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Cotton Thread-American and Foreign. There are three cases of American spool cotton on Exhibition; two are from Fall River, Mass., manufactured by N. Buffington; the other case is from Willimantic, Conn., Taft & Bartlett, manufacturers. The cases from Fall River show very neat samples, especially the colored thread; they indeed do credit to the company in respect to neatness and taste in spooling and coloring; the thread from Willimantic is poorly spooled; the bobbins are rough and anything but neat, and the colors are very poor. This company has a wide field for improvement. The spool cotton thread which maintains the highest character in America, is that of Messrs. Coats, of Paisley Scotland, and the next to it is that of J. Clark & Co., Mile End, Glasgow. One of the Messrs. Coats lives in this country, looks after the business, and sees that the labels are not forged. By this manner of managing the business, and keeping good thread, its character has never suffered from spurious imitations. We expected to see some of their thread on exhibition, but looked in vain for a single spool ; this, in our opinion, exhibits a want of proper sagacity on the part of the resident partner. As Britain supplies us with nearly all our cotton spool thread, of course, the only samples are to be found in the British Department, and one case displayed by a new thread company, is the best we ever looked upon; it is that of Godfrey Ermen, of Manchester; it is named "Patent Diamond Twist." The finish of it is beautiful, it more resembles linen than cotton, and is said to be as strong. J. Clark, & Co., of Mile End, Exhibit three cases of excellent thread, one of white thread spools, one of black thread, and another of assorted colors. There is one case of excellent white spool cotton from Blackhall, & Co., Paisley; three cases of three cord from Jonas Ralph, Eng., (don't know what town ;) two cases from Francis Hord, of Manchester; one two cord and one six cord, white and colored; one case from Wm. Danbarn, of Liverpool, containing all kinds; we suppose he is dealer, as he exposes the Wisebeck German thread, and Scotch Paisley; his samples are good. Jonas Brook & Bro., of Waltham Mills, England, exhibit some beautiful thread on spools and in skeins, and what is of more interest to us, samples are shown in all the different stages of its manufacture from the raw cotton to the first sliver and finishingtwist. Therovings exhibited are beautiful; we wish that some of our manufacturers could show the like. The only other case exhibited is from J. P. Clark, of Leicester, England; it is the neatest put up thread in the Exhibition; the ends of some of the spools are of mother of pearl, and exhibit a taste equal to that for which the French are distinguished in such matters.

The manufacture of cotton thread is a very good rifles, America occupies the foremost place important one; we do not know how much our in the world. country pays every year to Britain for it; but the sum must be very large. The machinery Dunn's Electric Steam Boiler Alarm .- Mr. for manufacturing cotton thread is very fine. Avery, we believe, well known as an electrical There is but one factory in our country that atengineer, exhibits the steam boiler alarm of Artempts to make fine numbers, and that one is at thur Dunn, of England, which has been patent-Pawtucket, R. I. It is said that the humid ed in this country, It is well worthy of the atclimate of Britain favors the spinning of fine tention of all engineers, and as it is exhibited in cotton, and that ours is unfavorable. This is a working model, which is shown in section, not correct, an artificial humid atmosphere can also in drawings, any one who has even a limitbe created in any of our factories with steam .ed acquaintanceship with electricity, will be More American thread was made ten years ago able to get an understanding of it in a very few than there is to day. Our first manufacturers minutes. It operates by a column of mercury were well patronized, but they exhibited a want in a tube in the boiler, which, when the presof judgment: they looked more to quantity sure is at a fixed standard, or below it, and the than quality, so as to sell cheap; by this course water at the proper level will not be in contact they sold their character, and it will be hard for with the wire of an electric battery, but when our thread makers to retrieve that loss, howthe heat increases, either by an increase of the ever good their thread may be; perseverance, pressure of the steam, or the water getting low, however, will reach the mark, and the Company the mercury in the tube will expand and close at Fall River, if we can judge, are on the highthe circuit, which brings an electric magnetinto way to complete success, and the establishoperation, and rings a bell, which may be placed ment of the American character for good spool in the engine room or captain's office. By a cotton. key, the fireman can also telegraph at any mo-

ment, in the gallery, there are some specimens | Department, and those from Manchester in the | Institute ; this certainly belies the report of a new manufacture, as mats and such like English Department, we think have no equals articles, to which we wish to direct the attention | for beauty and quality in the Exhibition, but of our countrymen. They are made from the singly and alone, the American brocateles are the best Fair ever held in this city. We can find ticle. Such articles could easily be manufactured by some of our people.

