

To John L. Tuttle, of Lawrence, Mass., for improvements in the mode of making toothed cylinders.—Patented Oct. 30, 1849.

What I claim is the mode of setting and adjusting the teeth of toothed cylinders, made substantially as hereinbefore described, the said improvement consisting in the employment of the screw in combination with the external tube of paper or metal, the said screw not only enabling me to set the teeth in a helix line, which presents great advantages in their operation, but to readily withdraw it (the screw) at the proper time, and for the introduction of the cylinder as described.

To Wm. J. Van Ness, of Baltimore, Md., for improvement in Transverse Callipers. Patented Oct. 30, '49.

What I claim is the transverse callipers, having legs so formed and connected so as to insert into the bung of a cask to ascertain its length from head to head, or its width from side to side, substantially as herein described.

To Jonathan Sullivan of Lexington, N.C. for improvement in Straw Cutters. Patented Oct. 30, 1849.

RE-ISSUES.

To Moses Pinnock & Samuel Pinnock, East Marlborough, Penn., for improvement in Seed Planters.—Patented March 12, 1841; re-issued Oct. 30, 1849.

We wish it to be understood that we do not claim the separate or individual action of the seed tubes independently of the seed rollers and hoppers:—but what we do claim is,

First, The simultaneous throwing into and out of operation, by the movement of a lever or other mechanical equivalent, or device, each seeding cylinder and its respective drill, or seed tube, for the purpose of sowing with any number of hoppers and drills that may be required in sowing point or other irregular land, without stopping the animal or animals attached to the machine—not intending to limit ourselves to the particular construction herein described and represented in the annexed drawings, but to vary these in any way that we may deem proper, so that the before described results are effected by means substantially the same as those described in the foregoing specification.

Secondly, We also claim the arrangement of the spur wheels for the purpose of connecting the seed rollers, and hoppers, to the shaft, as before described, in such manner that they can be disengaged at pleasure whilst the machine is in motion.

[We will publish no claim that contains no idea of its nature. Subscribers who wish the full claim will be furnished, if desired, by dropping us a note. The list of names will always be full. The claims this week, are of wonderful length.]

TO CORRESPONDENTS.

"J. C., of Mass."—The model and engraving of your parallel vice were forwarded to you by Adam's & Co.'s Express, on the 29th ult.

"Z. F., of R. I."—We have given your views a candid consideration, and are free to confess that they are valuable. You had better apply to some ship owner in Providence for an opportunity of testing their value, and report us the result.

"A. P. T., of Pa."—Your favor has been received. We hope you will hurry up that model as fast as possible; there has been much delay already. We shall attend to it as soon as it reaches us.

"I. A. L., of N. Y."—Some time in August last, we wrote you concerning some matters in which you have a personal interest, but have not heard from you since. We cannot watch the matter any longer, and trust you will dispose of it at once. How do you succeed with those experiments?

"Dr. J. B. R., of Ala."—Your papers and model have been received; we have not had time to examine them, but will do so as soon as possible and write you by mail.

"G. H., of Troy."—We cannot discover any patentable novelty in your plan for making steering wheels. The number of pieces makes no difference in a novel point of view.

"J. S., of Pa."—We have examined the principle of Mr. P.'s patent, and think it good. We knew of the existence of this patent, but had never before seen a drawing of it. There can be no doubt of its validity, and we have never known of its having occasioned any contention. We should say, "go on." But if you should ever purchase a right again, be sure that it is secured by letters patent.

"J. C. W., of N. C."—A first rate straw cutter can be purchased here for 12, 14, 16, 18, or 20 dollars—according to the size; we should think it would cost about \$1,50 or \$2 to deliver it in Columbia. Grant Thorburn, Esq., of Charleston, formerly of this city, can doubtless furnish you with any kind of fruit trees.

"E. F. W., of Conn."—There are several machines in use for folding cloth. A machine constructed "entirely different" from the one referred to, could be patented, provided it did not interfere with any other. Our opinion in reference to its mercantile value, is, that it would depend much upon its utility and management; if the machine should prove valuable, there is no reason why it should not pay, much however depends upon management.

"R. A. J., of Mo."—We cannot see any ground for your supposition. The principles contended for are well known to all scientific mechanics. We happened to have a succinct statement on hand, which we have forwarded to you for consideration. Please return it as soon as you have perused it sufficiently.

"C. N. H., of N. H."—We believe as Olmstead does, in respect to momentum. We do not endorse the wrong opinion to which you refer, and over which we had no control. Something will come up soon to review the whole field.

"N. & R., of Waterloo."—Your letter of the 26th ult., reached us safe. We regret to say that the number wanted cannot be supplied, as we have none of them on hand. The accompanying note was forwarded to Mr. Robertson's address. We are endeavoring to collect the information sought, for future publication in the Sci. Am. We approve of your ideas in relation to the use of pulverized, hard wood charcoal, it would be well for you to make further experiments, as your interest is one of great importance.

"O. P., of Mass."—We do not know of any such instrument as you refer to.

"E. C. L., of N. Y."—We could not send the complete set of Vol. 4, ordered by you. Your name, together with Mr. H.'s has been entered for Vol. 5, complete.

