## NOTICE.

All solicitors, agents or attorneys who, in circulars or advertisements, or otherwise, refer to the Commissioner or Deputy Commissioner of Patents, or to any other official of the Patent Office, for evidence of their professional standing, do so without authority.

INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 58,227. Sewing Machine Feeding Mechanism.

(*Mécanisme d'alimentation pour machines à coudre.*)

58227
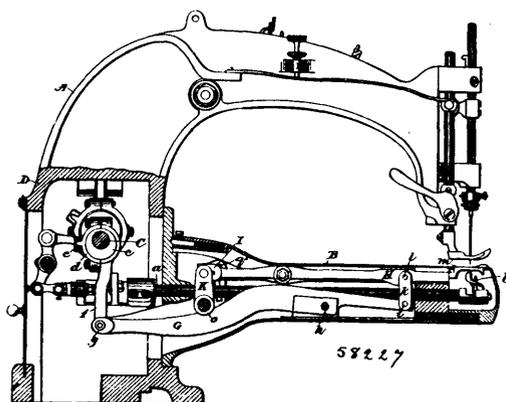
The Union Special Sewing Machine Co., Chicago, assignee of Lorenz Muther, Oak Park, Russell Green Woodward, Waukegan, and Elias C. Holland, Austin, all in Illinois, U.S.A., 1st December, 1897; 6 years. (Filed 27th October, 1897.)

Claim.—1st. A feeding mechanism comprising a vertically oscillating bar, a feed dog carrying bar with a link connection between the two, a rocking yoke, the end of said feed dog carrying bar having a sliding pivot connection between the arms of the yoke and an adjustable connection between the yoke and the feed dog carrying bar, substantially as described. 2nd. A feeding mechanism for sewing machines and the like, comprising the pivoted bar with means for oscillating it, the links pivoted thereto, the feed dog carrying bar pivoted to the opposite end of said links and having a slotted inner end, a rocking crank provided with a guiding pin fitting in the slot in the end of the feed dog carrying bar, and connections between the rocking crank and the feed dog carrying bar for giving the forward and backward movement thereto, substantially as described. 3rd. A feeding mechanism comprising a driving shaft, the pivoted bar and the rocking crank with connections between the two and said driving shaft, the feed dog carrying bar having pivotal connections at its forward end with the pivoted bar, and at the rear end with the rocking crank, and an independent adjustable connection between the rocking crank and the feed dog carrying bar, substantially as described. 4th. In a feeding mechanism and in combination, the rocking yoke having vertical arms, the pivot pin between the two, the feed dog carrying bar having a sliding movement in the direction of its length on said pivot pin with a connection between the rocking yoke and the feed dog carrying bar for giving a forward and backward movement to the latter, and independent means for oscillating said feed dog carrying bar to give the upward and downward movements thereto, substantially as described. 5th. The herein described feeding mechanism for sewing machines and the like, comprising the pivoted bar G, the feed dog carrying bar, the link connection between the two at the forward end, the rocking yoke, the flat pin between the arms of said yoke, the feed dog carrying bar having a slotted head engaging said flat pin, and a separate adjustable connection between the rocking yoke and the feed dog carrying bar, substantially as described. 6th. In a feeding mechanism, the feed dog carrying bar, the rocking yoke having vertical arms, the end of said feed dog carrying bar having a sliding pivot connection with the vertical arms, one of said arms being provided with a curved slot, a bolt fitting therein, an arm P pivoted at one end on said bolt and at the other end to the feed dog carrying bar, and means for raising and lowering said feed dog carrying bar, substantially as described. 7th. In combination with the bed plate, the pivoted bar extending longitudinally thereof, with means for operating the same, the feed dog carrying bar arranged above the same and having pivotal connection with the forward end thereof, the rocking yoke pivotally secured to the rear end of said feed dog carrying bar, and an independent connection between the rocking yoke and the feed dog carrying bar for giving the forward and backward movement thereto, substantially as described. 8th. A sewing machine comprising a main shaft, a cylindrical casing extending in a direction at right angles to the main shaft, a pivoted bar extending lengthwise of and within the casing with connections between its rear end and the main shaft, a feed dog carrying bar also extending lengthwise of the casing and arranged in a plane above the plane of the pivoted bar, a rocking crank pivoted in said casing and connected to the feed dog carrying bar at the rear end thereof, said feed dog carrying bar having pivotal connection with the pivoted bar at its forward end, and connections between said rocking crank and the main shaft for reciprocating said feed dog carrying bar back and forth lengthwise of the casing, substantially as described.

No. 58,228. Pulverizing Apparatus.

(*Appareil pulverisateur.*)

William A. Köneman and William Henry Hartley, both of 23 Moorfields, London, England, 1st December, 1897; 6 years. (Filed 2nd November, 1897.)

Claim.—1st. In a pulverizing or similar apparatus having conical grinding-rolls, the combination in a foundation frame of a central member A², radial arms A¹, and connections A³, substantially as described. 2nd. A pulverizing or similar apparatus in which standards carrying the grinding rolls are hinged to the main foundation frame. 3rd. In the framing of a pulverizing or similar apparatus having conical grinding rolls, a removable section such as C⁷, substantially as and for the purpose described. 4th. In a pulverizing or similar apparatus, tangential strengthening ribs to support the grinding-surface of the grinding table, substantially as described. 5th. In a pulverizing or similar apparatus, the combination with a table such as F, of the ribs such as F², substantially as and for the purpose described. 6th. In a pulverizing or similar apparatus having conical grinding-rolls, the combination of a grinding table having a coned surface underneath and coned supporting rollers N, one disposed

12—1