goods in the American Department which successful both in the making of the goods and are richer brocateles, we believe, in the French rope.

interior of the husks of cocoa nuts, and exhibit- only ones in the world which have been and ed by a Mr. Wilder, of London. Samples of the | are manufactured by the power loom. The immanufacture are exhibited in every stage of the provements in the power looms, to adapt them process from the husk to the manufactured ar- to the weaving of such fabrics, we understand, are a secret, and intended to be kept so. The company, we have been informed, have expend-American Brocateles.-There is one case of ed \$30,000 on machinery, and so far have been

excites no small amount of pleasurable emotion in the profits of the manufacture. Success to in us, as they should in the bosom of every the enterprize; the goods are very wide, and in American; we allude to the American Brocate- this respect differ much from the narrow fabrics les manufactured at Seymour, Conn. There of a like character from the continent of Eu-

ORNAMENTAL TABLE.

Scientific American.



Our illustration of some of the works of art, | skill displayed, exhibits rare ability in such mathis week is an Ornamental Table in the French nufacture. Our artists may learn much from Department. The contour is pleasing, and the a close examination of such articles.

Quick Shooting-Fire Arms .- In one court of the American Department, there are five kinds of swift shooting weapons of death, namely, three revolving fire-arms, and two of the breech-loading kind. The two breech-loading rifles are those of Sharp and Marston, both patented; they have been illustrated in our columns, and the respective nature of each described. Sharp's has a sliding vertical butt behind the charge chamber, Marston's has a sliding horizontal piston. The samples exhibited are well made and tastefully mounted.

The three revolvers are Colt's, Whitney's, and Porter's rifle. The first has a world wide fame, it is the oldest revolver in our country, and the first ever made to revolve the charge chamber by the action of the trigger. Whitney's pistol was illustrated and described in Vol. 8, Scientific American; it is a simple and good instrument. Porter's rifle has received many high testimonials respecting its qualities, but we have never seen it tested, the others we have. For quick shooting fire arms, and for

Belgian Circular Knitting Machine.-A most ingenious machine for knitting every kind of hosiery is on exhibition in the east end of the English Department. It is named "Jacquin's Patented Circular Knitting Machine" and was sent from Brussels, in Belgium. By simply turning a crank it goes on knitting, by circular motion, the hose or any other article of hosiery. The thread is fed from cops or spools placed above the machine, and is put on to the needles by one grooved toothed wheel, and then the locking of the stitches is put on by another tripping wheel on a different set of needles, and the stitches as formed are taken off the needles and passed around a drum in a complete knit fabric. No machine in the Crystal Palace exhibits more ingenuity and delicacy of construction. It is worth the study of every mechanic. At the French Exhibition in 1849 it was awarded a medal, and it took a a prize medal at the "World's Fair" in London. Stockings Knit by Old Ladies .- We noticed

two pair of knit stockings lying alongside of one another in the English Gallery, which are worthy of a notice. One pair are long grey socks knit by Mrs. Rebecca Mayberry, of Casco, Me., aged 94 years. She is the widow of William Mayberry, an old revolutionary hero.

The other pair are long white ridge and fur lambs' wool stockings, knit by Mrs. Begg, of Ayr, Scotland, aged 82. She is the sister of Robert Burns, the plowman, the poet, and the songster that ever lived. They are beautifully knit, and are to be sold for charitable purposes. Some of Burns' countrymen will no doubt pay a handsome price for them.

which a few months ago emanated from the Managers, namely, that they were to have the no excuse for the poverty of the display, when we reflect upon the great number of American applications for space which were rejected by the Crystal Palace Association. The city of New York never offered so many inducements to inventors and manufacturers to exhibit their productions, as it contains more strangers than ever visited it before. It really appears as if the managers trusted only to former mismanagement to fill their halls, instead of exhibiting greater energy and tact, to obliterate the great mischief which was perpetrated at the last Fair in relation to the "Rail Road Invention Prizes." They do not seem to have advertised in respectable and influential papers, nor to have sent out

agents in order to induce a spirited rivalry among our mechanics and manufacturers, by soliciting them to send articles for display from their workshops and factories. Such conservatism will not answer in the present day; it is unworthy of the American name, and deserves reproof.

