMS-Persons desiring the claim of any in vention 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 fee for copying.

FOREIGN SUBSCRIBERS—Our Canada and Nova Scoti patrons are solicited to compete with our citizens for the valuable prizes offered on the next volume. [It is important that all who reside out of the States should remember to send 25 cents additional to the published ratesfor each yearly subscriber—that amount we are obliged to pre-pay on postage.]

## Terms of Advertising.

Twenty-five cents a line each insertion. We respect fully request that our patrons will make their adver-tisements as short as possible. Engravings cannot be admitted into the advertising columns.

Alladvertisementsmustbe paidfor before insert

IMPORTANT TO INVENTORS.

THE UNDERSIGNED having had ELEVEN year,
practical experience in soliciting PATENTS in this
and foreign countries, beg to give notice that they contime to offertheir services to all who may desire to secure to offertheir services to all who may desire to secure to offertheir services to all who may desire to secure to offertheir services to all who may desire to secure to offertheir services to all who may desire to secure to offertheir services to all who may desire to secure to offertheir services to all who may desire to secure to offer the services to all who may desire to secure to offer an average lystem, or one-third of all the Patents issued each
week are on cases which are prepared at our Agency,
An able corps of Engineers, Examiners, Draughsmen,
and Specification writers are in constant employment,
which renders us able to prepare application-on the
shortest notice, while the experience of a long practice,
and facilities which few 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 inrentions are heldfree of charge, with inventors, at our
office, from 9 A. M., until 4 P. M. Parties residing at a
distance are informed tha 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 toward
making an application.

In addition to the advantages which the long experience
and great success of our firm in obtaining

Office 128 Fulton street, New York.

RON FOUNDRY AND MACHINE SHOP
FOR SALE.—The Proprietors of the Phœnix
Foundry and Machine Shop, at Syracuse, N. Y., are
desirous of going West, and offer it, under these circumstances, on very favorable terms for the purchaser. The
buildings occupy 182 feet front on Water street, and extend in width to the Berm bank of the Eric Canal,
admirably adapted by their location for an extensive and
ucrative business. It is proposed to sell the ground,
buildings, fixtures, patterns, and machinery with which
it is amply supplied, and in perfect working order, and
having all the business it can do, and capable of being
extended to one half in addition to its present capacity.
The present proprietors have had in it ten years of successful business, increasing from year to year, and nonso prosperous as the current one, and the only motive for
selling is that stated in the first sentence of this advertisement. A part of the purchase money can remain on
mortgage. For further particulars call and see or addresg the subscribers at Syracuse, N. Y.

128. COBB & HERRICK.

NDELIBLE INK WANTED—JOHN EWEN, of Inclinianti. Ohio, wishes to obtain a recipe for making Indelible Printing Ink, to be used with type for marking clothing, and would pay liberally for it.

Ing clothing, and would pay liberally for it. 21 \*\*

PARMERS, PLANTERS, MECHANICS, READ

—The Combination Patent Portable Upright Steam
Saw Mill—simple, durable, efficient, and cheap. It commands the universal admiration of saw-mill men everywhere, and is being adopted in every purt of this centinent. The combination Patent Portable Shingle Mill—
capable of sawing, planing, and jointing at the rate of ten
thousand shingles in twelve hours. The shingles produced
with this machine are as valuable in the market as the
best shaved shingles. Ross's Patent Portable Grist Mill,
which has received over sixty premiums, and is pronounced by the most experienced millers in this country
and Europe to be the best mill ever constructed. It is
cheaper than any other burr-stone mill. Woodworth's
Planing Machine. Shapter's Portable Economic Engine.
This power is more simple, more portable, more compact, more easily attended, and requires less fuel than
any other machine. Send for pamphlet, which will give
a full illustrated description 12 all our valuable patent
machinery.

20 3

No. 1 Spruce st. New York.

A RARE CHANCE for Mechanics and others—A new, neat, and respectable business: affords 500 per cent. profit. But small means necessary. Address (enclosing stamp.) WM. HART, Mayville, Dodge co., Wis.

SOUTHERN MACHINERY DEPOT—Number 98 Magazine st., New Orleans. Agencies and consignments of machines adapted to the Southern wants respectfully solicited. D.C. LOWBER. 20 7\* POR SALE—Whitley's Patent Double Circular Saw Mill; patented March 4th, 1856. These mills are manufactured extensively in the West, and are fast aking the place of other mills. Some of the best States remain unsold. For rights, &c., address, A. L. WHITLEY, St. Louis, Mo.

