

C. F. GRONQUIST.
CARPET-RAG LOOPER.

No. 178,923.

Patented June 20, 1876.

Fig. 1

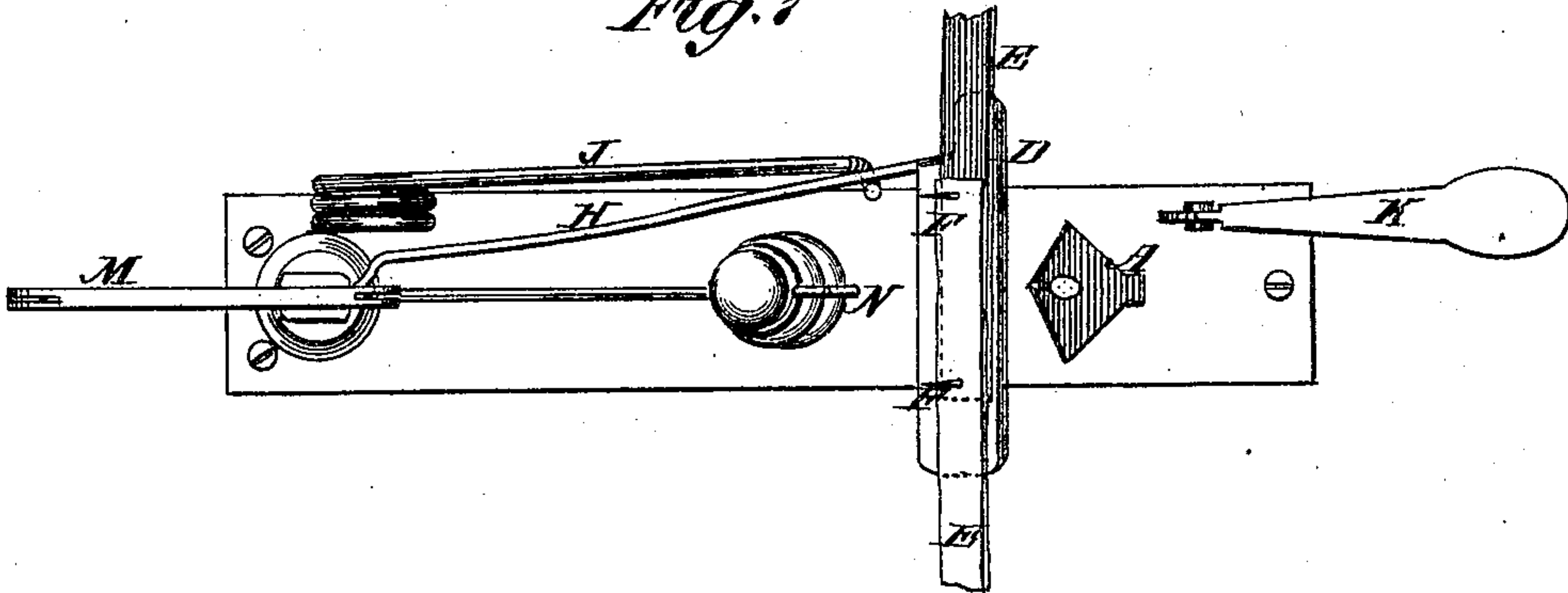


Fig. 2.

