

(No Model.)

W. H. MARTIN.

MACHINERY FOR SEWING THE MOUTHS OF BAGS.

No. 256,233.

Patented Apr. 11, 1882.

Fig. 1

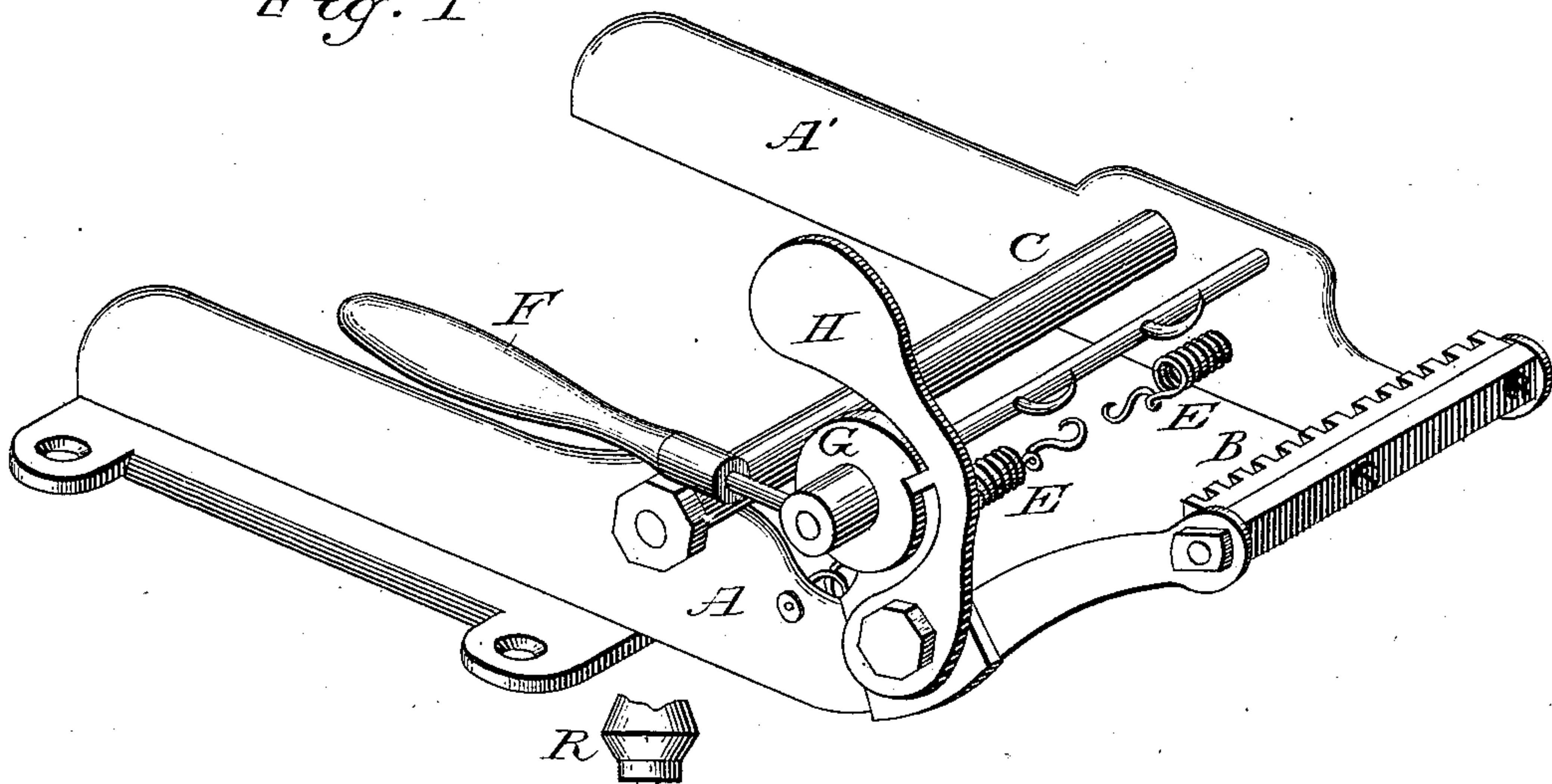
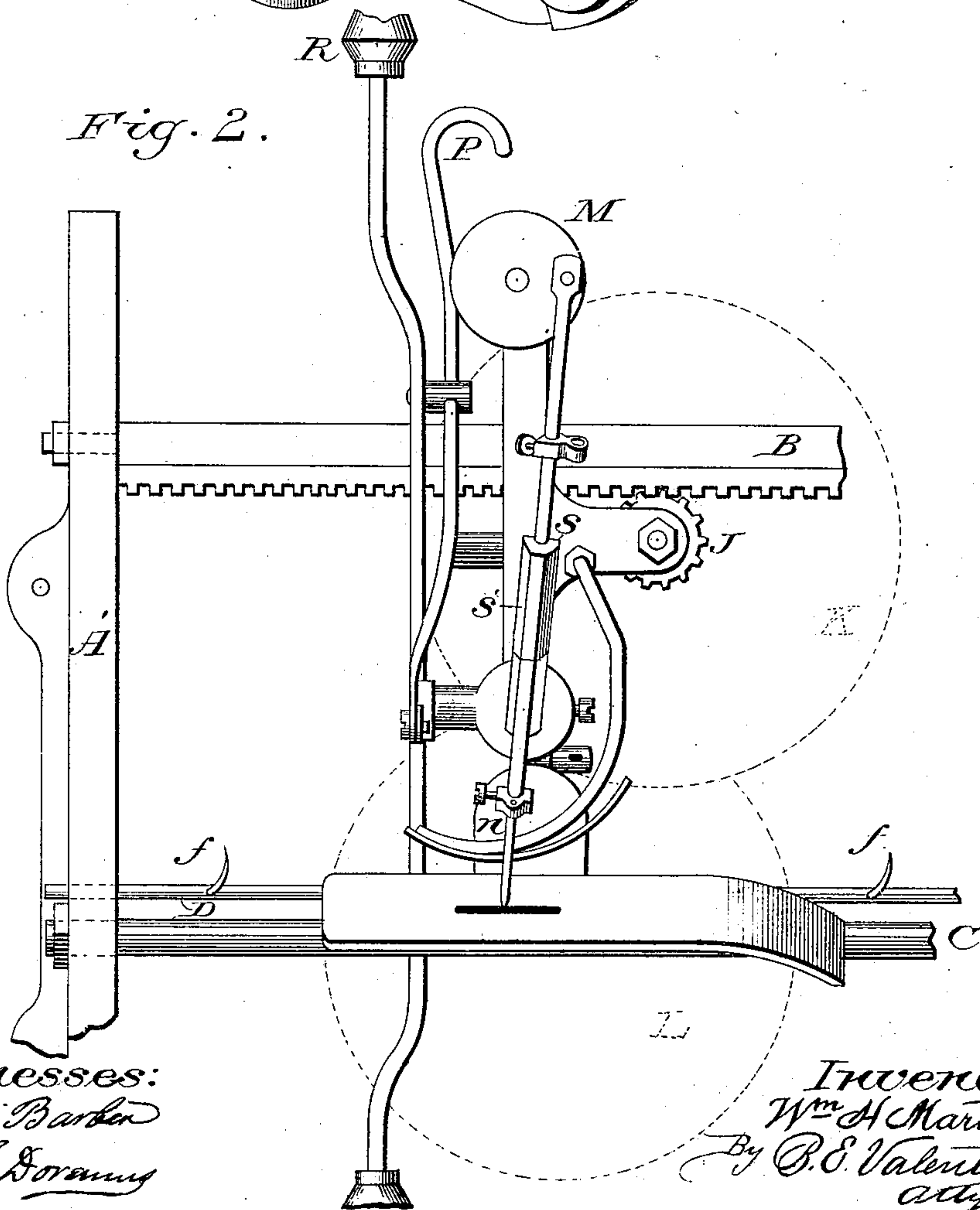


Fig. 2.



