L. H. URNER.

MACHINE FOR STAMPING LEATHER GOODS.

No. 189,155. Patented April 3, 1877.

Fig: 1.

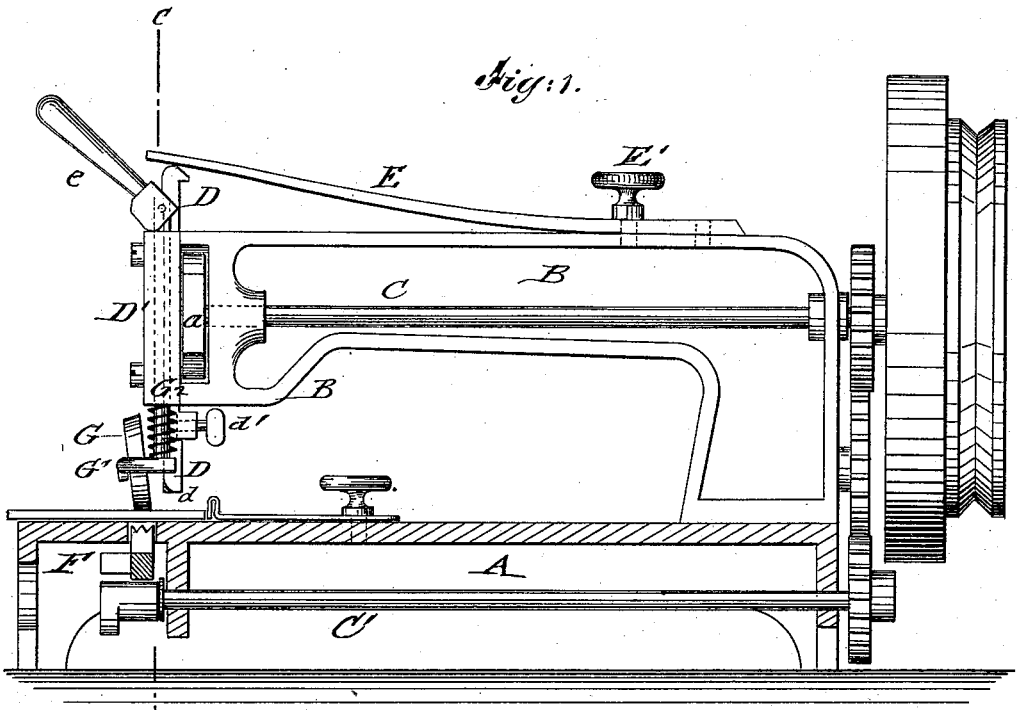


Fig: 3.

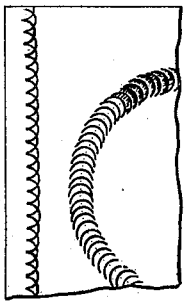


Fig: h.

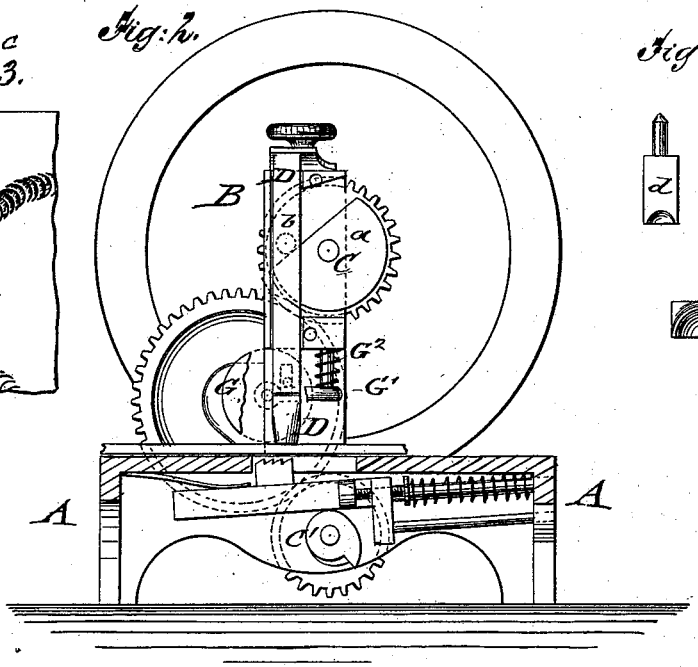
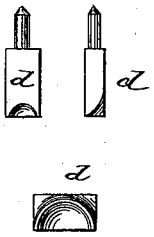


Fig: 4



WITNESSES:

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LEWIS H. URNER, OF NEVADA, MISSOURI.

IMPROVEMENT IN MACHINES FOR STAMPING LEATHER GOODS.

Specification forming part of Letters Patent No. **189,155**, dated April 3, 1877; application filed February 22, 1877.

To all whom it may concern:

Be it known that I, LEWIS H. URNER, of Nevada, in the county of Vernon and State of Missouri, have invented a new and Improved Machine for Stamping Leather Goods, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation of my improved machine for stamping leather; Fig. 2, an end elevation of the same, partly in section, on line *c c* of Fig. 1. Fig. 3 is a detail top view of a piece of leather marked by the machine; and Fig. 4 are detail side and bottom views of the bits used for stamping.

Similar letters of reference indicate corresponding parts.

My invention relates to an improved machine for stamping ornamental designs on the leather-work of hide-tree saddles or other goods; and it consists in the arrangement of a spring-acted reciprocating stamping rod and bit, which marks by repeated blows the leather while the same is fed by a vibrating feed, and held firmly in position by a rotary pressure-wheel.

In the drawing, A represents a table or frame, with strong curved arm or standard B, arranged for the purpose of supporting the operating parts in a manner similar to the same parts in sewing-machines.

The operating parts are set in motion by treadle, belt, and driving-wheel, or otherwise, in the usual manner, an upper revolving shaft, C, working the stamping-rods, while the lower shaft C′ operates the vibrating feed, both shafts being rotated by suitable gearing in connection with the driving-wheel. The stamp-rod D slides in the outer socket-end or guide-casing D′ of arm B, and is acted upon at the upper projecting end by a band-spring, E, of considerable power, the tension of which may be adjusted, as required, by a clamp-screw, E′. The stamp-rod D is raised by means of a cam, *a*, of the upper rotating shaft, acting on a pin or friction-roller, *b*, of rod D, being suddenly released by the cam and forced down by the spring with considerable force after having reached the highest point.

Different stamping-bits *d*, Fig. 4, may be set, by means of clamping-screw *d′*, into the socket-shaped lower end of the stamp-rod D, so that marks of different shape and size may be struck into the leather. The leather is fed by the vibrating feed mechanism F to the lower table A, and retained firmly on the table and feed by a spring-acted pressure-wheel, G, turning on the curved arm G^1 at the lower end of the sliding pressure-rod G^2, that is guided in the socket of main standard B, and raised or lowered by means of an eccentric lever, *e*, pivoted to the upper end.

The leather may be guided by suitable devices for being exposed to the action of the stamping-bit, so that various ornamental designs and embellishments may be stamped therein, the feeding device securing an even distance between the marks, and producing thereby an elegant and highly-improved appearance of the goods by a quick and readily-applied mechanism.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In a machine for stamping leather or leather goods with ornamental designs, the combination of a reciprocating striking-rod, carrying a bit or die, a spring acting on said rod to give the blows, a rotary spring-presser, G, to act on the material to be ornamented, and a vibrating feed mechanism therefor, substantially as shown and described.

LEWIS H. URNER.

Witnesses:

F. P. ANDERSON,

GEO. H. MOBLEY.