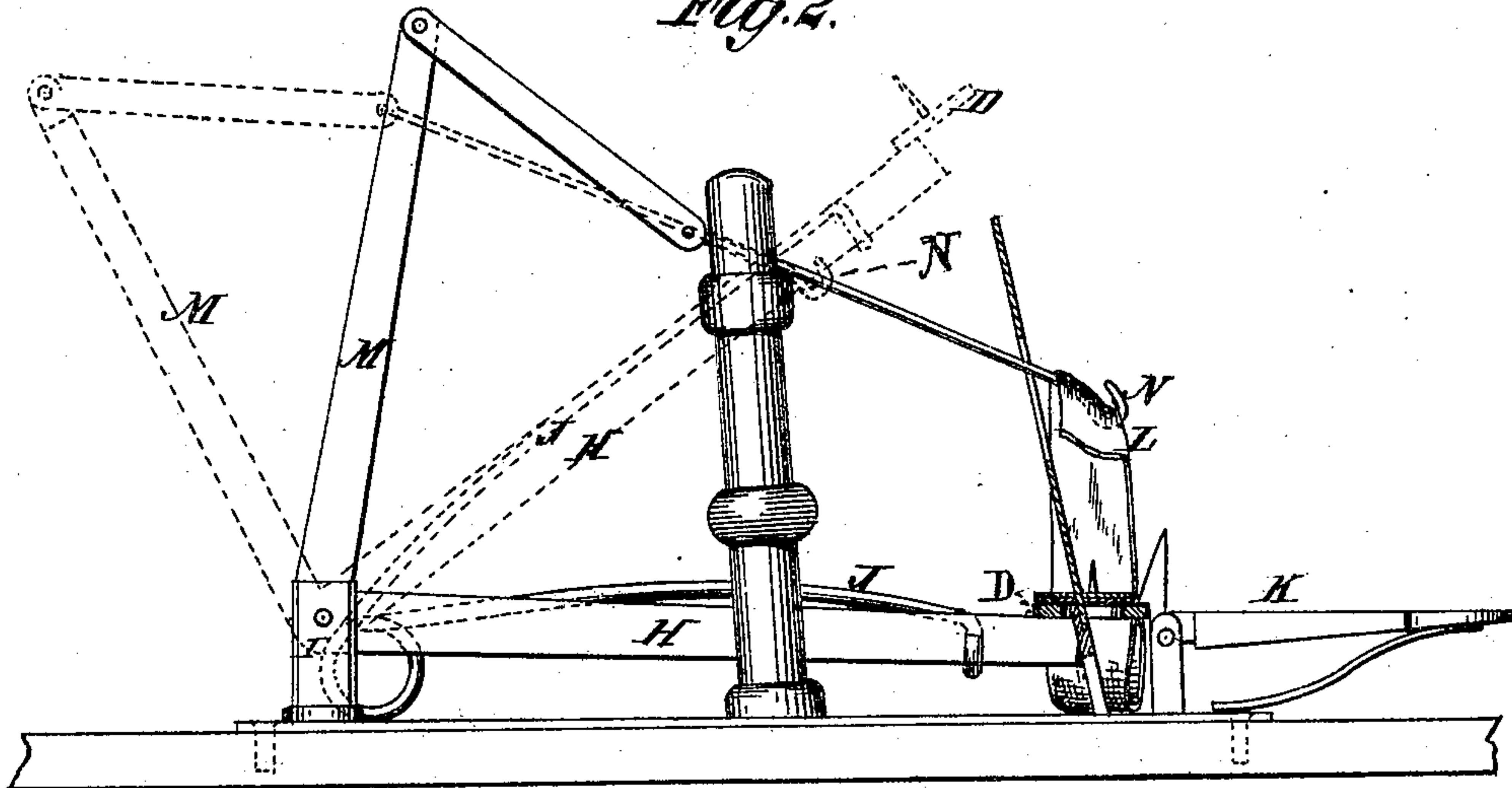
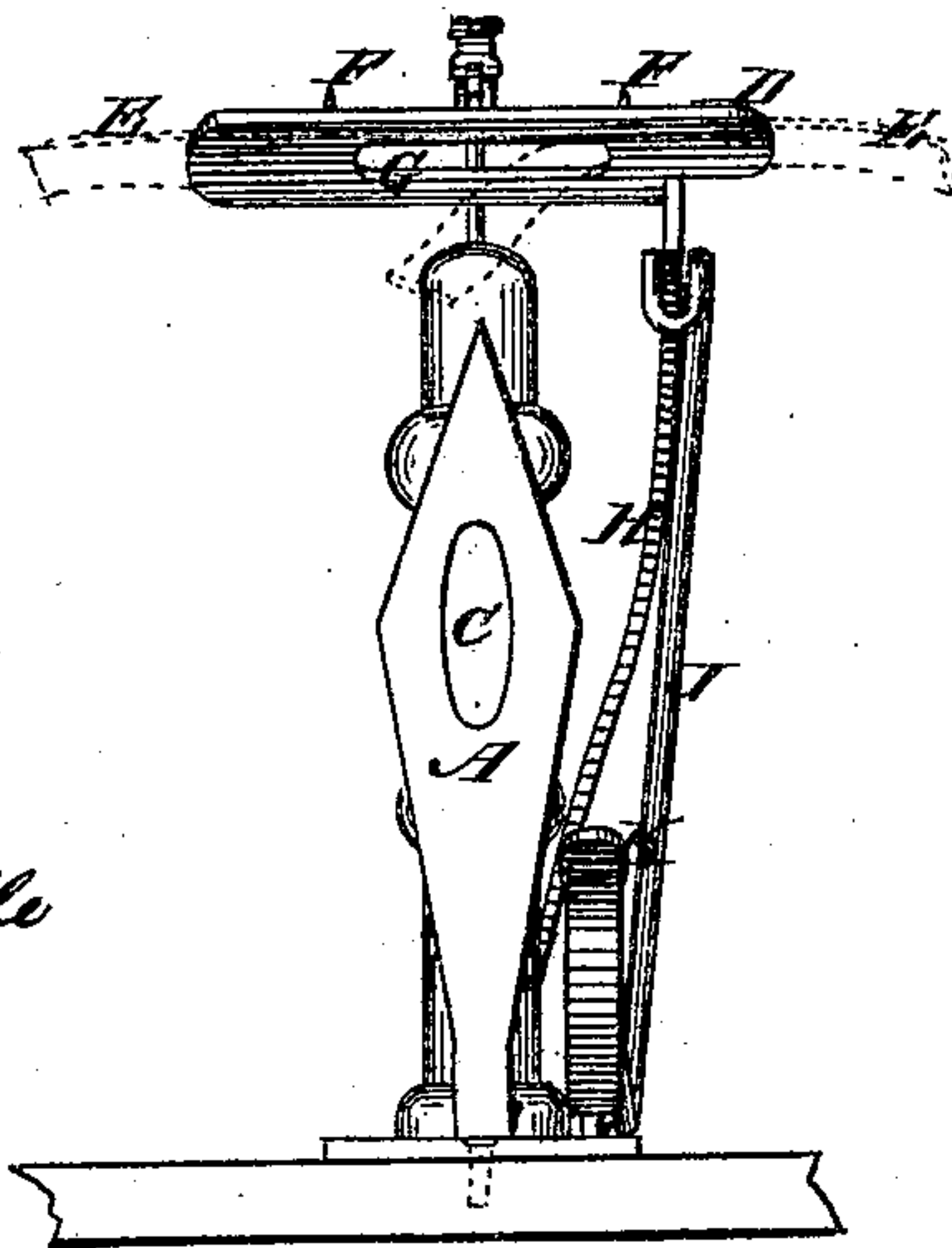