PATENT RIGHTS sold on commission by S. C. HILLS, 12Plattst., New York, who has forsalethe following: Clark's Water Feed and Indicator; Crosby's Slitting Mill; Devlan. Wood & Hancock's, Oil Saver; Creamer's Car Brake; Burnham's Suction and Force Pump; Van De Water's Water Wheel, &c. 20 tf

ANTED-A purchaser for a valuable improve ment in Spirit Levels, For particulars addres B. F. NEAL, West Poultney, Vt. 20 2\*

NOTICE—The subscriber is ready to contract for building steam saw mills, and warrant them to cut 2,000,000 feet of lumber in one year, with one up-and down saw, and to make the dust and chips made by the saw make the steam to do it. Address, S. E. PAR. SONS, Wilkesbarre, Pa.

THE HEST PLANING, TONGUEING, AND GROOVING MACHINE IN THE WORLD.

Patented November, 21st, 1804, and November. 18th, 1856. These patents were obtained for improvements upon the celebrated Woodworth Planing Machine, the patent for which expired Dec. 26, 1856. By the combination of these several inventions a machine is produced of unrivalled excellence. A Gold Medal for this invention was awarded by the Mass. Char. Mech. Asso., at their Exhibition of 1866. Machines of all kinds and sizes, from \$150 to \$2000. All machines warranted to give entire satisfaction, and to be superior to any other machines now in use. For further information address the patentee.

20 7\* No. Scollay's Building, Court st., Boston, Mass.

TRUSTEE'S SALE OF MACHINERY.—One
25 ft. Planer, two 12 ft. do., two 10 ft. d., three 9 ft.
do., four 8 ft. do., five 6 ft. do. (new.) One 12 ft. Lathe,
nine 8 ft do., twelve 6 ft. do. (new.) One 12 ft. Lathe,
nine 8 ft do., twelve 6 ft. do. (new.)
Gutters, 3 Upright Drills, 1 Bolt Cutter, 1 Shaft Straight
ener, Planer, Centers, Chucks, 8c. 4 sets 28 in. swing
heads, counter shaft, and carriages; 4 sets 12 feet crossheads; Planer and Lathe Patterns, and all kinds of small
tools used in a machine shop. To be sold cheap for cash
said machinery is in good order. N. D. SPERRY, Trustee of the Estate of John Parshley.
New Haven, Conn., Jan. 2, 1837.

W OOD WORTH'S PATENT PLANING,
ber, from his twenty-four years' experience both in the
use and manufacture of these unrivalled machines, is prepared to furnish them of a quality superfor to any that can
be procured elsewhere for the same money. Prices from
\$85 to \$150. Also several good second-hand Planing
Tonguing, and Grooving Machines for sale.
JOHN GIBSON,
19 12\* Planing Mills, Albany, N. Y.

JÖHN GIBSON, N. Y

Planing Mills, Albany, N. Y

ARCHITECTS—A premium of \$250 will be paid for the best, and one of \$100 for the second best plan, with specifications, for the college edifice for the New York State Agricultural College, to be built at Ovid, Seneca county, the coming season. There will be required a Culinary Department, in all its details, a Dining Hall and Laundry, to accommodate from 300 to 400, a Lecture Room, capable of seating 408 to 500, and accommodation for the steward and his family in the basement. In the first story will be required a President's Reception Room and an Office, tive Professor's Rooms, five Recitation Rooms, a Library, and a Chemical Laboratory large and well lighted. The residue of the first and the three stories above, to be appropriated for Students' Rooms or Dormitories, not less than 15 in number, and not less than 16 feet in the clear, with statirways to approach them. Building to be four stories above the basement. Plans for heating, ventilating, and lighting in the most approved modern manner will be expected. The walls to be of stone or brick. If of stone, to be laid in courses rough hammered, corners suitably dressed, water tables, window caps and sills, cut; stone delivered on the spot for about \$2.00 to \$2.75 per cubic yard, mainly shaped for laying. Cut stone a higher price. A suitable front door way of stone, with a cap of suitable depth to receive an appropriate design, with stone steps to reach it; all to be done in a plain, but neat and substantial manner, and with the strictest economy. Cost to be estimated. Plans and specifications to be completed and sent of J. P. Johnson Esg., State Agricultural Rooms, Albarny, N. Y., on observe the loth of Fe bruary next. The subscriber may be referred to, if desired, at Waterford, Saratoga county N. Y.

December 22d, 1856.

N.Y.

December 22d, 1856.

