

D. H. Whittemore,

Apple Parer,

N^o 16,417.

Patented Jan. 13, 1857.

Fig. 4.

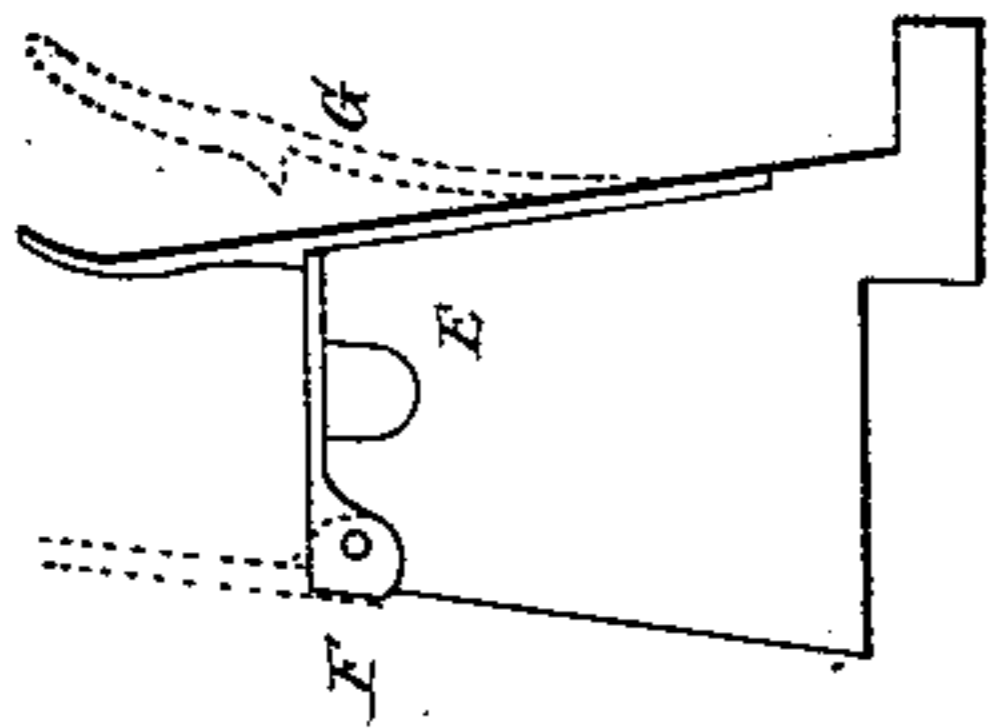
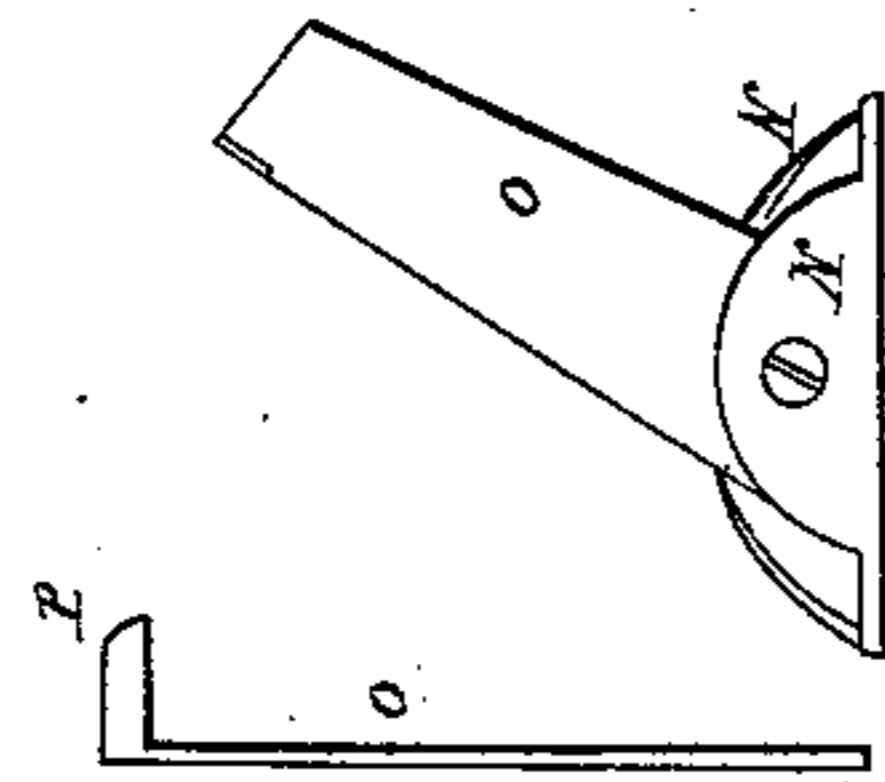


Fig. 3.