A Catalogue of the Exhibition we did not see. We had no use for such an article, and to save those of our readers who may visit it the expense of such an investment, we will present them with one-brief and comprehensive. As you enter upon the bridge, the first objects which fall upon the vision are a small collection of straw cutters, rakes, reapers, cider mills, hoes, horse powers plows, etc., mainly the contribution of Allen & Mayer, of this city, who keep these articles for sale. Immediately at the left of the entrance are the Troy Bells, which have, for aught we know to the contrary, been stand- ing there since

Castle Garden was first used for these Exhibitions; no doubt they are good articles, but we should like to see a change, something which indicates progress.

Beyond the "bells," and nearer to the Castle entrance, are usually to be seen a number of inventions of a nondescript character, without name, use, or utility, attended by some curious genius, whose volubility of description considerably eclipses the practical character of their inventions. This exhibition always affords much amusement to the spectators. Unfortunately there is only one this year, of this class, but it is very good indeed.

At the left of the entrance, Hoe & Co. exhibit fine specimens of saws, as usual. There are also the same collection of stoves, furnaces, grates, hardware, brushes, locks, signs, banners, etc. At the right hand we have beds, bedding, furniture, scales, carriages and tinmen's tools. In the gallery are all kinds of fancy contributions, from the Lord's Prayer on a three cent piece, to the full-grown bed quilt, done by an old lady ninety-five years of age. Children figure in patch, stitch and crotchet work, and our grandmothers emulate them in the same field, and with the same spirit of curiosity.

In the machine room, where there has usually been many things to interest us, and which, last year, was the real center of attraction, there is now almost "the silence of despair." There are a few articles and machines, however, of real merit, such as "Gardiner's Ore Separator," "Nevin's Cracker Machine," "Sharp's Horse Power," "Dickinson's Cattle Car," "Switzer's Self-holding Screw Driver," "Deitz's Hames," Dixon's Black Lead Crucibles," "Crane's Self aeting Chain Stoppers," (an excellent improvement for ships, it secures every link of chain as fast as it is drawn in, in weighing the anchor,) "Jones' Topographer," "Gee's Soda Water apparatus," " Otis' Mortising Machine," "Cochran's Ore Crusher," "Arnold & Felton's Boiler Feeder," "Week's Rotary Mortising Machine," (it has an endless chain cutter, and is manufactured by Cobb, Mason & Hill, Jersey City,) "Whitney's Tinsmith's Tools," and a few other articles, without novelty. The machinery displayed, is driven by a 30 horse power engine, made by Hughes & Phillips, Newark, N. J. Other objects of interest, which may be prethis is the most inferior Fair ever held by this sented during the Fair, will benoticed in future

Cocoa Nut Fabrics .- In the English Depart- ment with the engineer.

Fair of the American Institute.

The twenty-sixth "Annual Fair" of the American Institute opened (after a postponement of four days,) at Castle Garden, on the 10th inst. It has been our custom to present elaborate reviews of the most interesting objects on exhibibition at these Fairs, but we find upon a careful examination this year, that this labor will be light, as the bridge, halls and walls of Castle Garden exhibit a wasted and sickly appearance. So far

Scientific American.

numbers. We have always freely criticised the proceedings of the American Institute, from the MISSING NUMBERS-Mail Subscribers who have failed to laudable motives of stirring up the members to do something worthy of note. We heartily wish that this Institute could be made an index of the genius, industry and science of our people, but it never has been. This city is the very spot to conduct such an institution, and no doubt the present one might be so managed as to be an honor and benefit to our whole country. There are some very able and spirited members and officers in it; their energies, however, appear to be tied down by a temporizing policy of "pleasing with a rattle, and tickling with a straw."

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TO CORRESPONDENTS.

