

No. 24,189. Shaft Spring. (Resort de Limonière.)

John F. Schwartz, Alma, Mich., U.S., 1st June, 1886; 5 years.

Claim.—1st. The combination of the side shaft-springs C, C', each connected intermediate of its extremities with a cross-spring, and the cross-spring provided with means of engagement with the vehicle body, whereby it may be vertically adjusted therewith, said side springs adapted at their extremities to be secured to the vehicle shafts, substantially as described. 2nd. The side-springs C, C', each connected intermediate of its ends with a cross-spring, said cross-spring provided with oscillatory means of engagement with a vehicle body, whereby it may be vertically adjusted therewith, said side-springs adapted at their extremities to the vehicle shafts, substantially as described. 3rd. The side-springs C, C', each connected intermediate of its ends with a cross-spring, said cross-spring provided with an oscillatory adjusting bolt, whereby it may be engaged with the vehicle body, said side-springs adapted at their ends to be secured to the vehicle shafts, substantially as described. 4th. The combination, with a vehicle body, of shafts pivotally engaged with the forward end of the body, side springs C, C', engaged at their extremities with said shafts, each of said shaft-springs connected intermediate of its ends with a cross-spring, said cross-spring adjustable engaged with said body, substantially as described. 5th. The combination, with vehicle shafts, of a pivotal support for the forward end of the vehicle body, and springs C, C', engaged at their extremities with said shafts, each of said shaft-springs connected intermediate of its ends with a cross-spring, said cross-spring provided with means of engagement with the vehicle body, whereby it may be vertically adjusted in connection therewith, substantially as described. 6th. The combination, with vehicle shafts, of a support for the forward end of the vehicle body, having an adjustable and a pivotal connection with said shaft-springs C, C', secured at their ends to said shafts, each of said springs connected intermediate of their ends with a cross-spring, said cross-spring provided with mechanism whereby it may be adjustably connected with the vehicle body, substantially as described. 7th. The combination, with a vehicle body, of shafts pivotally connected with the forward end of the body, springs C, C', secured at their extremities with said shafts, each of said springs connected with the vehicle body and spring-reliefs engaged with said body adjacent to said cross-springs, substantially as and for the purposes described.

No. 24,190. Planing or Weatherboard Machine. (Machine à Raboter ou à Lambris.)

George Lhoté, New Orleans, La., U.S., 1st June, 1886; 5 years.

Claim.—1st. In a planing or weather-board machine, the combination of a central supporting-frame with feed-rolls on vertical axes supported in bearings on either side of, and attached to said central frame, substantially as shown and described. 2nd. In a planing or weather-board machine, the combination, with a supporting-frame, of two side cutter-heads on vertical axes and provided with platens, said heads and platens being supported in adjustable slides movable transversely to the line of feed, substantially as shown and described. 3rd. The combination, in a planing or weather board machine, of feed-rolls on vertical axes, a top head and an under head on horizontal shafts, and two side heads on vertical axes, the said parts being supported by the frame of the machine and back of the feed-rolls, with the side heads located on either side of the line of feed and between the top and bottom heads, whereby a board may be planed while standing on its edges on two sides and both its edges at one operation, substantially as shown and described. 4th. The combination, in a weather-board machine, of feed-rolls on vertical axis, a top head and an under head, two side heads on vertical axes, and a saw on a horizontal shaft, said heads and saw being supported by the frame of the machine back of the feed-rolls, whereby a board may be planed on two sides and both edges and split or divided into two parts at one operation, substantially as shown and described. 5th. In a weather-board machine, the combination, with side cutter heads on vertical axes, of a saw on a horizontal shaft, located at or near the end of the machine, behind the feed-rolls and the cutter-heads, said saw being driven separate from, and independent of the shaft which drives the cutters, substantially as shown and described. 6th. In a planing or weather-board machine, the combination, with the frame on which the side cutter-heads are supported on vertical axes, of a saw-table detachably fastened thereto, and having bearings for a saw on a horizontal shaft, said table and saw being located in the rear of said frame and back of the cutter-heads, substantially as shown and described. 7th. In a planing or weather-board machine, the combination, with a single middle frame A supporting the feed-rolls, and having an offset A', of a double frame E supporting the side heads and fastened to the feed-roll frame, substantially as shown and described. 8th. In a planing or weather-board machine, the combination, with a single middle frame A supporting the feed-rolls, and having an offset A', of a double-frame E supporting the side heads and fastened to the feed-roll frame, substantially as shown and described.

No. 24,191. Loop for Garments, etc.

(Gause pour Vêtements, etc.)

Thomas Lamb, and Joseph D. Morley, Philadelphia, Pa., U.S., 1st June, 1886; 5 years.

Claim.—1st. A loop formed with a stitch, whereby it is secured to a garment, fabric, or article to which it is applied, substantially as described. 2nd. A combined loop and stitch, substantially as and for the purpose set forth. 3rd. A loop and stitch formed by continuous operation, substantially as described.

No. 24,192. Account Book or Holder.

(Livre ou Serre-Facture.)

Abram D. Wilt, Dayton, Ohio, U.S., 1st June, 1886; 5 years.

