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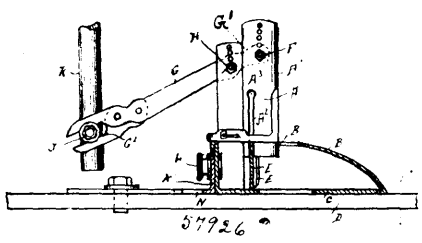
INVENTIONS PATENTED.

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. 57,926. Sewing Machine. (*Machine à coudre.*)



Francis M. Batchelor, Portland, Oregon, U.S.A., 2nd November, 1897; 6 years. (Filed 28th July, 1897.)

Claim.—1st. In a ripping device, a slotted rest extending horizontally on each side of a vertically reciprocating knife, said rest being adapted to support the material and the operator's hands, and having the slots in the rest extending from front to rear, to allow the knife to reciprocate therethrough without exposing the lower end above the surface of the rest. 2nd. In a ripping device provided with a reciprocating knife and stationary guards engaging said knife, substantially as described. 3rd. In a ripping device provided with a reciprocating knife and stationary guards engaging said knife, the guards being adjustable with relation to the edge of the knife. 4th. In a ripping device provided with a reciprocating knife having a vertical series of holes in its upper part, whereby it may be differentially adjusted, substantially as described. 5th. A ripping device provided with a post fixed to a base plate and having a vertical series of independent holes in its upper part, and an oscillating lever having one end connected with the knife, and the other with a vertically reciprocating needle-bar, the lever fulcrum pin vertically adjustable in the holes in the post, as described. 6th. A sewing machine ripping attachment provided with a reciprocating knife and an operating lever therefor one end of the lever being forked or slotted, and having one of its forked members or jaws adjustable relatively to the other by means of slots and set screws, substantially as described. 7th. A knife having a straight cutting edge, and a slot spaced therefrom and parallel to the cutting edge, the slot extending from the bottom edge of the knife and terminating at its upper end in a widened aperture, substantially as described. 8th. A knife having a straight cutting edge and a slot located immediately in the rear of said edge, the slot extending from the bottom edge of the knife upwardly and parallel with the cutting edge, substantially as described. 9th. A ripping attachment for sewing machines comprising a reciprocating knife provided with a slot parallel to the direction of its reciprocating motion, a stationary guide adapted to be secured to the sewing machine and extending transversely through the knife at the slot thereof, and means for imparting a reciprocating motion to the knife, substantially as described. 10th. A ripping attachment for sewing machines comprising a reciprocating knife, provided with a slot parallel to the direction of its reciprocating motion, a stationary guide adapted to be secured to the sewing machine and extending transversely through the knife at the slot thereof and provided with flanges at each side or face, and means for imparting a reciprocating motion to the knife, substantially as described. 11th. In a sewing machine ripping attachment, consisting in the combination of the reciprocating needle-bar, the vertically reciprocating ripping-knife, an actuating lever engaging the needle-bar and the knife and a stationary support for the lever, said support being adjustable longitudinally and transversely on the frame of the machine, as and for the purpose set forth. 12th. A ripping attachment for sewing machines consisting in the combination, with a reciprocating knife fitted to slide in a table secured to the table of the sewing machine, of a lever pivotally connected with the said knife and adapted to receive an oscillating motion from a moving part of the sewing machine, and a vertically adjustable post carrying the pivot for the said lever, substantially as shown and described. 13th. In a sewing machine ripping attachment, consisting in the combination of the reciprocating needle-bar, the vertically reciprocating ripping-knife, an actuating lever engaging the needle-bar and the knife, a stationary support for the lever, the support being adjustable upon the frame of the machine in the direction of the lever's length and also in a direction parallel to the lever's pivot, substantially as described. 14th. In a sewing machine ripping attachment, consisting in the combination of the reciprocating needle-bar, the vertically reciprocating ripping-knife, an actuating lever engaging the needle-bar and the knife, a stationary support for the lever, a table carrying said support and adjustable upon the frame of the machine in a direction parallel to the lever's pivot, and a plate carrying said table and adjustable therewith in the direction of the lever's length, substantially as described. 15th. In a ripping attachment for sewing machines, a vertically reciprocating knife having a series of vertically disposed independent holes in the upper end, a fulcrum post with similar holes, a lever with a fulcrum pin adjustable to either of the holes in the post and having a pin connection with either of the holes in the knife, a slotted support for the material and the hands of the operator, through which the knife reciprocates, said support extending horizontally upon each side of the knife, and vertical guards having their front edges converging upon each side of the knife, said guards being adjustable forward and back with relation to the edge of the knife.

No. 57,927. Glassware. (*Verrerie.*)

William Butler, Redkey, Indiana, U.S.A., 2nd November, 1897; 6 years. (Filed 6th September, 1897.)

Claim.—1st. A glass mould for forming compound blanks, consisting of two longitudinally divided halves hinged together at one end thereof and swinging substantially in a vertical plane, each half being divided transversely and the two parts removably secured together so as to swing as a unit. 2nd. A glass mould for forming compound blanks, consisting of two longitudinally divided halves hinged together at one end and swinging in a substantially vertical plane, each half being divided transversely and the two parts removably secured together, said mould having a paste lining. 3rd. A mould for blowing hollow glass articles having bottoms, said mould having at the bottom end of the matrix cavity proper a small peripheral groove opening into the matrix cavity proper and arranged to square up the bottom end of the article. 4th. A mould