

E. SHAW.

LAP SEAM GAGES FOR SEWING-MACHINES.

No. 178,679.

Patented June 13, 1876.

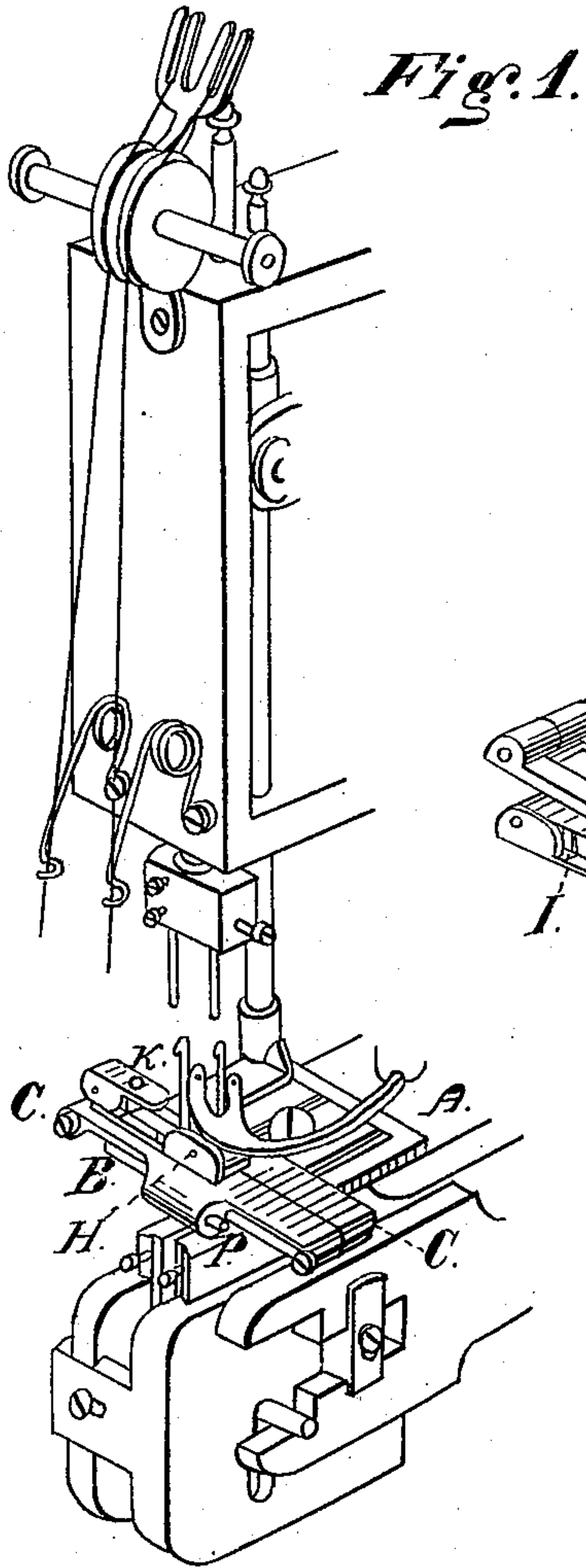


Fig. 1.

