

42,530.—Relief Printing Plates.—Benjamin Day, Hoboken, N. J., assignor to W. G. Lord, C. Ponomareff & J. S. Talbot, New York City :

I claim preparing a surface of chalk, clay, or similar material with an ink that does not penetrate but adheres to the said surface and protects the same while brushed or rubbed for producing a relief printing surface, as specified.

42,531.—Machine for punching and cutting Metal.—Nicholas de Teleschiff, St. Petersburg, Russia, assignor to Ezra Jenks, London, England. British Patent dated Jan. 24, 1863 :

I claim the application to the construction of punching and cutting machinery, of the levers, f f', in combination with the slide bars, e e, and the screw, i i', the whole arranged and operated in connection with the auxiliary mechanism, in manner substantially as herein set forth.

42,532.—Harvester.—John H. Elward (assignor to himself and W. H. Cushman), Ottawa, Ill. :

I claim the application to harvesting machines of hinged finger-bar bent at right angles in which the horizontal part constitutes the finger-bar proper, while the vertical part serves the purpose of a lever and rest-stand, substantially in the manner and for the purposes described.

I also claim in combination with a bent finger-bar herein described, the shoe, F, when constructed with the rear flange, B', and with the standards, G, and bottom-plate, F, substantially in the manner herein described.

I also claim the method herein described of raising the inner end of the finger-bar within the standards, G, of the shoe, F, for the purpose of adjusting its position as well as to give it free play in passing over obstructions, substantially as herein described.

I also claim the application to harvesting machines of lozenge shaped hollow sickle blades having cutting edges at their front and rear, and provided with inner cutting edges, substantially in the manner herein described.

I also claim in combination with the hollow lozenge shaped cutter blades attached to the vibrating sickle bar, similar formed sickle blades attached to a stationary sickle bar, substantially in the manner and for the purposes set forth.

I also claim in combination with the vibrating and stationary sickle bars and sickles herein described, the guard-finger, n, closed at the top and having a hollow space at the lower part for the escape of the grass or other material which might choke the cutters, substantially in the manner herein described.

I also claim the screws, d, in combination with the flanges, e, of the shoe, L, and the finger-bar, D, for raising the outer end of the finger-bar, substantially in the manner herein described.

I also claim in combination with the shoe, F, substantially as herein described, the arms, G, and bracket, H, for the purpose of securing and adjusting the same to the frame, substantially in the manner and for the purposes herein described.

42,533.—Fabric manufactured from Caoutchouc, &c.—Oscar Falke and Philip Scrag, New York City, assignor to themselves and Thos. A. Jenckes, Providence, R. I. :

The new manufacture or substance hereinabove described, and possessing the substantial properties herein described, and composed of india-rubber, gutta-percha or other vulcanized gum and sulphur, in the proportions substantially such as described, and when incorporated, subjected to a high degree of heat, as set forth, and whether other ingredients be or be not used in the preparation of the manufacture, as herein described.

42,534.—Lamp.—Caleb Goodwin (assignor to himself and J. C. W. Bailey), Chicago, Ill. :

I claim, first, The wick tube, B, either corrugated or otherwise, so constructed as to admit of sundry air passages extending from its lower part to the top, and discharging the air immediately at the base of the flame, substantially as and for the purposes set forth.

Second, The combination and arrangement of the wick tube, B, the open burners, C, and the cone, A, when constructed and operating substantially as and for the purpose herein described.

42,535.—Portable Baker.—J. H. Jackson, U.S.A., assignor to himself and Mahlon M. Wombaugh, Cincinnati, Ohio :

I claim the portable cooker and mess kit, composed of the exterior pan, A, having ears, D D' B B', for convenient suspension and for attachment of a cover, F E B, the interior pan, G, insulated from the pan, A, by projections, H H' H'', I I' I'', and the interior elevated cover or catoply, J, the whole being combined and operating in the manner set forth.