J. H. C., of Ky.-You would see by the last number of the Sci. Am., which was printed before your letter came, that your plan for keeping butter is not exactly new have no doubt but it was new to you, but we have had thereceipt a long time in our possession.

G. J. M., of Ct .- We have never seen the galvanic pile employed to deposittin on iron or copper; and the reason, we presume, is, that it does not require the expense of the battery to do so.

J. L. H., of N. Y .- Either Parker's, Reuben Rich's Vandewater's, Jagger, Treadwell & Perrys, or Caleb Rider's are good wheels, and will answer your purpose. Of course, you must have enough water to do the extra work, you intend to give to a new wheel.

B. M. H., of — .- Your two spike drums, will be the exactly the same as the mill now used for breaking coal. It does not require four times the power to give double velocity in machines, where the resistance the same at every point, as in a double machine, with one moved with half the velocity. E. H. B., of Ill.-The paper of Lieut. Hunt was an

able one, but with its conclusions we do not agree: in some parts he was, we believe, reported incorrectly. C. W. of Pa.-We cannot recommend a better plan than Bulkley's, to season it with currents of hot air is

very good and not patented. J. B. A., of N. Y.-You will find in the Scientific American three weeks ago, a very excellent plan for pre

venting boilers from scaling. M. F. N., of Md.-The Pennsylvania Polytechnic, we believe, is in operation in Philadeiphia. You speak truly about youngmechanics; more of them would go to col

lege to learn science, if languages were left out; this they now can do at Yale, and Cambridge-Lawrence H. F. N., of Ohio.-Your governor is the very same as

that employed on clocks for the same purposes

W., of Vt .- We cannot give you the relative D. A. strength of the extracts you speak of, or we should do so; the pamphlet is not yet published. It does not hurt sumac to boil it for cotton; it is best it should be.

R. C. L., of Ala .- The advantage to be gained by a rotary engine is the applying rotary motion direct to a shaft; the motion has to be changed in a reciprocating one. The essential points to be aimed at are evenness of wear in all parts, and a small amount of friction surface. There are many simple rotary engines in use; success, surely, is all that is desired. We cannot answer you about Bristol's engine at present.

W. G. B., of Ga.-The best work for youis Scott's Engi neers Assistant, but it costs \$24, we believe.

J. L. H., of N. Y.-Perhaps you have all the power your fall can give, if not, put two wheels on one shaft, on Parker's plan.

E. S. P., of Tenn .- Your alleged improvement in horse powers contains no patentable features. We have seen

the same thing before. E. W. C., of N. J.-Thompson obtained a patent last year, for an auger for boringArtesian Wells. We know nothing of a caveat having been filed.

E. W. S., of Mass .- We are not in possession of any information respecting the patent saws of Nova Scotia, and cannot, therefore, advise with you in regard to securing patents for them

of Ill,-Black's Work on Brewing is as good as any. It is sold by Appleton & Co., 200 Broadway. J, V., of N. H .- We do not know where Porter's Patent Press is made.

W. D., Jr., of Pa.-Yourannunciator sa new thing. If you can make it operate well, it would supersede all others in use, as they are liable to such objections as you enume

J. H. K., of Pa.--Your plan of Paddles is not new, except ing the angle, which is wrong. It would not do to liftthe stern, for that would make the bow dive into the water; the very thing that should be avoided.

W. O. G., of Conn.-We have never known of a ditching machine constructed as described in your letter of the 10th inst. You had better try it.

J.S. L., of N. Y .- We know nothing of Stodard's machine. Wood'spatent. sold by J. D. Johnson, Bridgeport, Conn., is a good machine.

J.E., of Mass.-If your perging machine interferes with Gallahue's, you cannot use it; if it is different from his and all others, a patent can be secured for it.

D.B. of Mass - You had better forward us a model of your corn husking machine. We should think it new judging from the meagre description given in your letter.

A Chapter of Suggestions, &c.

receive some of the numbers of Vol. 8, are informed that we are able to supply them with any of the numbers, from 1 to 52, EXCEPT the following, and these we are ENTIRELY out of-Nos. 2, 4, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 47, 48, 49, 50.

