No. 23,106. Washing Machine.

(Machine à Laver.)

Alexander Stuart, Jr., Hamilton, Ont., 7th January, 1886, 5 years.

Claim.—Ist. In a washing machine, the combination of a tub A. a vertical stationary shaft C, with its bearings, a revolving dasher F operated by gear wheels and a lever handle, substantially as specified. 2nd. In a washing machine the combination of the shafts C, bovel gear G attached to dasher F and gear wheel H attached to shaft I, and the collar bon shaft C, substantially as and for the purpose specified. 3rd. In a washing machine, the combination of the collar D, shaft C, brace B and nut E, shaft I, nut J, substantially as and for the purpose specified. for the purpose specified.

No. 23,107. Combined Last and Jack.

(Forme et Tire-Forme Combinés.)

Henry Stockman, Philadelphia, Pa., U. S., 7th January, 1886, 5

(Forme et Tire-Forme Combinés.)

Honry Stockman, Philadelphia, Pa., U. S., 7th January, 1886, 5 years.

Claim.—1st. A last holding jack having a base secured to a suitable support, a sub-base hinged directly or indirectly to said base, and means substantially as described, for holding said sub-base and different angles with relation to its base, as and for the purpose set forth. 2nd. In a last holding jack, and in combination, a base secured to a suitable support, a sub-base hinged directly or indirectly to said base, a holding bar, as base secured to a suitable support, a sub-base, and a locking bar, substantially, as described. 3rd. In a last holding jack, a base secured to a suitable support, a sub-base hinged directly or indirectly thereto, and a holding bar, in combination with a jack body having a plane of motion at right angles to the plane of motion at right angles to the plane of motion at right angles to the plane of holding fact, as a secrebed. 4th the plane of holding fact, as substantially as described, for securing it to the sub-base, as and for the purpose set forth. 5th, In a last holding jack, a base, a sub-base, a hinge connecting said base and sub-base, a holding bar can securing last endemined to the sub-base and a locking rod journalled in the base, in combination with the jack having and brodding the last, combined with a base having a pivot pin, which is received centrally in the base of the jack upon which said base may be revolved at will, so "stantially as described, fith. A last holding jack having standards for receiving and holding the last, combined with a base having a pivot pin, which is received centrally in the base of the jack upon which said base may be revolved at will, so "stantially as described, in any desired position, of a jack privated to such base and having standards to receive and hold the last, as set forth. Sth. The combination, with the base of holding the last, combined with a base having an analystable base, as beforth. In the combination, with the base, whereb

No. 23,108. Paper Folding Machine.

(Machine à Plier le Papier.)

Wellington Dowling, Erie, Pa., U.S., 7th January, 1886, 5 years.

Wellington Dowling, Eric, Pa., U.S., 7th January, 1886, 5 years.

Claim—1st. In a paper folding machine, the combination, substantially as set forth, of a stop for limiting the forward movement of an incoming sheet, and a stop for proventing the said sheet from rebouncing from the said front stop. 2nd. In a paper-folding machine, the combination, substantially as set forth, of an adjustable stop for limiting the forward movement of an incoming sheet, an adjustable stop for proventing the said sheet from rebounding from the said front stop, and adjustable side guides which control the position of the sheet relative to the folding rollers. 3rd. In a paper-folding machine, the combination, substantially as set forth, of an adjustable front stop, an adjustable back stop, and means, substantially as shown, for actuating both of said stops simultaneously 4th.

In a paper-folding machine, the combination, substantially as set forth, of an adjustable front stop, an adjustable back stop, adjustable side guides, and means, substantially as shown, for actuating all of said stops and guides simultaneously. 5th. In a paper folding machine the combination, substantially as set forth, of a fjustable front stops, adjustable side guides, and means, substantially as shown, for actuating said guides and stops simultaneously. 6th In a paper-folding machine, the combination, substantially as set forth, of the adjustable stops Fant (i. the rack toothed arms F; and G; the pinion lift, the crank arm I and the dial I. 7th. In a paper-folding machine, the combination, substantially as set forth, of the adjustable front stops F and F; the adjustable side guides E and E; and the pinions II and H;. 8th. In a paper-folding machine, the combination, substantially as set forth, of the adjustable front stops F and N. the adjustable side guides E, E, the rack toothed arms F; F; I; I; I; Ite pinions II and II; and II; and III; the orank arms I and II; the dials I and I with the equally spaced and numbered stops (i) the links I and E, the rack toothed arms F; F; E; E; the pinions II and E, the rack toothed arms F; Fi, E; E; the pinions II and II; the crank arm I and the indicating scales J and J, Ji and JI; the crank arm I and the indicating scales J and J, Ji and JI.

