

soon as, or whenever the water enters the tube the pump is complete and ready to be operated without withdrawing anything from the tube or inserting anything therein, substantially as shown and described.

52,932.—Feed-adjusting Device for Sewing Machines.—George Rehffuss (assignor to himself, C. J. Patterson, E. Vincent, A. Hart, M. Moore, A. H. Mitchell and A. H. Reed,) Philadelphia, Pa.:

I claim the e nave disk, C, with its slits, i, i, and arm, e, constructed and combined with the feed device of a sewing machine, substantially as and for the purpose specified.

52,933.—Magazine Fire Arm.—James D. Smith, Bridgeport, Conn., assignor to Oliver F. Winchester, New Haven, Conn.:

I claim the combination of the guides, d2 d2, with the hooks, a' a', upon the breech pin, L, substantially in the manner and for the purpose set forth.

52,934.—Magazine Fire-arm.—James D. Smith, Bridgeport, Conn., assignor to Oliver F. Winchester, New Haven, Conn.:

I claim the combination of the fixed, A', mortice, D, and carrier block, E, constructed and arranged so as to charge the magazine through the frame and beneath the carrier block, substantially as and for the purpose specified.

52,935.—Clothes Sprinkler.—Wm. E. Stanford (assignor to himself and J. Edwin Sherman, Bucksport, Me.):

I claim a clothes sprinkler made with woolen yarns applied to the part, A, substantially as described.

52,936.—Braiding Machine for Making Three-strand Braids.—John Taggart, Roxbury, Mass., assignor to himself, J. H. Lester, and Charles D. Ellis, Boston, Mass.:

I claim the combination and arrangement of the four springs, K K K K, with the frog, F, arranged with respect to the racer circuit substantially as specified.

I also claim the arrangement and combination of the frog, F, and its four springs, K K K K, with the racers and their operative plates constructed in manner and so as to operate as specified.

I also claim the arrangement and combination of the upright shaft, z, and its three arms, y a' a', the slider, w, and its pawl, v, with the draft rollers, three racers and their operative plates and frog, as specified.

52,937.—Spring Bed Bottom.—Newiel J. Willis (assignor to himself and Ammi Brown,) Boston, Mass.:

I claim the combination and arrangement of the round bars, B, C, the springs, b, and their straps, a, such being affixed to the frame, A, and the slats, D, substantially as described.

52,938.—Breech-loading Needle Guns.—John Frederick Christian Carle, Hamburg, Germany:

I claim the slide, g, in combination with connecting rod, r, spiral spring, m, upright, s, and lever, t, substantially in the manner and for the purpose herein set forth.

52,939.—Apparatus for Separating Whey from Curd.—Philip Coombes, Liverpool, Eng.:

I claim, in the manufacture of cheese, separating or removing whey from curd by mechanical means or apparatus, consisting of a pump and filter or sieve, substantially as herein set forth and illustrated by the accompanying sheet of drawings.

52,940.—Organ, Harmonium, Etc.—William Dawes, Leeds, Eng.:

I claim giving an improved or increased accent or expression to organs, harmoniums, and other harmonious keyed instruments, by imparting to them the mechanical capability of giving or sounding automatically the air (soprano) or melody only (additionally) upon one or more parts, portions or sections, while the other parts of the same instrument are giving or sounding the full chorus or harmony as heretofore, and the parts or sections receiving at the same time the same first motion, action or influence from the keys and player.

52,941.—Apparatus for the Manufacture of Paper Pulp.—James Easton, Jr., Grove, Southwark, Eng., and Francois Thiry, Huy, Belgium:

We claim the passage, E, and movable fire boxes or cars, B, in combination with two or more boilers, A, at A2, constructed and operating substantially as and for the purpose set forth.

Second, The radial arms, d, and the chains, d', in combination with the boilers, A, at A2, and with suitable gear intended to give the shaft from which the arms, d, extend, a revolving motion, substantially as and for the purpose described.