42,536.—Fountain Pen.—G. J. Nolty (assignor to himself and D. Robertson), New York City :

I claim a fountain pen provided with a movable plug, C, which has a central channel, c, and groove, f, and works in the socket, B, against the partition, b, which is provided with a hole, e, substantially in the manner herein specified, so that by turning the plug in the socket the supply of ink in the pen can be regulated.

42,537.—Shoe-knife.—S. Richard (assignor to himself and W. C. Barnes), Southbridge, Mass. :

I claim the improved form of knife blade substantially as shown and described.

I also claim the manner of confining the knife to the handle and allowing it to be adjusted or removed by means of the slotted shank, as set forth.

42,538.—Feed-water Heater.—John R. Sees, New York City, assignor to W. F. Weaver, Philadelphia, Pa. :

I claim the corrugated diaphragm feed-water heater attached in the manner and for the purposes herein set forth.

42,539.—Feed-water Heater for Locomotives.—John R. Sees, New York City, assignor to Wm. F. Weaver, Philadelphia, Pa. :

I claim surrounding portions of the feed-water heater with the annular bands, as and for the purposes herein set forth.

42,540.—Steam Gage.—John R. Sees, New York City, assignor to Wm. F. Weaver, Philadelphia, Pa. :

I claim, first, Constructing the steam or pressure chamber of the gage of the disks, said steam space or pressure chamber being free from solid substances therein, and the lever on the upper end thereof having both of its ends free, the parts being arranged substantially in the manner and operating as herein set forth.

Second, I claim the arrangement of the lever, i, and the other devices, as herein recited, for communicating and indicating the pressure.

Third, I claim the plate, t, and its arm, u, for adjusting the gage to high or low pressures.

42,541.—Check Valve.—John R. Sees, New York City, assignor to Wm. F. Weaver, Philadelphia, Pa. :

I claim the valve, g, with recessed ends, h and i, and with a groove or depression, j, and susceptible of being operated substantially as herein set forth.

And I further claim, in combination with check valve constructed as herein described, the movable seat for the purposes herein recited.

42,542.—Breech-loading Fire-arm.—Isaac Smith (assignor to himself, C. B. Debaren and John B. Morrell), New York City :

I claim, first, The safety bolt, D, arranged as described, to work transversely to the hammer and operated by means of an eccentric wrist, f, on the rear end of the pin, b, of the breech-piece, substantially as herein specified.

Second, The cartridge-extractor, E, swinging horizontally about a pin, g, furnished with a tooth, j, and actuated by means of a hook, k, which is combined with a transversely swinging breech-piece, the whole arranged and operating substantially as herein specified.

[This invention consists in a novel mode of applying a safety bolt in combination with the movable breech-piece of a breech-loading fire-arm, for the purpose of preventing the hammer from coming down and firing the cartridge while the breech-piece is open. It also consists in a certain novel arrangement of an extractor for extracting discharged metallic cartridge shells from the barrel of a breech-loading fire-arm, and certain novel and simple means of operating the same.]

42,543.—Fastening for Flasks or Molds.—Orrin H. Burdick (assignor to himself and D. M. Osborne, Auburn, N. Y. :

I claim, first, Making the part, E, of a two-part fastening for flasks, convex, substantially as and for the purpose described.

Second, In combination with the two parts, E and D, the recess in the end of the corresponding tongue in the other, substantially as and for the purpose described.

Third and lastly, The combination of the tongue, the corresponding recess and the key or pin for locking and holding together the different parts of a flask, substantially as and for the purposes described.

42,544.—Boot-leg Stiffener.—Nathaniel Gear, Indianapolis, Ind. :

I claim the application of jointed metallic bars or stiffeners to the legs of boots, so as to keep them up and prevent them from wrinkling, whilst they are free to conform to the joints of the wearer, making them very comfortable and easy, and avoiding chafing of the feet, substantially as described.

RE-ISSUES.

