o fan attachment thereto composed of the scale base plate, a supporting knobs, b b', borizontal screw shaft, b, toothed wheels, d and e, winding arbor, f, and the attaching and indicating nut, g, all arranged and operating substantially in the manner herein set forth.

68,325.-WATER WHEEL.-Thomas Welham, Philadelphia,

Pa.

Ist, I claim the friction water wheel, constructed as shown and inclosed in a case, as herein described.

2d, I also claim the flanges, A, of the water-tight casing, B, said flanges forming a passage entirely around the circumference of the wheel, C, as herein shown and described.

68,326.—MUSKETO BAR AND WINDOW SCREEN.—Alcibiades

J. Whittier, Roxbury, Mass. I daim the hook, a, and the bolts. a, or their equivalent, when applied and tranged for operationsubstantially as and for the purpose set forth,

68,327.—CAR PLATFORM.—H. S. Wilcox, West Meriden, Ct. I claim the car platform constructed with plates, a a', railing, f f', supported by the posts, e e, and secured to the care by bolts or screws, all constructed and arranged substantially as described and for the purpose set forth.

68,328.—REFINING SUGAR AND SIRUPS.—Henry A. Williams (assignor to himself and Benj. H. Chadbourne), St. Louis, Mo.
I claim a combination of the ingredients used in preparing said compound, in about the proportions herein named and for the purposes set forth.

68,329.—CORN COVERER.—A. J. Combs, Olney, Ill.
I claim the combination of the frames, A and E, handles, C, roller, F, and shovels, B, all arranged and operating in the manner and for the purposes set

Shovels, D, all alrauges and options. The forth, 68,330.—MANUFACTURE OF BOOTS AND SHOES.—Wm. Duchemin and Albert Jeffers, Lynn, Mass.

We claim the peculiar construction of the tool for forming the above mentioned channel and turning its edges, consisting of the bar, A, formed at its lower end into the cutter, A, the beak or plowshare, b, and the mold board or boards, c, substantially in manner and to operate as specified.

68,331.—Sheet Copper Plates for Culinary Vessels.

68,331.—SHEET COPPER PLATES FOR CULINARY VESSELS.—Andrew O'Neill, Portsmouth, O.
I claim as a new article of manufacture a sheet of copper tinned, varni hed, and cold rolled, in the manner set forth.
68,332.—ILLUMINATING ROOFS AND ROOF PAVEMENTS.—Thaddeus Hyatt (assignor to Elizabeth Adelaide Lake), New York city. I claim, 1st, Forming the approaches over an areaway to the doorways of a building from the sidewalk by means of a solid translucent bridging of iron and glass, which serves the double purpose of stoop and roof, substantially as herein described.

124. Uniting the "areaway" to the basement of a building by a water-tight roof of iron and glass so combined as to form a gonurally flush surface fit for walking noon and taid in the plane of the addewalk, substantially as described.

waiking noon and that an one plane of one and which a consequence, as a scribed.

3d, Uniting the basement of a building to the space under the street by means of a translucent water-tight roofed airy way when the glass and from which compose the roofare so combined as to form a generally flush surface fif for waiking upon and are taid in or nearly in the plane of the sidewalk, substantially as herein set forth.

4th, Combining an area light with the sidewalk and a building by means of a double cement. Substantially as herein set forth.

a double cemented joint made with putty, or its equivalent, and hisble cement, substantially as herein set forth.

5th, Combining the glass of a roof light with the iron framing of the same by means of a double cemented joint, substantially as herein described.

6th, I claim broadly as my invention an illuminating roor of iron and glass where the iron which supports the glasses in position forms the general strength of the roof, the combination being such as to secure the two-fold object of equalizing the lightlot the glasses.

7th, I also claim broadly as my invention an illuminating step roof, composed of glass and iron that is to say where the iron and glass are composed into illuminating sills and illuminating risers, and these are again composed not of man illuminating roof, substantially in the manner and for the purpose se herein set forth.

-Vaginal Syringe.-A.W.Washburn, Yazoo City, Miss. I claim the enlargement of the immediate entering head of a syringe to such an extent as to produce an annular flange radiating the desired distance beyond the barrel or conducting tube of the same and thereby producing the improved vagina syringe herein represented and described or any other which shall be substantially the same.