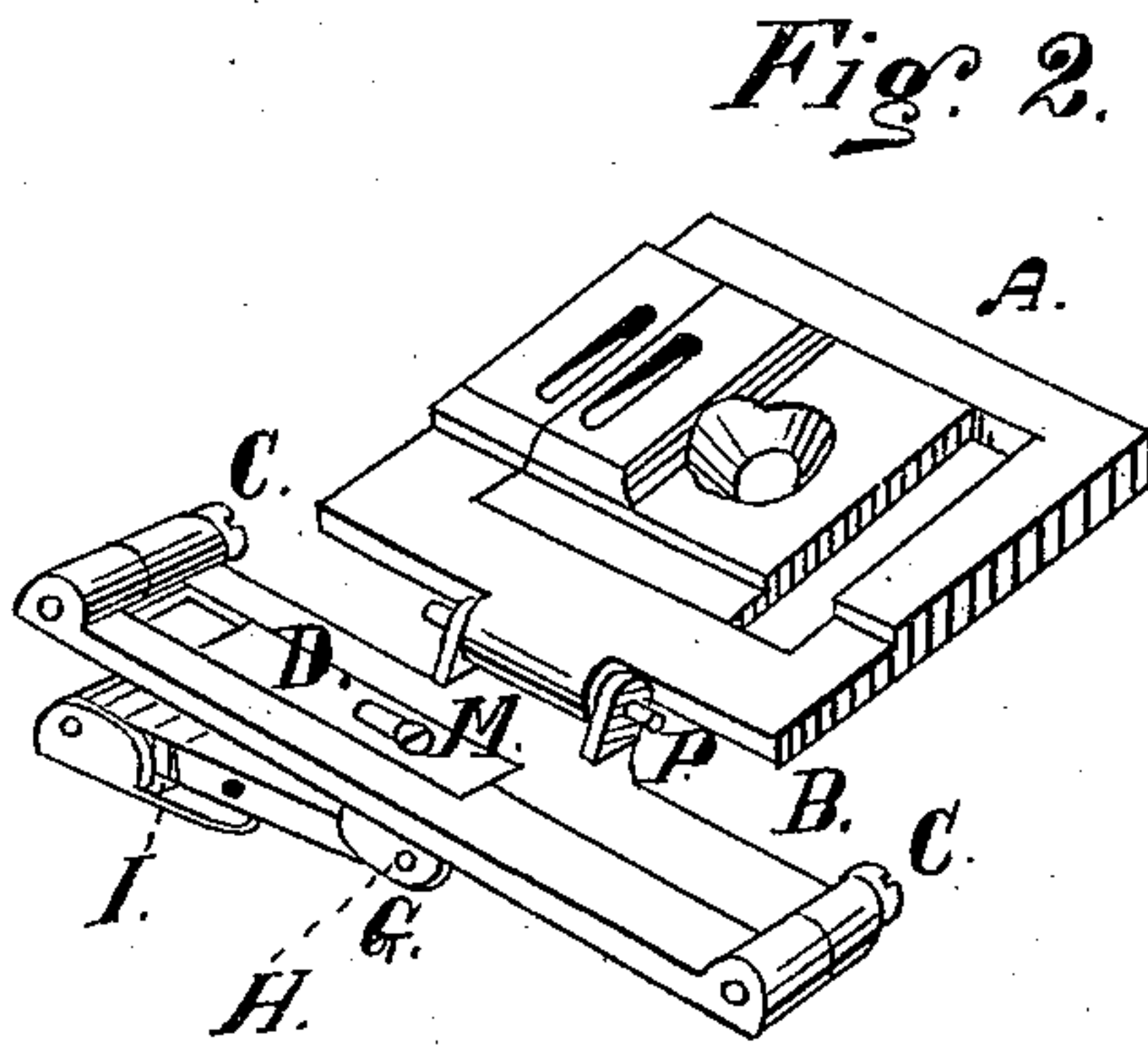


Fig. 2.

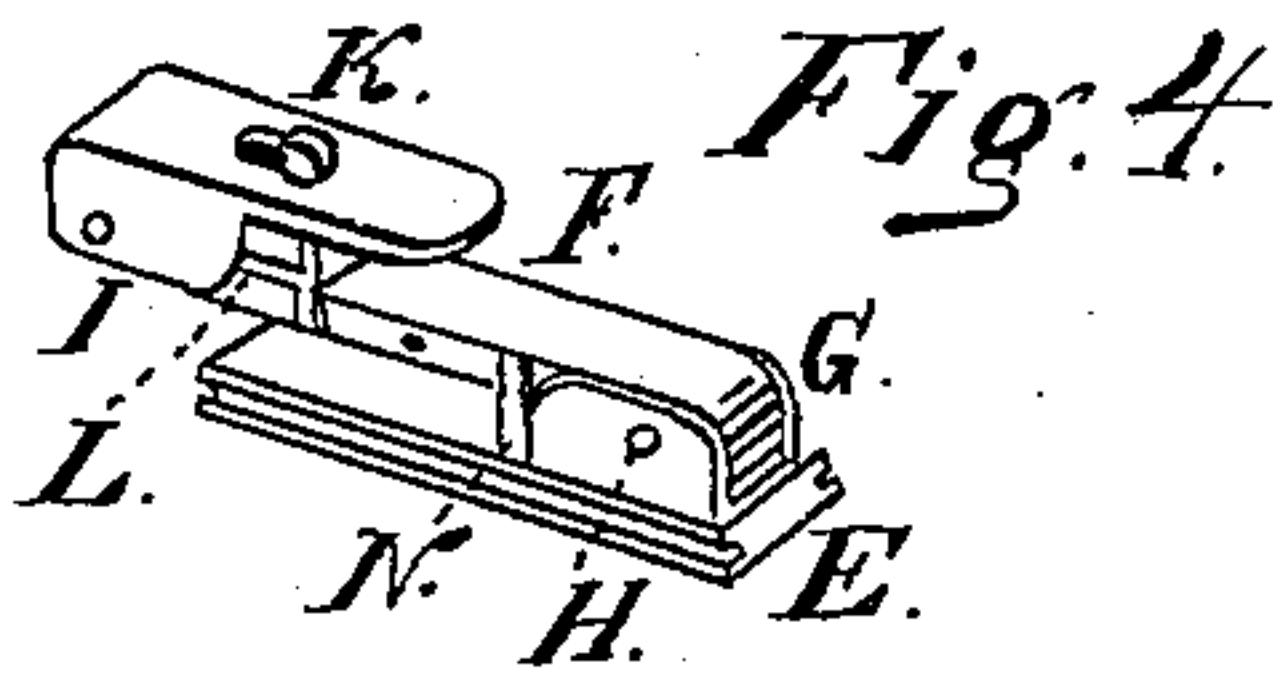


Fig. 4.

