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CHARLES E. MORRELL.

Machine for Slitting Shoe Binding.

No. 122,958.

Patented Jan. 23, 1872.

Fig. 1

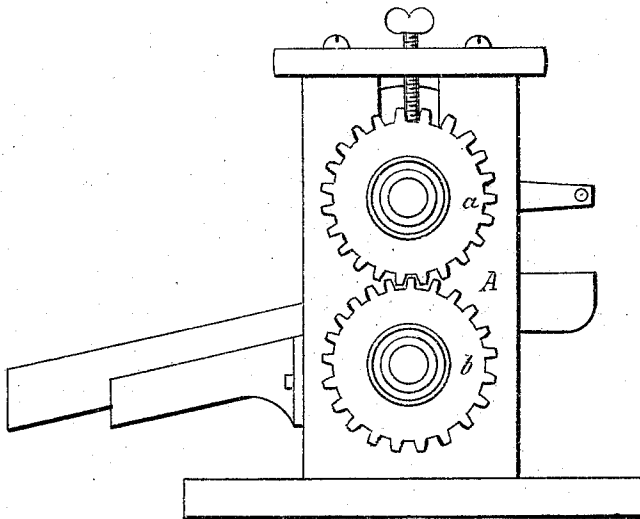


Fig. 2

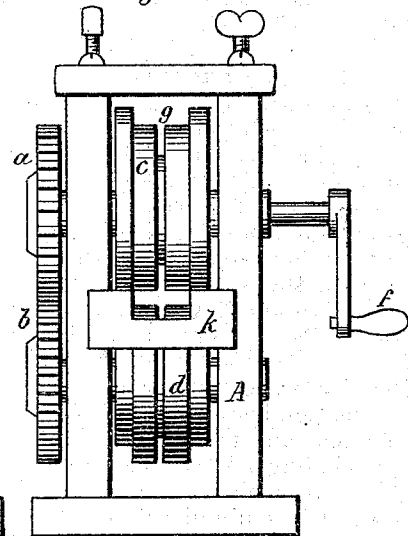


Fig. 3

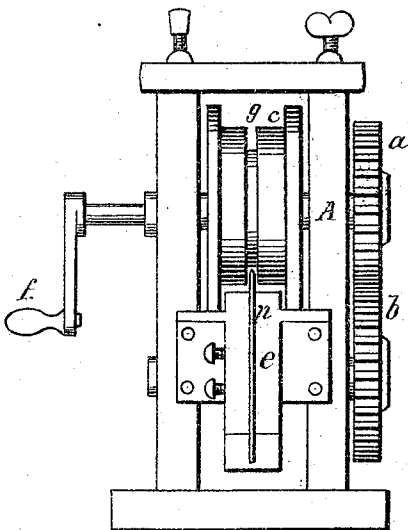
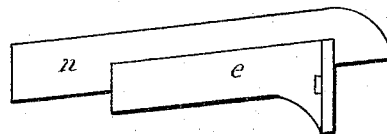


Fig. 4



Witnesses

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CHARLES E. MORRILL, OF DEERING, MAINE.

IMPROVEMENT IN MACHINES FOR SLITTING SHOE-BINDINGS.

Specification forming part of Letters Patent No. 122,958, dated January 23, 1872.

To all whom it may concern:

Be it known that I, CHARLES E. MORRILL, of Deering, in the county of Cumberland and State of Maine, have invented a new and useful Slitter for Making Shoe-Bindings; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a side elevation; Fig. 2, rear-end elevation; Fig. 3, front end elevation; Fig. 4, side view of the slitter.

Same letters show like parts.

My invention has for its object the production of a machine for slitting strips of leather for shoe-bindings, which in my process has been made from the whole skin, in the form of a wide strip, cut and colored in the center at the same operation, before being submitted to this machine. This invention cuts into two strips, of the same width, a continuous wide strip, (formed of shorter ones cemented together,) by cutting through the center of the black band or stripe made in the center of said board or wide strip.

My machine consists of a frame, A, carrying two gears, *a b*, two feed-rolls, *c d*, and a cutter, *e*. The feed-roll *c* is grooved, so that it fits into

the groove. (See Fig. 3.) Both revolve, and, by means of the shaft *e*, the two gears *a b*, and crank *f*, the cutter *e* is in an inclined position, and the iron enters slightly into a slit, *g*, in the feed-roll *c*. The strip of binding or leather intended for the same is introduced in Fig. 2 at *k*. It is carried between the rolls by friction, and against the knife or cutter *e* and its metal blade. The strip of leather fits up into the groove of the feed-roll *c*, (see Figure,) and is kept there by the feed-roll *d*, fitting also into said groove, thus kept firm and confined in its cut by the metal of the cutter *e*. *n* shows the metal part of *c*, and, coming through the machine on the front side, (Fig. 3,) drops or runs out on both sides of *e*, divided into two strips of binding.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the feed-rolls *c d*, gears *a b*, cutter *n*, and part A, and crank *f*, to form a machine for slitting shoe-bindings, as herein set forth.

CHAS. E. MORRILL.

Witnesses:

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