TO CORRESPONDENTS .- Condense your ideas into as brief space as possible, and write them out legibly, always remembering to add your name to the communication . anonymous letters receive no attention at this office If you have questions to ask, do it in as few words as possible, and if you have some invention to describe. come right to the business at the commencement of your letter, and not fill up the best part of your sheet In making apologies for having the presumption to address us. We are always willing to impart information if we have the kind solicited.

PATENT LAWS, AND GUIDE TO INVENTORS-We publish and have for sale, the Patent Laws of the United States -the pamphlet contains not only the laws but all information touching the rules and regulations of the Pa tent office. Price 12 1-2 cents per copy.

BINDING .- We would suggest to those who desire to have their volumes bound, that they had better send their numbers to this office, and have them executed in

uniformstyle with their previous volumes. Price of binding 75 cents.

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

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BACK NUMBERS AND VOLUMES-In reply to many interro gatories as to what back numbers and volumes of the Scientific American can be furnished, we make the following statement: Of Vols. 1, 2, 3, and 4-none. Of Vol. 5, all but six numbers, price, in sheets, \$1; bound, \$1.75. Of Vol. 6, all; price in sheets, \$2; bound, \$2.75. all; price, in sheets, \$2; bound, \$2,75. Of Vol. 8, all: price, in sheets, \$2: bound, \$2.75.

PATHYTERS-Remember we are always willing to execute and publish engravings of your inventions, providing theware on interesting subjects, and have never ap peared in any other publication. No engravings are inserted in our columns that have appeared in any other journal in this country, and we must be permit-ted to have the engravings executed to suit our own columns in size and style. Barely the expense of the engraving is charged by us, and the wood-cuts may be claimed by the inventor, and subsequently used to advantage in other journals.

GIVE INTELLIGIBLE DIRECTIONS-We often receive letter with money enclosed, requesting the paper sent for the amount of the enclosure, but no name of State given and often with the name of the post-office also omitted Persons should be careful to write their names plainly when they address publishers, and to name the post office at which they wish to receive their paper, and the State in which the post-office is located.

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American and Foreign Patent Agency.

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Co. R. C. BRISTOL, Patentee. 1 MERICAN ENGINEERS ASSISTANT-Lately published.—The American Engineer, Draftsman and Machinist's Assistant, designed for Practical Working-men, Apprentices, and those intended for the Engineer. ing profession, illustrated with 200 wood cuts, and 14 large engraved Lithographic Plates, of recently con-structed American Machinery and Engine Work; by Oliver Byrne. Embracing—Mathematical and Drawing Instruments. Geometrical Problems, Brackets and Pillow Blocks, Lubricators, and Electric Steam Gauge. Horse Power, Parallel motions, The Indicator, Safety Valves, High Pressure Engines, Steamship Engines and Boilers, Rotary Engine, Locomotives, Screw P opellers, Ericsson's Caloric Engine, & c., &c. The work is published in one large 4to vol., handsmely bound, and sold at the low price of \$5. It will be sent to any part of the United States free of Postage, on receipt of the amount by mail. Alberal discountmade to Agents and Booksellers. Ad-dress, C. A. BROWN & CO. Publishers. N. W. Cor. of 4th and Arch streets, Philadelphia.

UNRED STATES PATENT OFFICE, Washington, Sept. 28, 1853, New Hampshire, praying for the extension of a pa-tent granted to limon the twenty-seventh day of Dec., 1853, for an improvement in constructing sockets for holding tools, for seven years from the expiration of said patent, which takes place on the twenty-seventh day for December, eighteen hundred and fifty-three— It is ordered that the said petition be heard at the Pa-tent Office on Monday, the 18th of December next, at 12 o' olock, M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not be granted. Persons seposing the extension are notified to diverse

not 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.

application. Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Star. Wastington, D. C.; Pennsylvania, Philadelphia, Pennsylvania; Evening Port, and Scientlik: American, New York; Boston Post, Boston, Massachusetts and Patriot, Concord. New Hamp-shire : Enquirer, Cincinnati, Ohio, once a week for three successive weeks previous to the second Monday of Jan-uary next the day of bacaing uary 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 con-taining the notice. 63