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WILLIAM H. MARTIN, OF BROOKLYN, NEW YORK.

MACHINERY FOR SEWING THE MOUTHS OF BAGS.

SPECIFICATION forming part of Letters Patent No. 256,233, dated April 11, 1882.

Application filed October 21, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. MARTIN, of the city of Brooklyn, county of Kings, and State of New York, have invented a new and useful Improvement in Machinery for Sewing the Mouths of Bags; and I do hereby declare that the following specification, taken in connection with the drawings annexed to and forming part of the same, furnishes a full and clear description thereof, sufficient to enable those skilled in the art to which it pertains to make and operate the same.

The object of my invention is to afford a quick and cheap means of holding during the process of sewing up by machinery the mouths of bags filled with grain or other materials, which have heretofore been usually sewed by hand.

In the drawings, Figure 1 shows the operative mechanism of the frame or support which holds the bag while the operation is performed. Fig. 2 shows the machinery by which the sewing is accomplished in its position on the frame shown in Fig. 1, being a top view.

A is one end of a frame, which I prefer to make of cast-iron. It is adapted to be firmly screwed to a beam or other place of support. C and B are braces, which are fastened to it at right angles to A, and which terminate in a similar piece to A at their other ends, so as to inclose a space sufficient to contain the ordinary width of the bags to be sewed. At each end of the holding-frame is placed a spring, E, terminating in a hook, the purpose of which is to catch the bag at each side of its mouth and stretch the same so as to close the lips together.

D is a rod which runs between the two sides of the frame A, and which is provided with a handle, F, at one end, by which it may be rotated. A cam, G, is firmly fixed at one extremity of this rod, and is provided with a lock, H, so that when the handle F is pressed down the lock H will catch under the notch of the cam G and firmly hold the rod D. The rod D is provided with a number of spurs, f, along its length.

The bag to be sewed having been filled and stood on its end is placed under the frame A, so that its mouth comes between the braces C and B, where the spring-hooks E, being in-

serted at each side of the bag's mouth, close the lips together. The cam G being unlocked and the handle F being elevated so as to depress the spurs f, the lips of the bag are fastened onto the said spurs f. The handle F being then forced down draws up the mouth of the bag so as to tighten the same, and the cam G being locked by H the bag is held firmly with its lips pressed together flat, and with a space between its contents and its edges sufficient to allow the same to be closed by sewing.

The machinery by which the sewing is done consists of any suitable reciprocating needle and looper with the mechanism of an ordinary sewing-machine. The bag being held stationary, it is necessary that the sewing-machine should travel, and it is therefore arranged to rest on the braces or supports C and B. A handle, R, on each side of the machine affords the means for propelling the same by sliding it along on B and C.

The crank-wheel M is caused to revolve by means of suitable intermediate gear-wheels, which receive motion from the wheel J, gearing with and moving on the rack W.

To M is attached a reciprocating needle, which carries the strong twine that sews the mouth of the bag. This needle reciprocates in a guide, S, which gives direction to the needle, and the guide S is pivoted at its lower end so as to oscillate in correspondence with the movements of the crank-wheel M, by which construction it will be seen a feed movement is accomplished.

No claim is made on any of the details or features of the sewing-machine in this application. Any suitable machine may be used which has the general features above described, and, in particular, reference is made to the description and detailed drawings of such machine shown in Letters Patent of the United States No. 246,644, granted September 6, 1881.

Having thus described my invention, I do not in this application claim broadly the combination of a bag-holder and a traveling sewing-machine; but what I claim, and desire to secure by Letters Patent, is—

1. In a frame for holding the mouths of bags intended to be sewed by machinery, the combination of a rod, D, provided with spurs f for catching the bag, the handle F for tightening

the same, and the cam and lock G H for holding the same fixed in position, substantially as and for the purposes described.

2. In combination with a frame, substantially
5 as described, for holding the mouths of bags to be sewed by machinery, the spring-hooks E, substantially as and for the purposes described,

for distending and closing the mouths of the bags.

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