1,658.—Design for Back Combs.—Elias Brown (assignee of Abel Gray), Wappinger's Falls, N. Y. Patented Jan. 24, 1860 :

I claim the ornamental design for a comb, herein shown and described, which consists substantially in providing the upper part of the comb frame with a series of strings of spherically-shaped projections or balls of gradually diminishing diameter from the center toward the edges of the comb, as set forth.

1,659.—Flour-packer.—Nathan Kinman, Cambria, N. Y. Patented Oct. 30, 1864. Extended \_\_\_\_\_

I claim, first, The packing of flour by means of inclined blades or spiral scrolls, substantially in the manner and for the purposes set forth.

Second, I claim the spout, b, conjointly with the blades, h, or spiral scrolls for directing the flour into the barrel and for holding the flour whilst the barrel is removed, substantially as set forth.

Third, I claim the hollow shaft, g, for the escape of the air as it is expelled from the barrel in packing flour.

Fourth, I claim the self-acting clutch in combination with the packing apparatus, in the manner above set forth.

1,660.—Eraser and Pencil-sharpener.—A. G. Shaver, New Haven, Conn. Patented March 8, 1859. Re-issued Aug. 30, 1859 :

I claim, first, An eraser with a convex or burnishing back, substantially as and for the purpose set forth.

Second, The application of one or more cutting edges, D, to the shank of an eraser.

Third, The serrated or file groove, E, for the purpose herein shown and described.

[This invention consists in giving to one side of the eraser a convex form in such a manner that the same can be conveniently used as a burnisher or polisher; it consists, further, in combining with this curved or waved eraser a pencil sharpener, by forming a cutting edge on one or both sides of the shank thereof. And it consists, finally, in the application to the surface of the blade or shank of the eraser of a serrated or roughened groove, for the purpose of finishing the point of the pencil or sharpening it after the wood has been cut away.]

1,661.—Tooth-pick.—Benj. F. Sturtevant, Boston, Mass. Patented June 2, 1863 :

I claim as a new article of manufacture, a machine-made tooth-pick cut from a band or strip, in such a manner that the form of the pick one way corresponds with the cross-section of the band, while its form the other way is determined by the shape of the cutter or cutters, and movement given to the strip, or to both.

I also claim making tooth-picks with bevels or chamfers at the opposite ends of each, from a blank or band chamfered at its opposite edges, substantially as specified.

DESIGN.

1,932.—Trade-mark.—Theodore Thurber, Auburn, N. Y.

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MESSRS. MUNN & CO.—I take pleasure in stating that, while I held the office of Commissioner of Patents, MORE THAN ONE-FOURTH OF ALL THE BUSINESS OF THE OFFICE CAME THROUGH YOUR HANDS. I have no doubt that the public confidence thus indicated has been fully deserved, as I have always observed, in all your intercourse with the office, a marked degree of promptness, skill, and fidelity to the interests of your employers. Yours very truly, CHAS. MASON.

Judge Mason was succeeded by that eminent patriot and statesman, Hon. Joseph Holt, whose administration of the Patent Office was so distinguished that, upon the death of Gov. Brown, he was appointed to the office of Postmaster-General of the United States. Soon after entering upon his new duties, in March, 1859, he addressed to us the following very gratifying letter:—

MESSRS. MUNN & CO.—It affords me much pleasure to bear testimony to the able and efficient manner in which you discharged your duties as Solicitors of Patents, while I had the honor of holding the office of Commissioner. Your business was very large, and you sustained (and I doubt not justly deserved) the reputation of energy, marked ability, and uncompromising fidelity in performing your professional engagements. Very respectfully, your obedient servant, J. HOLT.

Hon. Wm. D. Bishop, late Member of Congress from Connecticut, succeeded Mr. Holt as Commissioner of Patents. Upon resigning the office he wrote to us as follows:—

MESSRS. MUNN & CO.—It gives me much pleasure to say that, during the time of my holding the office of Commissioner of Patents, a very large proportion of the business of inventors before the Patent Office was transacted through your agency; and that I have ever found you faithful and devoted to the interests of your clients, as well as eminently qualified to perform the duties of Patent Attorneys with skill and accuracy. Very respectfully, your obedient servant, Wm. D. Bishop.