No. 23, 109. Convertible Skate.

(Patin Convertible.)

John Lapp, Honcoye Falls, N.Y., U.S., 7th January, 1886, 5 years.

John Lapp, Honeove Falls, N.Y., U.S., 7th January, 1886, 5 years. Clasm.—1st. The combination, in a convertible roller and eee skate, and with the front and rear roller frames U and elastic cushions E, arranged substantially as described, of the runners F.Q., constructed with connected opposite pairs of runner blades f.f., a., and prive troils f.e., a., adapted to the lugs of the roller frame C and connected by a spring J, substantially as beroin set forth. 2nd. The skate runners, constructed with front and rear runners F. Q. consisting of blades f.f., a., and and runners F. Q. being connected by a spring J, substantially as heroin set forth. 3rd. The skate runners, constructed with front and rear runners F, G. consisting of blades f.f., a., a. tied together by rods f.e., a., and having angular lower edges L, and the pivot pins f.e., a., and said runners F, Q. being connected by a spring J, substantially as heroin set forth. 4th. The combination, with the pivoted rear runner G, of a tie connected to the forward end of the runner, and passing over a rod or bar held to the skate foot-piece, substantially as herein set forth. 5th. The combination, with a bar, or rod, on the skate loot-piece, and the rear runner Q, of a tie of the foot-piece bar, and connecting with the forward end of the runner, substantially as set forth.

No. 23,110. Device for Feeding Clover Huliers and Thrashing Machines. (Appareit pour Alimenter les Machines à Egrener le Trèfle et à Battre.)

Merrick E. Perring, Berrien Springs, Mich., U.S., 7th January, 1886;

Merrick E. Perring, Berrien Springs, Mich., U.S., 7th January, 1886; 5 years.

* laim.—1st. The combination, with the revolving feed cylinder, of a series of risk teeth mounted eccentrically on a shaft, journalled in the ends of the cylinder, substantially as set forth. 2nd. The combination, with the revolving feed cylinder, of a set of feed teeth mounted eccentrically, a shaft journalled within the bearings of the feed cylinder and adapted to advance and recede through perforations of bars, a slot or slots in the cylinder casing us the cylinder revolves, substantially as set forth. 3rd. The combination, with the revolving feed cylinder jour illed on hollow trunnions, and a set of feed teeth mounted eccentrically on a shaft journalled within the hollow trunnions, of a regulator secured on one and of the shaft and adapted to lock the shaft in different rotary adjustments, substantially as set forth. 4th. The combination, with the revolving feed cylinder and the set of riske teeth, eccentrically mounted on a shaft journalled at the centers of the ends of the cylinder of a sector secured on the end of the shaft and means for recurring the sector in different rotary adjustments, substantially as set forth. 5th. The combination, with the revolving feed cylinder journalled on hollow trunnions, of a set of feed teeth lossely mounted on a crank shaft journalled within the hollow trunnions, and means for locking the crank shaft in different rotary adjustments, substantially as set forthe 6th. The combination, with a set of feed teeth adapted to advance through the feed cylinder casing at the feed side of the hopper, and to withdraw within the cylinder casing as they approach the threshing cylinder, of a regulator secured to the feed teeth shaft and adapted to determine the outward thrust of the feed teeth at their point of contact with the hay or grain, substantially as set forth.

No. 23,111. Skate Roller. (Roulette de Patin.)

Charles Dalton and Edward J. Dalton, Oshkosh, Wis., U.S., 7th Jan-uary, 1886; 5 years.

unry, 1886; 5 years.

Claim.—1st. In a wheel for roller skates, the combination, of a wearing-dise plates located on opposite sides of said dise, and an exterior), threaded bushing having an annular flange, or ring, at one end, adapted to engage one of the plates and having its threaded portion engaging the wearing-dise and opposite plate, as set forth. 2nd. In a wheel for roller skates, the combination of the wearing-dise comprising one or more dises of leather cemented together and having a turned or rounded bearing edge and a threaded bearing, a clamp plate D fitted against one face of the dise, a metallic bushing C having a flange or rim at one end adapted to claim the plate D, and an exteriorly-threaded portion engaging the dise aperture, and a clamp-plate E having a threaded collar adapted to engage the threaded bushing all arranged and adapted to serve, as set forth.

No. 23,112. Stone-Cutter's Chisel.

(Ciseau de Tailleur de Pierre.)

Thomas Woods, Nicholasville, Ky., U.S., 7th January, 1886; 5 years.