REISSUES.

2,753.—GOVERNOR FOR STEAM ENGINES.—Augustus Brown, N. Y. City. Patented Nov. 7th. 1885.
I claim, the swivel arm. C. subjected to the action of a spring or weight in combination with the throttle or governor valve of a steam engine and with the belt which serves to impart motion to the governor, substantially as and for the purpose described.

2,754.—VALVE GEAR FOR STEAM ENGINE.—Putnam Machine Company, Fritchburgh, N. Y. Assignees of Charles H. Brown and Charles Burleigh. Pattored January 15, 1856.

1st., We ciaim the cam shaft, S, when so arranged with reference to the main shaft, K, of the engine, as to revolve at a rate of speed less than that of the said main shaft of the engine, substantially as, and for the purpose described.

scribed.

2d. We claim the described arrangement of two or more cams, h, upon the shaft, S, and with reference to the induction valves substantially as and for the purpose described.

3d, The shoulder and levers, d. having adjustable fulcrums, e, in combination with a cam or cams, h, for operating the valves and varying the point of cut-off substantially as set forth.

4th, Arranging the governor with reference to the shouldered levers, d, so that it will control the position of their fulcrum, e, and thereby regulate the velocity of the engine substantially as described.

5th, The manner of arranging the steam and exhaust valves with relation to the cylinder, H, and shaft, S, as and for the purpose set forth.

2,755.—HARVESTER. — Robert Bryson, Schenectady, N. Y. Patented April 8, 1862.
1st, I claim a main frame of a harvester which i adapted for carrying the

drivers seat and the gearing that operates the cutters and also for having the draft tongue attached to it. said frame being carried by two driving and supporting wheels both of which are furnished with a ratchet and pawl having a finger bar, carrying a platform, hinged to it, at one side thereof, in combination with a circularly moving sweep rake which issustained by the hinged connection of the finger bar and platform and moves over the platform at intervals and discharges the cuttorp, at one side thereof, in rear of the driving wheels, such rake being driven automatically from the draft frame.

2d, A durum or pivot for a circularly moving sweep rake, a guide for such rake and a finger beam carrying a platform, all so connected to each other and hinged to the draft frame at one side thereof that while the rake has no other support upon the draft frame at one side thereof that while the rake has no other support upon the draft frame than is derived from the draft frame, it with its pivotand guide will work in unison with the platform and finger beam through all the vibrations of the same without affecting the draft frame or changing the angle of the pivot or fulcrum with the platform.

3d, Arranking the crank or its equivalent which communicates motion to a rake which is on a hinged platform nearly in line with the joint of the finger bar so that the movements of this finger bar will not cause the joint to bind, nor materially affect the motion of the crank which works the rake.

4th, In harvester with a two wheel draft frame, a finger bar carrying a platform and a rake, the finger bar platform and rake being connected to both driving wheels by pawls and ratchets.

5th, The combination of a finger beam carrying a platform and a circularly moving sweep rake, an inner and outer supporting wheel for the finger beam, platform and arake, a hinger connection which is parallel or nearly so to the line of draft for the finger beam and platform, and a two wheel draft frame.

6th, A sweep rake mounted upon, a platform c

frame.

6th, A sweep rake mounted upon a platform connected to a finger beam which is hinged to the inner side of the draft frame in such manner that the inner edge of the platform does not extend beyond the said inner side of the draft frame.

7th, A sweep rake, a platform and a finger beam, connected together and hinged to the draft frame.

7th, A sweep rake, a platform and a finger beam, connected together and hinged to the draft frame by means of a hinge connection which allows both the outer and inner ends of the finger beam and platform to accommodate themselves to the undulations of the ground, so that the rake is allowed unchangingly to follow the motions of the platform and cutting apparatus or finger beam.

8th, A sweep rake mounted on a hinged platform and driven from the main frame, the pivot of said rake being between the center of the draft frame, and the outer divider of the platform, and the platform upon which the grain falls the reminating near the inner side of the draft frame.

2.756 — Shade E Frynther.—Stewart Hartshorn Now Vork

2,756.—SHADE FIXTURE.—Stewart Hartshorn, New York City. Patented Oct. 11, 1864.