WATTS, BELCHER & CO.—Machinists, Manu-facturers of Steam Engines, Lathes, Planing Ma-chines, and Machinist's Tools of all descriptions. Job-bing promptly attended to. Passaic Works, Passaic st. Newark, N. J. WM. WATTS, ZACHARIAH BELCHER, & CHO. WATTS. 64*

TO INVENTORS - Every description of Models and Patterns made in the best manner and on reason-able terms. T. M. CRACKLES, 38 HamiltonAvenue, be-tween President and Vanbrunt streets, Brooklyn. 1*

TARMER. --WANTED-By a young man familiar with the late improvements in Agriculture, a situa-tion as Superintendent of a farm at a liberal salary, or a furnished farm to work at a percentage. Address A. G. F., at V. B. Palmer's Advertizing Agency, Tribune Build-inst, between the hours of 7 and 10 A. M., on enquiring at the office. 62* and the second second

TO INVENTORS-A gentleman who designs tra-velling through the manufacturing districts of Eng-land, to introduce an invention, would negotiate with any person having a valuable patent. for its introduc-tion and sale there. Application may be made by let-ter, in the first place, directed to box 1536, Boston Post Office. 1

The subscriber begs leave to bring to the notice **ATHEMATICAL OPTICAL INSTRUMENTS.** In the subscriber begs leave to bring to the notice of the professional community, his new and extensive assortment of the above instruments, which he partly imported direct from the most celebrated makers in Eu-rope and partly had manufactured under his own per-sonal supervision. The undersigned would particularly invite attention to his very large and complete assort-ment of the justly celebrated Swiss Mathematical Draw-ing Interuments, for the sale of which in this country he has the sole Agency, and which he can furnish at from \$5 to \$200 per case. Orders from any Part of the Union promptly extended, and price list sent if required. 36eow C. T. AMSLER, 224 Chestnut st., Philadelphia.

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WECANICAL DRAWINGS-J. H. BAILEY. Me, Indicator Architectural Drawings executed in all kinds of perspective. Office Tryon Row, No. 5, opposite the City Hall. 54

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THE NEW HAVEN MANUFAUTURING CO.-New Haven, Conn., having purchased the entire ted E. Harrison's Flour and Grah Mill, for the Uni-ted States and Territories, for the term of five years, are now prepared to furch's said tuilbast short notice. These mills are accounted by any other mill in use, and will gring from 20 to 80 brahels per hour of fine meal, and will run 24 nonzener day, without bouting, as the mills are self-on 20 to 80 brahels per hour of fine meal, and will run 24 nonzener day, without 4.30 to 500 hs. of the bast Free means are weight from 14.30 to 500 hs. of the bast Free means are weight for the 300 packing \$5. Termines are and the sense of the second second and the second seco **71 HE NEW HAVEN MANUFACTURING CO.**-New Haven Conn. having purchased the entire addressing as a N. H. M. Co., 12 P

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NEW HAVEN MANUFACTURING COMPANY —Tool Builders, New Haven, Conn., (successors to Scranton & Parshley) have now on hand \$25,000 worth of Machinists Tools, consisting of power planers, to plane from 5 to 12 feet; slide lathes from 6 to 18 feet long; 3 size hand lathes, with or without shears; counter shafts to fit all sizes and kinds of universal chuck gear cutting engines; all of the above tools are of the best quality, and are forsale at 25 per cent. less than any being the resits. The Company are also manufacturing there tools in the market. Cuts and list of prices can be had by addressing as above, post-pud. Winthows bo 1 Plait st, New York, S. C. III LINS, Agent N. H. Ma-nufacturing Co.

PLANING, TONGUING, AND GROOVING— BEARDSLEE'S PATENT.—Practical operation of these Machines throughout every portion of the United States, in working all kinds of wood, has proved them to be superior to any and all others. The work they pro-duce cannot be equalled by the hand piane. They work from 100 to 200 feet, lineal measure, per minute. One mach ne has planed over twenty millions of feet during the last two years, another more than twelve millions of of feet Spruce flooring in ten months... Working models can be seen at the Crystal Palace, where further informa-tion can be obtained, or of the patentee at Albany, N. Y 1 tf GEO. W. BEARDSLEE.

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