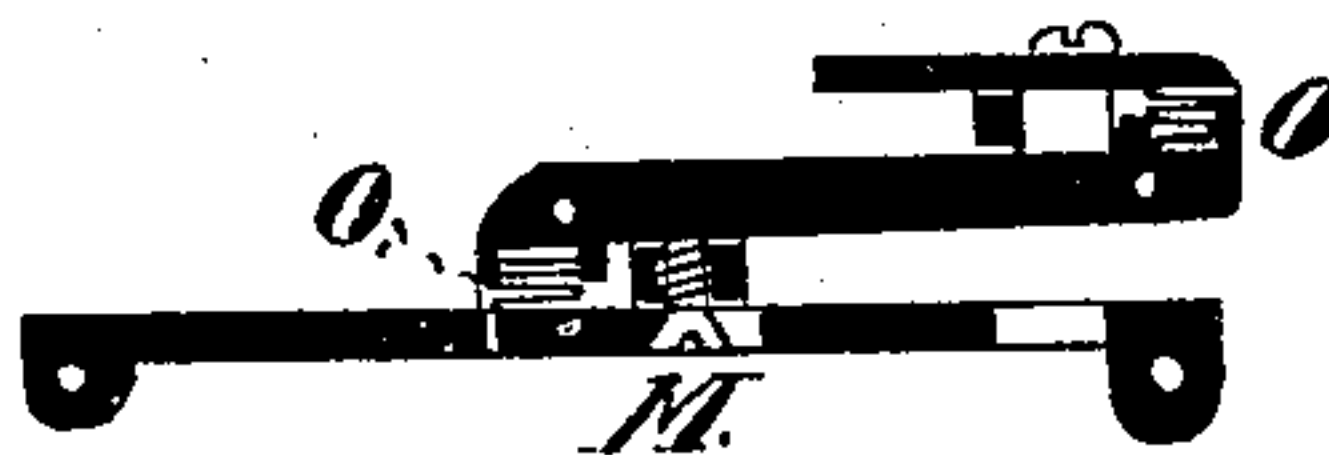


Fig: 3.

WITNESSES.

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ELIJAH SHAW, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN LAP-SEAM GAGES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **178,679**, dated June 13, 1876; application filed March 21, 1876.

To all whom it may concern:

Be it known that I, ELIJAH SHAW, of Milwaukee, in the county of Milwaukee, in the State of Wisconsin, have invented certain Improvements in Lap-Seam Gages for Sewing-Machines, of which the following is a specification:

The object of my invention is to guide leather or other material so as to sew a lap-seam; and it consists in the combination of devices to form a gage for that purpose, as will be more fully set forth in the following specification.

Figure 1 is a view of the gage and the front part of a sewing-machine; Fig. 2, a view of the gage hinged to the needle-plate and turned down; Fig. 3, a sectional view of the gage, showing the springs; and Fig. 4, a perspective view of the gage.

A is the needle-plate, to which the gage-holder B is hinged; B, the gage-holder, made of two pieces of metal, and held together by screws C C; D, the dovetail slot, to hold the gage in the center between the two pieces of metal B, comprising the gage-holder; E, the dovetailed lower portion or base of the lap-seam gage, which sets in the dovetail slot D; F, the center piece of the gage; G, lips on dovetail piece E; H, pin passing through lips G and center piece E, forming a hinge for the center piece of the gage; I, lips on upper piece, pivoted to center piece F, to form the upper guideway and hinge of upper piece; K, a screw passing through a slot in the upper piece into shoulder L, for the purpose of adjusting the upper guideway wider or narrower;

M, a screw passing through slot in dovetail piece E into shoulder N, for the purpose of adjusting the lower guideway; O O, springs for giving elasticity in the gage to ease it over uneven surfaces; P, hinge by which the gage-holder is attached to the needle-plate, or post, or arm. The gage is hinged to the throat-plate, or other part of the machine, so that it may be turned down, when desired, for removing the work or for inspection.

To sew left-hand seams the gage is removed from its holder and its position reversed. The different parts of the gage are separated by springs, which allow the parts to accommodate their position to varied thicknesses of material. The amount of lap in the seam is regulated by adjusting the shoulders L and N nearer to or farther from each other.

I claim as my invention—

1. In combination with the throat-plate of a wax-thread sewing-machine, the hinged gage-holder B and the lap-seam gage, substantially as shown and described.

2. The combination of the center piece F, the lips G and I, and their interposed pivots and springs, substantially as shown and described.

3. The combination of the center piece F, the lip I, and the base E with the adjustable shoulders L and N, substantially as shown and described.

ELIJAH SHAW.

Witnesses:

A. SCHATTENBERG,
J. B. SMITH.