I claim the application to a shade roller provided with a spiral spring for automatically raising or rolling up the shade of a pawl and a ratchet, or notched hnb, so arranged that the former will engage with the latter a any point or height of the shade by simply checking the rotation of the roller and the upward movement of the shade under the influence of the spring, substantially as set forth.

2,757.—SOFA BEDSTEAD.—Charles F. Martine, Boston, Mass.

Patented June 5 1854 Paissand Dec. 25 1855.

2.767.—SOFA BEDSTEAD.—Charles F. Martine, Boston, Mass. Patented June 6, 1854. Reissued Dec. 25, 1855.

1st. I claim the single spring mattress so constructed and arranged with a sofa having a hinge deach as to form, when the back is dropped from an upright to a horizontal position for forming a bed, an even surface without joint or center depression substantially as and for the purpose specified.

2d, So constructive and arranging the single spring mattress with a sofa having a hinged back that when the back is raised from a horizontal to an upright position for forming a sofa, said mattress shall be drawn in or depression that and will have the appearance and effect of two separate cushions one for the seat and the other for the back of the sofa, substantially-as specified.

3d, The arms separated in the center when used in combination with the sofa and mattress constructed in the manner and for the purpose described.

DESIGNS.

2,768.—Spoon.—Charles T. Marchand, Deleware City, Del., assignor to Higgins, Marchand & Co., Philadelphia, Pa.

2,769.—STATUETTE.—J. S. McKaye and H. G. McKay, New York City.

2,770.—CARPET OR OIL CLOTH PATTERN.—Charles T. Meyer, Bergen, N. J., assignor to Edward C. Sampson, New York City. 2,771.—Trade Mark.—H. J. and J. T. Monsch, Louisville, Ky.

-Fork or Spoon Handle.-John Polhamus, New 2,773.—FENCE.—W. E. Smith, Hartleton, Pa.

2,774.—Trade Mark.—William Ziock, St. Louis, Mo.

PENDING APPLICATIONS FOR REISSUES.

Application has been made to the Commissioner of Patents for the Reissue of the following Patents, with new claims as subjoined. Parties who desire to oppose the grant of any of these reissues should immediately address MUNN & Co., 37 Park Row, N. Y.

26,527.—Working Butter.—J. P. Corbin, Whitney's Point, assignee by mesne assignment of Josiah Seymour. Dated Dec. 20, 1859. Application for reissue received and filed Dec. 22, 1866. 18t, A vibrating rod, F, handle, G, and botter worker, H, combined and arranged to operate as shown, or in an equivalent manner, for the purpose set forth.

ranged to operate as shown, or in an equivalent manner, for the purpose set forth.

2d, The combination of the tray, B, with the butter working apparatus, arranged for joint operation, substantially as shown and described.

3d. The manner of tupping the tray or bowl to drain off the fluids, also of securing it to the table or frame, for the purpose set forth.

65,003.—STEAM ENGINE.—Horatio C. Perry, and John L. Lay, Buffalo, N. Y. Dated May 21, 1867. Application for reissue received and filed Aug. 19, 1867.

The combination and arrangement of the high and low pressure cylinders, A and B, of a vertical compound engine, baving a continuous p.s. on rod, with a space of chamber intervening between their proximate heads, substantially as and for the purpose set furth.

The combination and arrangement of the shell or frame constituting the intervening chamber, K, with the two cylinders, A and B, and continuous plston rod. F, its bottom plate forming the cover of the cylinder, B, constructed substantially as and for the purposes herein set forth.

We also claim the fitting box, consisting of the sleeve, h, and packing box, arranged and operating substantially as and for the purposes set forth.

We further claim the combination and arrangement of the man-hole, I, with the bottom plate of chamber, K, forming the head of the cylinder, B, whereby the adjustable ring, M, and sectional pack rings, r, s, of the piston, E, may be removed, substantially in the manner and for the purposes herein set forth.

E. has be removed, substantially in the manner and to the purposes herein set forth.

47,647.—Wall Builder and Stump Extractor.—George W. Packer, Jr., Mystic River, Ct. Dated Aug. 29, 1865. Application for reissue received and filed, Aug. 21, 1867.