52,942.—Dyeing Yarn, Etc.—Alfred Paraf, Mulhouse, France:

I claim a, oxidizing agents in dyeing and printing, the use of the oxygen compounds of chlorine more soluble than those combined with rotash, such as chlorate of soda, chlorate of ammonia, chlorate of barytes, chlorate of strontian, chlorate of lead, chlorate of lime, chlorate of magnesia, chlorate of alumina, chlorate of zinc, chlorate of nickel, chlorate of copper, chlorate of chrome, chlorate of iron, and chlorate of potassium, when decomposed by hydrofluosilicic acid, either for preparing textile fibers to be printed with steam colors or with aniline black, catechu brown, and similar colors, or by mixing them with colors and dyes both to oxidize; and to the aniline black color in order to hasten the oxidation, I find advantage in adding 2 1/2 to 3 per cent of a salt of protoxide of iron or copper, and print such colors upon cloth prepared in one or more of the above-mentioned soluble chlorates.

I also claim the use of the chlorites and hypochlorites in the place of the chlorates in dyeing and printing.

And also the preparation of animal fibers in copper salts mixed with chloric and chromic acid salts, to enable them to receive aniline blacks or other similar colors for dyeing and printing.

52,943.—Compound for Fining, Purifying, and Mellowing Spirituous Liquors.—William Thompson, Dublin, Ireland:

I claim an improved spirituous or vinous compound for fining, purifying and mellowing spirituous liquors, containing an admixture of prunes, saccharine matter, water, rectified spirits of wine, and extract of prunes, prepared in manner and for the purposes substantially as hereinbefore set forth.

52,944.—Wood bending Machine.—Edward C. Harris, New York City:

First, I claim bending the fronts of pianos, whether formed of thin sheet of wood glued together and veneered as described, or in one piece and veneered, by forcing such front or block into the concave bed, by applying power to blocks, A, and holding the stuff thus bent in position by clamps, B and B', operating on the bending blocks in combination with the heated bending plates, substantially as set forth.

Second, in combination with the above, I further claim the movable supplementary sections, C, arranged and employed in the manner and for the purposes specified.

52,945.—Fire Boxes of Steam Generators.—Charles F. Jauriet, Aurora, Ill., assignor to himself and A. J. Ambler, Chicago, Ill.:

First, I claim the water bridge which is arranged as specified, and is formed of a flat sheet of metal bent into the form of a semi-tube, with flat surfaces top and bottom, and applied to a fire box which has those portions of its side and back walls included within the area of the semi-tube entirely cut away, so that there is a perfectly free passage for the water in at the back and out at the sides of the bridge, substantially in the manner and for the purpose described.

Second, The combination of the stay bolts with the semi-tube water bridge, substantially as and for the purpose described.

Third, The combination of the through stay bolts, semi-tube water bridge, and the outer jacket of the fire box, substantially as and for the purpose described.

52,946.—Apparatus for Generating Gas for Illuminating.—Samuel N. Chamberlin, Abington, Mass.:

I claim the reservoir with not less than eight pairs of shelves contained therein, when constructed with a discharge pipe and otherwise, as above described, and used as above described for carbureting atmospheric air forced through it by this change produced in such air by this process and by other means.

I claim the column or vessel, A, with a series of pans, a, openings, b, and discharge pipe, d, as herein described.

52,947.—Pump for Oil Wells.—Walter S. Wilkinson, Baltimore, Md.:

I claim the cone, F, attached to a hollow screw, H, in combination

with two or more wedges, D, operated in the manner and for the purposes substantially as herein set forth.

Second, I also claim the combination and arrangement of the packing cylinder, R, and the screw, H, and the coupling, L, of the piston pipe B, as herein described and for the purpose set forth.

REISSUES.

2,181.—Hose Coupling.—Ralph J. Falconer, Washington, D. C. Patented June 7, 1853:

I claim, First, The hose coupling consisting of two parts so constructed and applied that they shall be secured when brought together by a movement transversely to the direction of the water course, as set forth.

Second, The means herein shown and described by which the parts of the coupling can be linked or held in position, to advance and complete the joint, as set forth.

Third, A hose coupling in which one of the parts is set or pressed up against a washer imbedded in or permanently secured to the face of the other part, as herein set forth.

DESIGNS.

2,266.—Top Plate of a Watch.—F. A. Giles, New York City.

2,267.—Alphabet of Letters.—William H. Page, (assignor to William H. Page & Co.), Norwich, Conn.

2,268 and 2,269.—Trade Mark.—Joseph Schedler, Hudson City, N. J., assignor to The American Lead Pencil Company, New York City. Two patents.

2,270, 2,271, and 2,272.—Plates of a Stove.—Garretson Smith and Henry Brown (assignors to Abbott & Noble), Philadelphia, Pa. Antedated Jan. 30, 1866. Three patents.

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