CRIDGE & WADSWORTH'S IMPROVED
Oscillating Steam Engine. Patented December
12th, 1894. After a thorough practical test for about two
years of the above improvement, our success warrants
us in inviting the closest examination into its reputation
in our own locality and the great popularity of our engines
in the midst of the most active and intelligent competition. To engine builders and capitalists we present the
following considerations. An engine unsurpassed for durability, compactness, and simplicity, cutting eff the
steam close to each end of the cylinder, by means of a
side pipe, adjustable by set screws, securing a perfectly
steam. tight valve with little or no friction or pressure,
com bining all the advantages of a double slide valve engine, and at the same time dispensing with all cams, camrods, cross-heads, rock-shafts, slide-valves, etc., saving
their cost of construction and necessary waste of power
in running And finally, we present an improvement (applicable to all cylinder engines) which enables the manufacturer to construct them at one half the cost of any
other engine of the same value. This last consideration
commends it to the immediate and earnest attention of
all persons interested or engaged in manufacturing engines. Believing that the improvement is destined to
revolutionize this branch of manufacture, we have decided upon selling such a number of shop rights as will inroduceit into general use, and at the same time secution the reach of all in moderate circumstances. Letters of
inquiry in regard to terms, addressed, to the undersigned,
will meet with prompt attention. For explanations see
No. 11. Vol. 12, Sct. Am. CRIDGE, WADSWORTH &
CO., Pittsburg, Pa.

DRAWING ON WOOD and MECHANICAL DRAWING, by RICHARD TEN EYCK, Jr., 128 Fulton street, N. Y., Engraver to the Scientific

COMMERCIAL AGENTS, able and honest Mer from N. England or N. York, A.W. Harrison, Phila 16 13\*

MONTABLE: 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 print ers, carpenters, farmers, planters, &c. A 2 1-2 horsecan be seen in store, it occupies a space 5 by 3 feet, weighs 1500 lbs., price \$240; other sizes in proportion. 1 e3w

T. CLAIR CAR MANUFACTORY—St. Clair, Schuylkill Co., Penn. Coal and freight cars of every description. Workmanship and material guaranteed equal to any manufactured in the United States, Bush & Lobdell's celebrated wheels used exclusively. CHAS R. ABBOTT, Proprietor. 9 12\*eow

LINGINEERING.—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. Broker in steam vessels, machinery, boilers, &c. General Agent for Ashcorft's Steam and Vacuum Gauges, Allen & Noyes' Metallic Self-adjusting Conical Packing, Paber's Water Guage, Sewell's Salinometers, Dudgeon's Hydraulic Lifting Press, Roebling's Patent Wire Rope for hoisting and steering purposes. Machinery foil of the most approved kind, etc.

CHARLES W. COPELAND.

CHARLES W. COPELAND,
Consulting Engineer, 64 Broadway.

NEW AND SCIENTIFIC INVENTION—Dr. Cheever's Galvano-Electric Regenerator. Patent issued Jan. 18th, 1856. A circular relating to the use of the instrument, embracing a general treatise of atony of the spermatic organs, the result of which thends to softeningthe medullary substance of which the brain is composed, may be had gratis, and will be sent to any address by mail \*\* their indicating a desire receive it. All letters should be directed to DR. J. CHEEVER, No. 1 Tremont Temple, Boston.

WOODWORTH'S PATENT PLANING MAchines of every kind and all prices. A large assortment on hand; and I am prepared to construct any
machine to order from ten days to two weeks, and guar
antee each machine to be perfect in its construction, and
give purchasers entire satisfaction. The patent has expired, and will not be renewed. I make this business exclusive, manufacturing nothing but the Woodworth Machines, and for that reason can make a better article for
less money; and with my fifteen years' experience I fuly guarantee each machine to come up to what I am
willing to recommend, that is, that each machine shall
be more than equal to any other manufactured for the
same price. JOHN H. LESTER, 57 Pearl st., Brooklyn, N. Y., three blocks above Fulton Ferry. 20 tf

BECIPE FOR MAKING HONEY as good as that made by bees, and which does not cost over six cents per pound, sent for one dollar. N. R. GARDNER, Peace Dale, R. I. Any paper giving this advertisement three insertions, and sending a copy of it, will receive the recipe free.

ARREL MACHINERY - CROZIER'S PATENT

This machinery was awarded a gold medal at the
late Fair of the American Institute. One set of these
machines, driven by 12-horse power, and with the assistance of 20 men make an average of 600 barrels per day
of 10 hours, as our factory in Oswego, N. Y. A portion of
the machinery may be seen at Messrs. Leonard & Wilson's, 60 Beaver st., New York, to whom reference may
be made. For machines and rights address,

WELCH & CROZIER,

15 10\*

Oswego, N. Y.