Ist, I claim the within-described mode of laying masses in a wall or equivalent work, that is to say, partially turning the vehicle so as to bring the mass over the point desired, without moving the wheels across the same substantially as herein specified.

24. I claim the within-described combination and arrangement of the pyramidal frame, M Mi, M2, and curved reaches, EI E2, with the four wheels and their accessories, substantially as and for the purposes set forth.

34. I claim the employment of braces, PI P2, or their equivalents, in combination with the struts, M, etc., and the curved reaches, P. etc., and arranged to be supported on wheels, substantially in the manner described, so that the braces shall aid in maintaining the curvature, or arching condition of the reaches, by connecting each to the struts above, at one or more points, as and for the purpose herein set forth.

4th, I claim the spherical based rocker, C, having the king bolt, D, connected thereto by a loose joint as represented, in combination with a trussed frame, M, etc., and with the wheels, substantially as and for the purposes herein set forth.

TT NOTE.—The above claims for Reissue are now pending before the Pat ent Office and will not be officially passed upon until the expiration of 30

days from the date of filing the application. All persons who desire to oppose the grant of any of these claims should make immediate appli. MUNN & CO., Solicitors of Patents, 37 Park Row, N. Y.

Inventions Patented in England by Americans.

[Condensed from the "Journal of the Commissioners of Patents."]

PROVISIONAL PROTECTION FOR SIX MONTHS,

924.-AIRENGINE.-Philander Shaw, Boston, Mass. March 29, 1867. 2,110.—HEATING AND COOKING APPARATUS.—Oscar F. Morrill, Chelsea, Mass. July 18, 1867.

2,137.—Brewing, and Apparatus Employed Therein.—Wm. S. Haight, Wa terford, N. Y. July 22, 1867.

2,140.—NETS AND NETTING.—Benj. Arnold, East Greenwich, R. I., and Wm. J. Hooper, Baltimore, Md. July 23, 1867.
2,145.—Spring Bed Bottom.—Sterling Bonsall, Philadelphia, Pa. July 23, 1867.

2.146.—TANNING, AND APPARATUS EMPLOYED THEREIN.—Sterling Bonsall, Philadeiphia, Pa. July 23, 1867.

2,155.—RECIPROCATING MOTION.—John B.Page, New York city. July 24, 1867* 2,160.—Mold Board for Plows.—Leman P. Rider. Munson, O. July 25, 1867 2,178.—Mode of Constructing and Propelling Steam Vessels.—Stephen J. Gold, Cornwail, Conn., and Henry J. Weston, Brooklyn, N. Y. July 27, 1867.

2,179.—WATER AND GAS METER.—Joshua Mason, Paterson, N. J. July 27,1867. 2,191.—MACHINERY FOR HULLING RICE, ETC.—Simon G. Cheever, Bestor, Mass. July 29, 1867.

2,192.—INSULATORS FOR TELEGRAPHIC WIRES.—David Brooks, Philadelphia Pa. July 29, 1867.

2.214.—MACHINE FOR MANUFACTURING WEAVERS' HARNESS.—Joseph S. Winsor and Wm. W. Fletcher, Providence, R. I. July 31, 1867. 2,226.—Pocket Knife.—L. B. Morris, Hopkinsville, Ky. Aug. 1, 1867.

2,227.—Breech-loading Fire-arm.—Theodore Yates, Milwaukee, Wis. Aug. 1, 1867.

EXTENSION NOTICES.

Joseph Goldmark, of Brooklyn, N. Y., having petitioned for the extension of a patent grantest to him the 22d stay of November, 1853, for an improve-ent in facing ends of percussion caps, for seven years from the expiration of said patent, which takes place on the 22d day of November, 1867, it is ordered that the said petition be heard at the Patent Office on Monday, the 4th day of November next. Charles J. Woolson, of Cleveland, Ohio, having petitioned for the extension

of a patent granted to him on the 4th day of December, 1860, for an improvement in design for stove plate, for seven years from the expiration of said patent, which takes place on the 4th day of December, 1867, it is ordered that the said petition be heard at the Patent Office on Monday, the 18th day of

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