

No. 1937. GEORGE I. ANDERSON, JEROME V. GUE & SQUIRE UTLEY, North Western, N. Y., U. S., 16th January, 1873, for 15 years: "A Shingle Machine." (Machine à bardeau.)

Relates to a machine on which shingles can be cut from two blocks or bolts held in one reciprocating carriage, each block being inclined in opposite directions whenever a shingle has been cut from it.

*Claim.*—1st. The eccentrics of shafts S, provide I with the ratchet wheels h, and combined with the bar u, and springs R, to tilt the platforms P, P; 2nd. In the tilting platforms P, pivoted on the frame B, and rested on springs R, and eccentrics S, alternately; 3rd. The bar G, provided with the endless-rack h, and endless groove c, and combined with the pinion a, and pin v; 4th. The carriage D, provided with the fixed-dogs H, and pivoted-dogs I, and with the springs L, and combined with the pins O, on the frame B, for automatically taking hold of and releasing the bolt.

No. 1988. JESSE S. EGGLESTON, Auburn, N. Y., U. S., 16th January, 1873, for 5 years: "Device for Lubricating Car and Carriage-Axles." (Fusées d'essieux disposées pour le lubrifiage.)

Especially adapted to that class of bearings in which the weight is super-imposed, the shaft or axle revolving and the box or bearing fixed.

*Claim.*—1st. The plate D, provided with one or more openings f, f and one or more wick-tubes d, d, in combination with the oil-chamber h, in the box B, with or without the secondary chamber E; 2nd. The box B, having oil-chamber h, grooves g, and guide slots, in combination with the plate D, having one or more openings f, f, and one or more wick-tubes d, d, the plate D, and box B, being arranged in respect to the axle, so as to form a secondary oil chamber E; 3rd. The box B, provided with a reservoir and wick-tubes, in combination with spring I, and a handle T, or its equivalent, so that the box can be canted for withdrawal; 4th. The journal of a carriage-axle provided with an oil-chamber at or about its centre, in combination with a plate D, supporting one or more wick-tubes d, d, with or without the secondary chamber E, whereby the lubricating material is conveyed to the journal and the axle-box.

No. 1989. ROBERT LOUGH, Quio, Que., 16th January, 1873, for 5 years: "A Stove-Drum." (Un poêle-sourd.)

*Claim.*—The cylinder E, arranged and applied centrally and internally, in combination with the suspended cylinder B, and exterior drum A, whereby an intermediate air-chamber is formed into which cold air is admitted by the pipe C, and ejected through the pipe D.

No. 1990. EUGENE F. BENEDICT, Berea, Ohio, U. S., 16th January, 1873, for 5 years: "An Animal Poke." (Un carcan pour les animaux.)

*Claim.*—1st. The application to the upper-side of the stale A, of a flat cast steel spring B, and spurs C; 2nd. The combination with such stale and spring of a bow F, pivoted on an axle E, passing through the stale, and provided with a bar G.

No. 1991. WILLIAM W. WHITCOMB, Boston, Mass., U. S., 16th January, 1873, for 15 years: "Improvements on Boots." (Perfectionnements aux bottes.)

*Claim.*—1st. The strap C, of a boot formed from an extension of the coring strap or brace B, on the side of the boot-leg; 2nd. Combination with the strap C, of a boot the notch or opening made, in the boot-leg A, within the loop of the strap C.

No. 1992. LOFTUS PERKINS, London, Eng., 20th January, 1873, for 5 years: "A Locomotive Engine." (Une machine locomotive.)

*Claim.*—1st. The construction of traction or locomotive engines with the boiler-steam engine, and driving gear all mounted on a circular frame supported on a wheel or wheels and which can be revolved within a horizontal rail; 2nd. The construction of traction or locomotive engines as shown in fig. 1; 3rd. The construction of traction or locomotive engines as shown in figs. 2, 3 and 4.

No. 1993. GEORGE W. MILTMORE & OLIVE DOTY, Executrix of the late Ellis Doty, both of Janesville, Wis., U. S., 22nd January, 1873, for 5 years: "Car-Axles and Wheels." (Essieux et roues de wagons.)

Consist in a hollow-axle revolving upon a fixed axle, upon which are loosely mounted the wheels supporting the car.

*Claim.*—1st. The combination of the fixed axle A, the hollow and revolving axle B, and wheels E, loosely mounted thereon; 2nd. The combination of the fixed axle A, the hollow axle B, chamber D, communicating with the fixed-axle A, wheels E, and chambers F, communicating with the bearings of axle B.