Fig. 3.



WITNESSES:

Francis Mc Ardle
John Goethals

INVENTOR:

C. A. Gronquist

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES F. GRONQUIST, OF GENOA, ILLINOIS, ASSIGNOR TO HIMSELF
AND LEWIS GRAKOW, OF SAME PLACE.

IMPROVEMENT IN CARPET-RAG LOOPERS.

Specification forming part of Letters Patent No. **178,923**, dated June 20, 1876; application filed
April 4, 1876.

To all whom it may concern:

Be it known that I, CHARLES FREDERIK GRONQUIST, of Genoa, in the county of De Kalb and State of Illinois, have invented a new and Improved Carpet-Rag Looper, of which the following is a specification:

My invention is a contrivance of a knife for slitting the rags to be looped together, with a hole in it, through which a looping-hook is caused to project over the rags when pressed down on it, for making the slits, to pull the free end of the rag through the hole previous to the escape of the slitted ends from the knife, so that when the slits pass off they draw over the end of the rag passing through the cutter, forming a loop, which is tightened up by catching hold of the rag by the thumb and finger, and drawing it up taut in the slits.

Figure 1 is a plan view of my improved carpet-rag looper. Fig. 2 is a side elevation, and Fig. 3 is a front elevation.

Similar letters of reference indicate corresponding parts.

A is the slitting-knife, which consists of a stationary upright pointed blade, having a large opening, C, through it. D is a plate, on which lapped ends of two rags, E, to be looped together, are placed; it has points F, to keep the rags in position; also, a large

opening, G, to allow it to pass down over the knife, and it is mounted on an arm, H, pivoted at I, to allow the plate to swing up and down along the knife, and has a spring, J, to throw it up. K is a spring-catch to hold the plate down after the rags have been pressed down on and slitted by the knife, until the other end, L, of the right-hand rag is lifted up and arranged in the hook N, as shown in Fig. 2, the said hook being so connected to the elbow M of arm H that it is thrust forward through the cutter at the same time that the plate D, having the lapped rags on it, is pressed down. After the end L is adjusted, the spring-catch K is tripped, and the spring J throws the slitted rags up over end L, for drawing it through, by which the loop is tightened up and finished.

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

The combination of the looping-hook N, supporting-plate D, elbow-lever H M, spring J, and the stationary knife A, having the opening C, substantially as specified.

CHARLES FREDERIK GRONQUIST.

Witnesses:

DAVID S. LORD,
CHARLEY PERRY.