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Persons having conceived an idea which they think may be patentable, are advised to make a sketch or model of their invention, and submit it to us, with a full description, for advice. The points of novelty are carefully examined, and a written reply, corresponding with the facts, is promptly sent, free of charge. Address MUNN & CO., No. 37 Park Row, New York.

As an evidence of the confidence reposed in their Agency by inventors throughout the country, Messrs. MUNN & CO. would state

that they have acted as agents for more than TWENTY THOUSAND inventors! In fact, the publishers of this paper have become identified with the whole brotherhood of inventors and patentees, at home and abroad. Thousands of inventors for whom they have taken out patents have addressed to them most flattering testimonials for the services rendered them; and the wealth which has inured to the individuals whose patents were secured through this office, and afterwards illustrated in the SCIENTIFIC AMERICAN, would amount to many millions of dollars! Messrs. MUNN & CO. would state that they never had a more efficient corps of Draughtsmen and Specification Writers than those employed at present in their extensive offices, and that they are prepared to attend to patent business of all kinds in the quickest time and on the most liberal terms.

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HOW TO MAKE AN APPLICATION FOR A PATENT.

Every applicant for a patent must furnish a model of his invention if susceptible of one; or, if the invention is a chemical production, he must furnish samples of the ingredients of which his composition consists, for the Patent Office. These should be securely packed, the inventor's name marked on them, and sent, with the Government fees, by express. The express charge should be pre-paid. Small models from a distance can often be sent cheaper by mail. The safest way to remit money is by a draft on New York, payable to the order of Messrs. MUNN & CO. Persons who live in remote parts of the country can usually purchase drafts from their merchants on their New York correspondents; but, if not convenient to do so, there is but little risk in sending bank bills by mail, having the letter registered by the postmaster. Address MUNN & CO., No. 37 Park Row, New York.

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Table with 2 columns: Fee description and Amount. Includes: On filing each Caveat (\$10), On filing each application for a Patent, except for a design (\$15), On issuing each Original Patent (\$30), On appeal to Commissioner of Patents (\$20), On application for Re-issuance (\$30), On application for extension of Patent (\$50), On granting the Extension (\$50), On filing a Disclaimer (\$10), On filing application for Design (three and a half years) (\$10), On filing application for Design (seven years) (\$15), On filing application for Design (fourteen years) (\$30).

The Patent Laws, enacted by Congress on the 2d of March, 1861, are now in full force, and prove to be of great benefit to all parties who are concerned in new inventions.

The law abolishes discrimination in fees required of foreigners, excepting natives of such countries as discriminate against citizens of the United States—thus allowing Austrian, French, Belgian, English, Russian, Spanish and all other foreigners, except the Canadians, to enjoy all the privileges of our patent system (except in cases of designs) on the above terms. Foreigners cannot secure their inventions by filing a caveat; to citizens only is this privilege accorded.

CAVEATS.

Persons desiring to file a caveat can have the papers prepared in the shortest time by sending a sketch and description of the invention. The Government fee for a caveat is \$10. A pamphlet of advice regarding applications for patents and caveats is furnished gratis, on application by mail. Address MUNN & CO., No. 37 Park Row, New York.

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Many valuable patents are annually expiring which might readily be extended, and if extended, might prove the source of wealth to their fortunate possessors. Messrs. MUNN & CO. are persuaded that very many patents are suffered to expire without any effort at extension, owing to want of proper information on the part of the patentees, their relatives or assigns, as to the law and the mode of procedure in order to obtain a renewed grant. Some of the most valuable grants now existing are extended patents. Patentees, or, if deceased, their heirs, may apply for the extension of patents, but should give ninety days' notice of their intention.

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