"J. K. J., of Pa."—There are no advantages derived from your plan. The spark arresters obviate the necessity of introducing anything to extinguish the sparks.

"H. W., of Md."—Having no knowledge of the instruments referred to, we have forwarded your letter to Mr. H. for attention. No. 50 sent; No. 20 have not.

"B. B. S., of La."—There can be but one objection to your machine—that is, you employ more gearing than is necessary. One bevel gear is just as good as two. Try it and see if we are not right.

"H. A. F., of Vt."—Do you mean to be understood, that a vacuum can be produced in the cylinder by revolving it? Can you revolve a cylinder faster than air will rush into a vacuum? These questions require your study.

A. J. P., of N. Y., D. L. G., of N. H., J. I., of N. Y., and D. B., of Mich., your applications have been forwarded to the Patent Office since our last issue, with the required fees.

Money received on account of Patent Office business, since Nov. 1st, 1849:—

A. J. P., of N. Y., \$20; L. A. & Son, Mass., \$30; D. L. G., of N. H., \$20; J. I., of N. Y., \$20; H. L., of Ind., \$30; J. P. G., of N. Y., \$20; D. B., of Mich., \$50; N. P. D. & R. G. H., of Ct., ea. \$30; R. S. T., of Me., \$10.

"THE SCIENTIFIC AMERICAN."—This valuable paper has been numbered among the missing, upon our table. How comes this?"—Martinsburgh Gazette.

We would inform friends Miller and Potterfield, that we cannot answer their question unless we lay it to Uncle Sam's door. Every number of the new Vol. has been sent from this office to the Gazette.

Notice.

We refer our subscribers to No. 5 of this Vol. for particulars in relation to back numbers: We would also say, that whenever our friends order numbers they have missed—we shall always send them, if we have them on hand. We make this statement to save much time and trouble, to which we are subjected in replying, when the numbers called for cannot be supplied.

ADVERTISEMENTS.

Patent Office.

128 FULTON ST. NOTICE TO INVENTORS.—Inventors and others requiring protection by United States Letters Patent, are informed that all business relating to the procurement of letters patent, or filing caveats, is transacted at the Scientific American Office, with the utmost economy and despatch. Drawings of all kinds executed on the most reasonable terms. Messrs. Munn & Co. can be consulted at all times in regard to Patent business, at their office, and such advice rendered as will enable inventors to adopt the safest means for securing their rights.

THE YANKEE BLADE.—A large and handsomely printed Weekly Journal, devoted to Literature, Art, Education, Morals, Criticism, Fun, News and Story Telling—and especially desirable to the Family Circle. Published every Saturday, at \$2 per annum, in advance.

OPINIONS OF THE PRESS. THE YANKEE BLADE.—Our readers need not be told that the Yankee blade is an excellent paper. The fact is known and undisputed among all communities into which the paper has been introduced and wherever the name of Matthews, its worthy and accomplished editor, has been made familiar. It gives us pleasure to notice that the labors bestowed on the Blade are justly appreciated by the reading public, and that the editor finds consolation and reward, as well in its popularity, as in the more substantial evidences of friendship and patronage.

PREMIUM STOVE POLISH, &c.—Quarterman's Chemical Oil Stove Polish, American Atomic Drier, Electro Chemical graining colors, and gold size. The stove polish is put up in tin boxes of 12 1-2 to 31 1-4 cts. Sold wholesale and retail at 114 John st., New York, by QUARTERMAN & SON, Painters and Chemists.

PATENT HOISTING MACHINE FOR SALE.—The right to manufacture, sell, and use in the State of New York, Geo. E. Warner's patent apparatus for hoisting bricks, mortar, etc., upon buildings while erecting. Letters Patent were granted on the above invention the 5th of last June, and a description published in the Scientific American page 292 Vol. 4. The right of the State of New York will be sold cheap. Address N. & C., care of Munn & Co., this office.

TELESCOPE FOR SALE.—A fine five and a half feet reflector, with five inch aperture, Herschelian and Newtonian construction combined, with equatorial movement, for sale by G. D. HISCOX, 31 Jay st., N. Y.

STEAM ENGINE FOR SALE.—A Steam Engine of 80 horse power, with two return flue boilers, all complete. The Engine was made by Hogg & Delamater, of this city, and has been run less than one year—cost \$8000 and will be sold for \$3000—the manufacturing company that used it having failed. Application must be post paid to SAUCEL C. HILLS, Machinery Agent, 43 Fulton street, Who has constantly for sale, Engines, Lathes, Planers, etc. etc.

PARKER'S WATER WHEEL.—The Subscriber offers rights for Sale, by Counties or States, of the Best Water Wheel for Grist Mills, in the United States, which will grind a bushel of corn from three to eight minutes, under a head of water from five to ten feet. It being at the same time simple and durable; any person purchasing a State right will be furnished with a model, and by addressing the Subscriber at Camden, S. C., will have all satisfactory information given.