Claim.—The account book or holder, consisting of a cover inclosing

a series of leaves and a series of envelopes detachably secured to said leaves, said envelopes having thereon a series of lines forming columns for the entry of an account, and adapted to receive a name and address, substantially as described.

No. 24,193. Dumper Regulator.

(Régulateur de Régistre.)

Charles A. McDonald, Portland, Oregon, and Charles W. Townsend, Newburgh, N.Y., U.S., 1st June, 1886; 5 years.

Claim.—1st. In dumper and other valve regulators for steam boilers and other purposes, the combination, with the valve case G, the regulator cylinder E, its piston F and connection A, of the pressure valve H, the centering spindle M, the spring O, the follower S and the hollow adjusting screw L, substantially as shown and described. 2nd. The piston F of the regulator cylinder, provided with an escape aperture through it, in combination with a drain pipe connected with said cylinder, on the reverse side or end, to the inlet opening through which the controlling gas or vapor is admitted to operate the piston, essentially as described.

No. 24,194. Key Ring. (Clavier de Clé.)

Theodoro W. Henry, Sanford, Fla., U.S., 1st June, 1886; 5 years.

Claim.—The key-ring, consisting of three out rings, two of which are flat and of the same diameter, and provided with projections on the inside, and the third ring or sheath inclosing the other two, as shown, and tightly binding them against accidental displacement, all substantially as described.

No. 24,195. Bustle. (Tournure.)

Kones F. Rice, Eureka Springs, Ark., U.S., 1st June, 1886; 5 years.

Claim.—1st. As an improved article of manufacture, a bustle, comprising a series of graduated flexible rings, of rubber, or like material, the curved rods D, Di passing through the body of the rings and connected at their ends beyond the end rings of the bustle, a waist band E passed through the connected ends of the rods and one or more of the bustle rings, and a flexible strap C secured to the rear ends of the rings and the waist band C, substantially as described. 2nd. As an improved article of manufacture, a bustle, comprising a series of graduated flexible rings of rubber, or like material, the curved rods D, Di passed through the body of the rings at the front sides of said rings, said rods being connected at their ends, the waist band C passed through the connected ends of the rods, and one or more of the bustle rings, a flexible band or strap C riveted at its ends to the waist band, and staples b, to secure the strap C and rings together at the rear ends of the latter, substantially as described.

No. 24,196. Hand Grenade Fire Extinguisher. (Grenade à Main Extincteur d'Incendie.)

Arthur Jones, Chicago, Ill., U.S., 1st June, 1886; 5 years.

Claim.—1st. The herein described hand grenade, consisting of a glass bottle or receptacle having one or more flat sides, and formed with a neck or shaft projecting outward from the flat side at a slight angle with the main body, and of the same form in cross section, substantially as and for the purpose set forth. 2nd. In a hand grenade, the bottle having an extension or neck formed with a circumferential groove, in combination with a securing-band b secured in said groove, the main bodies of the receptacles having one or more flat sides and formed with their necks or shafts projecting outward from the flat side at a slight angle with the main body, whereby the necks are held together compactly while the main bodies are slightly separated to facilitate breaking, substantially as shown and described.

No. 24,197. Dynamo-Electric Machine.

(Machine Dynamo-Electrique.)

Charles Batchelor, New York, N.Y., U.S., 1st June, 1886; 5 years.

Claim.—1st. In a commutator for a dynamo-electric machine, the combination of a cylindrical metal body having a continuous surface, an insulating wrapping for said body, and conducting bars placed thereon, substantially as set forth. 2nd. In a commutator for a dynamo-electric machine, the combination of a cylindrical metal body having a continuous surface, a wrapping for said body of paper impregnated with linseed or other drying oil, and conducting bars placed thereon, substantially as set forth. 3rd. In a commutator for a dynamo-electric machine, the combination of a cylindrical metal body having a continuous surface, an insulating wrapping for said body, and conducting bars placed thereon, each having an insulating wrapping upon its bottom and sides, substantially as set forth. 4th. In a commutator for a dynamo-electric machine, the combination of a cylindrical metal body having a continuous surface, a wrapping for said body of paper impregnated with linseed or other drying oil, and conducting bars placed thereon, each wrapped upon its bottom and sides with the same material, substantially as set forth. 5th. In a commutator for a dynamo-electric machine, the combination of the cylindrical metal body having a continuous surface and provided with a flange at one end and a nut or screw-ring at the other, the bars resting upon the surface of said cylinder, and the loose insulated metal rings between the ends of said bars and said flange and nut or ring, substantially as set forth. 6th. In a commutator for a dynamo-electric machine, the combination, with the cylindrical metal body having a continuous surface, of the bars resting upon the surface thereof, the tightening nut or screw-ring and the keyed ring between the nut and bars, substantially as set forth. 7th. In a dynamo-electric machine, the combination, with the commutator body and the bars thereon, of the insulation at the ends of said bars projecting above their surface, substantially as set forth.

No. 24,198. Lumber and Brick Drier.

(Sécherie à Bois et à Brique.)

William E. Colo, Montgomery, Ala., U.S., 1st June, 1886; 5 years.