No. 1994. EDWARD L. GOOLD & JAMES W. CUTHBERTSON, both of Brantford, Ont., 22nd January, 1873, for 5 years: "Machine for Catching and Destroying Flies." (Appareil pour détruire les mouches.)

*Claim.*—1st. The application of the mirror "G," to the inside of the H, or cover "A"; 2nd. The application of the springs "S," to fasten the body "B," to bottom "E."

No. 1995. EMILE R. WESTON, Bangor, Me., U. S., 22nd January, 1873, for 5 years: "Machine for Burnishing Photographic Card-Board, etc." (Un brunissoir pour les cartes photographiques et autres.)

Consists of a stationary burnishing tool of hard polished metal over which the article to be burnished is fed by a friction cylindrical feed roll.

*Claim.*—1st. A burnishing machine by which a surface is given to the article to be burnished by attrition under pressure over a stationary burnishing tool E; 2nd. The combination of a stationary burnishing tool E, and friction feed-roll c; 3rd. The combination of the feed-roll c, and burnishing tool e, with the pressure screw h.

No. 1996. CHAUNCEY BUCKLEY & LODOWICK L. SAWYER, Meriden, Ct., U. S., 22nd January, 1873, for 15 years: "A Curtain Fixture." (Ajustage des rouleaux de rideaux.)

The object of this invention is the construction of a fixture in which the curtain will be held at any point by the friction upon the roll, the friction removed or not acting when the roll is turned to draw up the curtain.

*Claim.*—1st. The bracket A, constructed with an elongated bearing a, and projection n, combined with the toothed wheel b, attached to the roll; 2nd. A pulley for curtain fixtures formed from two discs H, H, with a central depression h, and the two discs united; 3rd. In a pulley for curtain fixtures, consisting of two plates B, C, arranged upon the barrel E, and secured in position by the screw or spindle F, passing through the said barrel, into the roll, and the head bearing direct ly or indirectly upon the outer plate; 4th. Combination with the roll A, and a pulley fixed to the end of the roll, the friction plate or disc H, outside the said pulley, and the friction made adjustable by the screw F, whether the said friction-plate be separate from or a part of the racket.

No. 1997. GEORGE RAMSDELL, Assignee of Aretus A. Wilder, Detroit, Mich., U. S., 22nd January, 1873, for 5 years: "Process of Manufacturing Illuminating Gas." (Procédé de fabrication du gaz d'éclairage.)

*Claim.*—1st. A carburetted hydrogen gas for illuminating purposes when it is made by passing hydrogen gas through hydro-carbon floated on water in the gas-holder. 2nd. A hydrogen gas purified by being passed through water contained in the gas-holder, and carburetted by being passed through hydro-carbon, containing the same gas-holder; 3rd. The process described for manufacturing an illuminating gas, by passing hydrogen gas through water and hydro-carbon in a gas-holder or tank.

No. 1998. PRESBURG WEST, Worcester, Mass., U. S., 22nd January, 1873, for 15 years: "Improvement on Boots." (Perfectionnement des bottes.)

*Claim.*—An improved article of manufacture, in a high-legged boot, the front and back parts of which are cut in the usual manner, having the side seams C, closed upon the outside, and extending from the boot sole (with or without welts) to the top of the boot-leg and covered throughout their entire lengths with outside braces D.

No. 1999. MILTON B. FRASER, Rome, N. Y., U. S., 22nd January, 1873, for 5 years: "A Cheese Hoop." (Un fromager.)

For pressing and moulding a cheese in a bandage, producing perfect shape and rind.

*Claim.*—1st. The bottom B, and follower F, of a cheese-hoop grooved and perforated as shown; 2nd. The combination of sections A and G, and rim E; 3rd. The combination with sections A and G, and rim E, of the bottom B, and follower F; 4th. The combination with sections A and G, and rim E, of the bottom B, and follower F, of the hoop D.

No. 2000. WILLIAM H. DANIELS, Bryan, Ohio, U. S., 22nd January, 1873, for 5 years: "Rifle for Sharpening Harvesting Cutters." (Fusil pour affiler les couteaux de moissonneuses.)

*Claim.*—A new article of manufacture, in the rifle for grinding the knives of harvester outer bars, its two grinding surfaces being obtuse angles of different degrees composed respectively of sides A, A, and sides of B and B.