ENGINE LATHES.—The Subscribers are now manufacturing, and have constantly on hand, an extensive assortment of the best patterns of Engine Lathes, which they offer at the following prices:—A Lathe 8 feet long, swing 19 inches, with back and screw gearing, drill chuck, centre and follow rest, \$300; ditto, without screw gearing, \$150; ditto, with out fixtures, \$125. For particulars of other sizes, address, (post-paid) SCHANTON & PARSHLEY, New Haven, Ct. Munn & Co., Scientific American Office, are Agents for the above Lathes. Universal Chucks for sale at \$15.

DAGUERRIAN MATERIALS.—JOHN ROACH, Optician, 79 Nassau st., N. Y., is manufacturing American Cameras of imported Flint Glass, which are warranted equal to any. Also, on hand, Voigtlander Cameras, Plates, Cases, Chemicals, and Galvanic Batteries for gilding and silvering. Electro Magnetic Machines for medical purposes. Thermometers wholesale and retail. Object Glasses of various sizes, ground to order and warranted achromatic.

EMPLOYMENT.—Pleasant and profitable employment may be obtained by a number of intelligent and active young men in every County, by addressing postpaid, FOWLERS & WELLS, Publishers, 129 and 131 Nassau-st, New-York.

THOMAS E. DANIELS' PLANING MACHINES.—Manufactured by HOWE, CHENEY & CO., Worcester, Mass. All orders for the above machines executed at short notice and satisfactory prices.

GUN FOR SALE.—A fine sporting Shot Gun, of English manufacture and of superior finish, for sale at this office. It belongs to one of the proprietors of this paper and will be sold for \$25; it is nearly new and cost \$50. Address "Scientific American."

Z. C. ROBBINS, CONSULTING ENGINEER AND COUNSELLOR FOR PATENTERS. Office on F street, opposite Patent Office, Washington, D. C.

NOTICE TO CAPITALISTS.—We are authorized, by a company in the State of Ohio, to call the attention of those interested in the manufacture of flour and woollen goods, to the sale of a large and well established concern in one of the best regions of that great State. The ill health of the partners compels them to retire from business. The full particulars in relation to the above property, may be had by personal application to the subscribers, or by letter, post-paid. MUNN & CO., 128 Fulton st., N. Y.

LAW'S NEW PLANING MACHINE.—For boards and plank, is now in operation in this city—planing, tonguing and grooving at the same time, with rapidity and beauty. It is believed to be superior to any other machine, as it will do the work of two or three rotary machines, and for all Southern, and the majority of Northern lumber, the execution is much better. Machines, with rights for States, or Counties, can be had by applying to the subscriber, at 216 Pearl street, or at Collyer & Dugand's mill, foot of West Fourteenth street, where the machine is at work.

SUPERIOR TURNING LATHES.—James Stewart, 15 Canal st., and 106 Elm st. is constantly manufacturing and has now on hand between 50 and 60 superior Lathes of the following descriptions and at reasonable prices, namely: Dentist's Lathes, very highly finished.

FAIRMAN'S PATENT UNIVERSAL CHUCK, FOR LATHES.—Oliver Snow & Co.'s Hand Planing Machines, also Lathes for dentists, Jewellers, Wood Turners, &c. Lathe Wheels, Bands, Hooks and Eyes, Circular Saws, Saw Mandrills, and every other description of Tools for Machinists, Carpenters, Coachmakers, &c., constantly on hand at WOOD'S old established Tool store, corner of Chatham and Duane streets, New York.

BRITISH PATENTS.—Messrs. Robertson & Co., Patent Solicitors, (of which firm Mr. J. C. Robertson, the Editor of the Mechanics Magazine forms its commencement in 1833, is principal partner,) undertake THE PROCURATION OF PATENTS, for England, Scotland, Ireland, and all other European Countries, and the transaction, generally, of all business relating to patents.

LAP WELDED WROUGHT IRON Tubes, for Tubular Boilers, from 1-2 to 8 inches in diameter.—These are the only Tubes of the same quality and manufacture as those so extensively used in England, Scotland, France, and Germany, for Locomotive, Marine and other Steam Engine Boilers.

TO INVENTORS.—The subscriber begs leave to inform inventors and others that he manufactures working models of machinery &c. in a neat workmanlike manner. Patterns of every description made for Castings. Scroll sawing neatly executed.—Mathematical and Nautical Instrument Cases of every description. JOSEPH PECKOVER, 240 Water street N. York, (between Beekman st. and Peck Slip) \$30 5m*

TO IRON FOUNDERS.—Fine Ground Sea Coal, an approved article to make the sand come off the Castings easily; fine bolted Charcoal Backing; Lehigh fine Dust, and Soapstone Dust for facing stove Plates, &c. &c.; also Black Lead Dust, for sale in Barrels, by GEORGE O. ROBERTSON, y28 4meow 303 West 17th street, New York.

A DEE'S AMERICAN CAST STEEL Works, (at the foot of 94th st., N. River, N. Y.) The above works are now in successful operation, and the proprietor would respectfully call the attention of machinists and all consumers of the article to an examination of his Steel, which he is warranted by the testimony of the principal machinists and edge tool makers of this city, in recommending as fully equal in every respect to any ever used in this country.

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