OTICE—I will receive applications until the lst of June for the right to make and sell my patent Bouble-Jointed Buckle, the best yet invented; one answering for the whole wardrobe; and will last to the third and fourth generation, if well made. Address, WILLIAM SLADE, Gum Creek, Dooly Co., Ga.

THE PATENT EMPIRE POWER LOOMS for high speed, increased production of cloth, econ omy in operating, and superior make, are manuactured at the Empire Loom Works, Stockport, Coh mbia county N. Y.

14.8\*
No. 7 Whitehall st., N. Y.

WRIGHT'S PATENT SECTIONAL SPRING BED BOTTOM—The cheapest and most perfect article in use. LIPPINCOTT & CO., Manufacturers, No. 1180 Broadway, N. Y.

JAMES O. MORSE & CO., 79 John street, N Y. (between William and Gold streets,) Manufacturers and Dealers in all descriptions of Pipes for Steam, Gas, and Water, together with every variety of fittings for the same. Steam Boilers and Boiler Flues, Stop Valves and Cocks, Steam Whistles, Oil Cups, Gauge Cocks, Governor Valves, Steam and Water Gauges, Steam, Power, and Hand Pumps, Steam Apparatus for warming buildings, Gas Apparatus for towns and factories.

RUNYAN & HOSTER, of Seneca Falls, Seneca County, N. Y. are now prepared to fill orders for any or all sizes of Lewis! Tuproved Direct Double-Acting Force Pump, the best pump in use. A full description of it may be found in the Scientific American of March 22d, 1856. Rights are also offered for sale by States er otherwise. R. & H. refer to J. T. Miller, Esq. P. M., Seneca Falls, N. Y.

STOVE POLISH—The best article of the kind yet invented for family use. Sold wholesale and retail at 114 John st., New York, by QUARTERMAN & SON. 12 tf

HORSE STEAM ENGINE—At the Crystal Palace, called the "Endeavor," the best engine ever exhibited by the American Institute; will be sold low if applied for immediately.

S. C. HILLS, 12 Platt street, N. Y.

CAST-STEEL WIRE DRAWERS—Union Works, Patterson, N. J. Orders solicited and punctually filled by CHAMBERLIN & CO. 14 8\*

WOODWORTH'S PATENT PLANING MA-chines—Patent expires Dec. 27th, 1856. Machines constantly on hand, together with steam engines and boilers of all sizes. Lathes, planers, drills, circular saw mills, belting of leather and rubber of the best quality, Orders respectfully solicited at the Machinery Depet, 163 Greenwich st., N. Y. A. L. AUKERMAN. 218

PORBES & BOND, Artists, 89 Nassau st. N. Y., Mechanical and general Draughtsmenon wood, stone, &c

AP-WELDED IRON BOILER TUBES.—Pross-er's Patent—Every article necessary to drill the er's Patent.—Every article necessary to drill the completes, and set the tubes in the best manner.

18 tf 'THOS. PROSSER & SON, 28 Platt st., N. Y

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

45 26 C. D. PAGE, Rochester, N. Y.

50 STEAM ENGINES—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. 14 tf

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

Oil.! Oil.!—For railroads, steamers, and for machinery and burning—Fease's Improved Machinery and Burning Oil willsave fifty per cent., and will not gum. This oil possesse qualities vitally essential for lubricating and burning, and found in no other oil. It is of fered to the public upon the most reliable, thorough, and practical test. Our mostskillful 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 States and Europe.

NORCROSS ROTARY PLANING MACHINE.
The Supreme Court of the U. S., at the Term of 18 The Supreme Court of the U. S., at the Term of 1853 and 1854, having decided that the patent granted to Nich. olas G. Norcross, of date Feb. 12, 1850, for a Rotary Planing Machine for Planing Boards and Planks 18 not an infringement of the Woodworth Patent.

Dichts to use the N. G. Norcross's patented machine

Rights to use the N. G. Norcross's patented mach can be purchased on application to N. G. NO RCROS Office for sale of rights at 27 State street, Boston, Lowell, Mass, 45 6m

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engine and Hand Lathes, Drills, Bolt Cut-ters, Gear Cutters Chucks &c., on hand and finishing. These Tools are of suberior quality, and are for sale low for cash or approved paper. For cuts giving full descrip-tion and prices, address, "New Haven Manufacturing Co., New Hayen, Conn. 14 tr

ARRISON'S 30 INCH GRAIN MILLS—La.
test Patent.—A supply constantly on hand. Price
Address New Paven Manufacturing Co., New
Haven. Conn. 14 tf

A simple and cheap condenser manufactured by Wim. Burdon, 102 Front st., Brooklyn, will take every particles 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