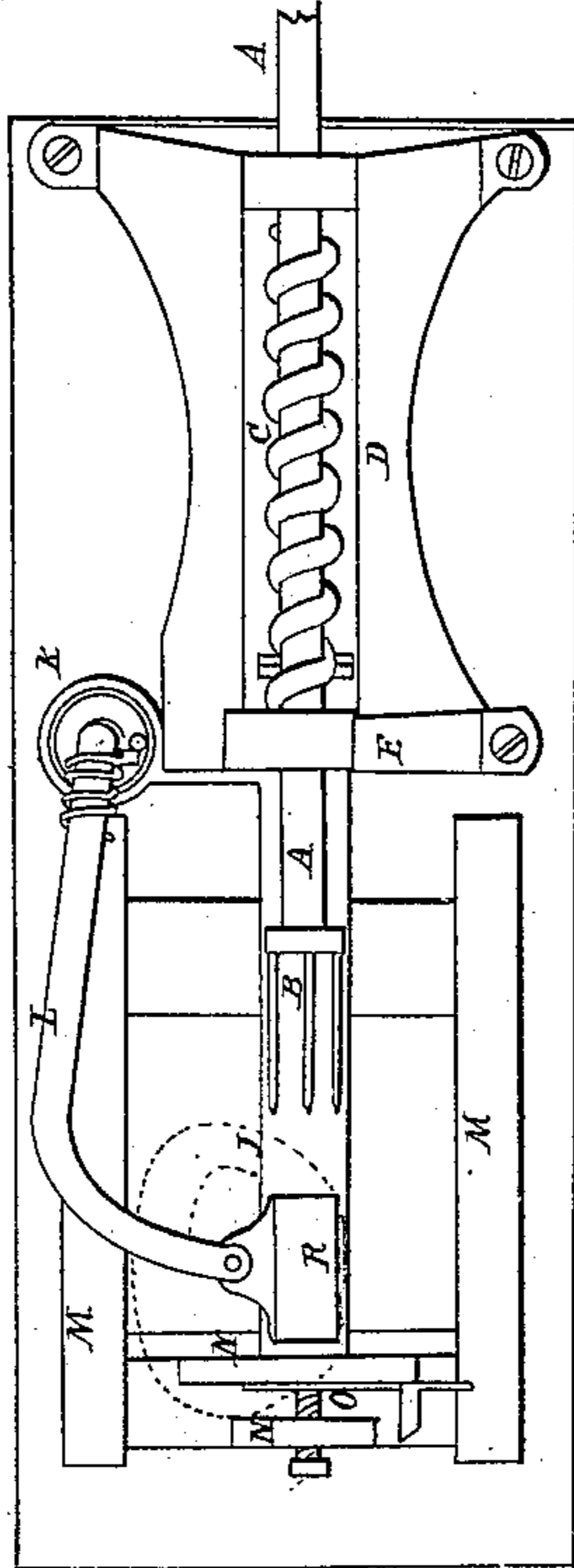


Fig. 1.

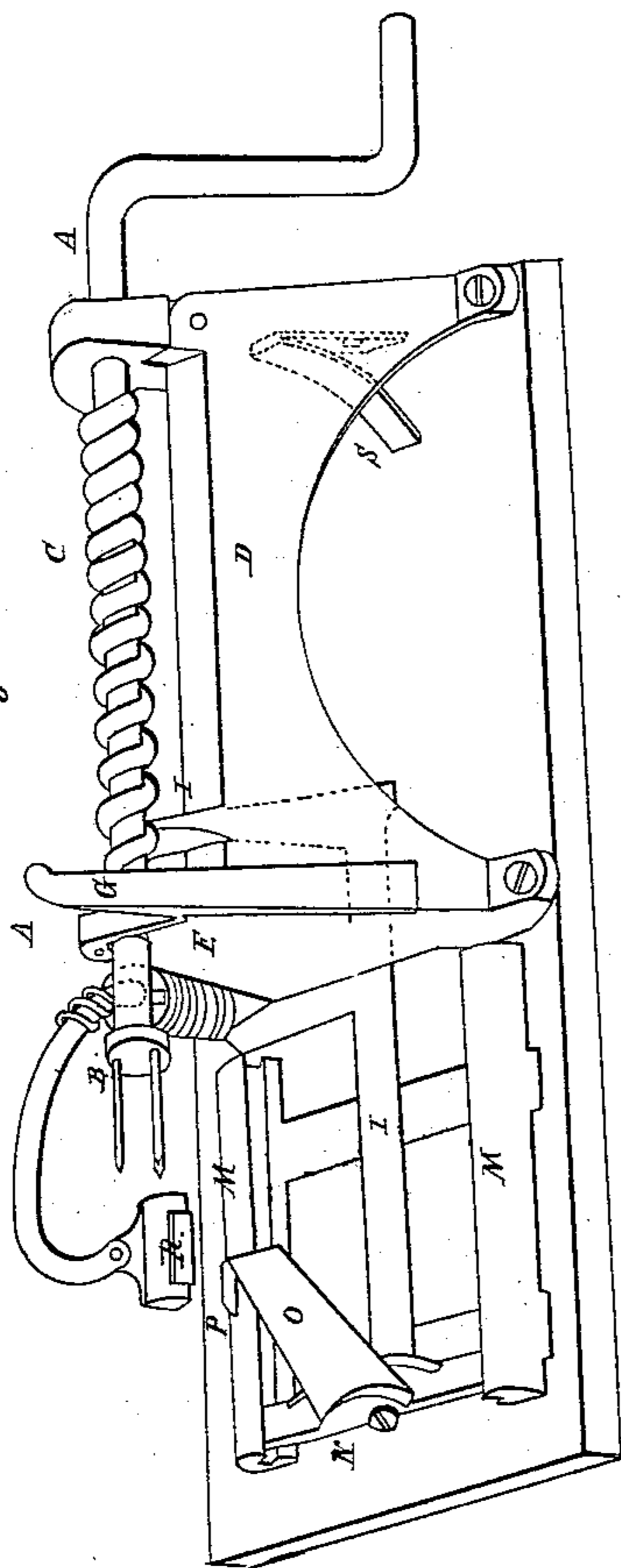
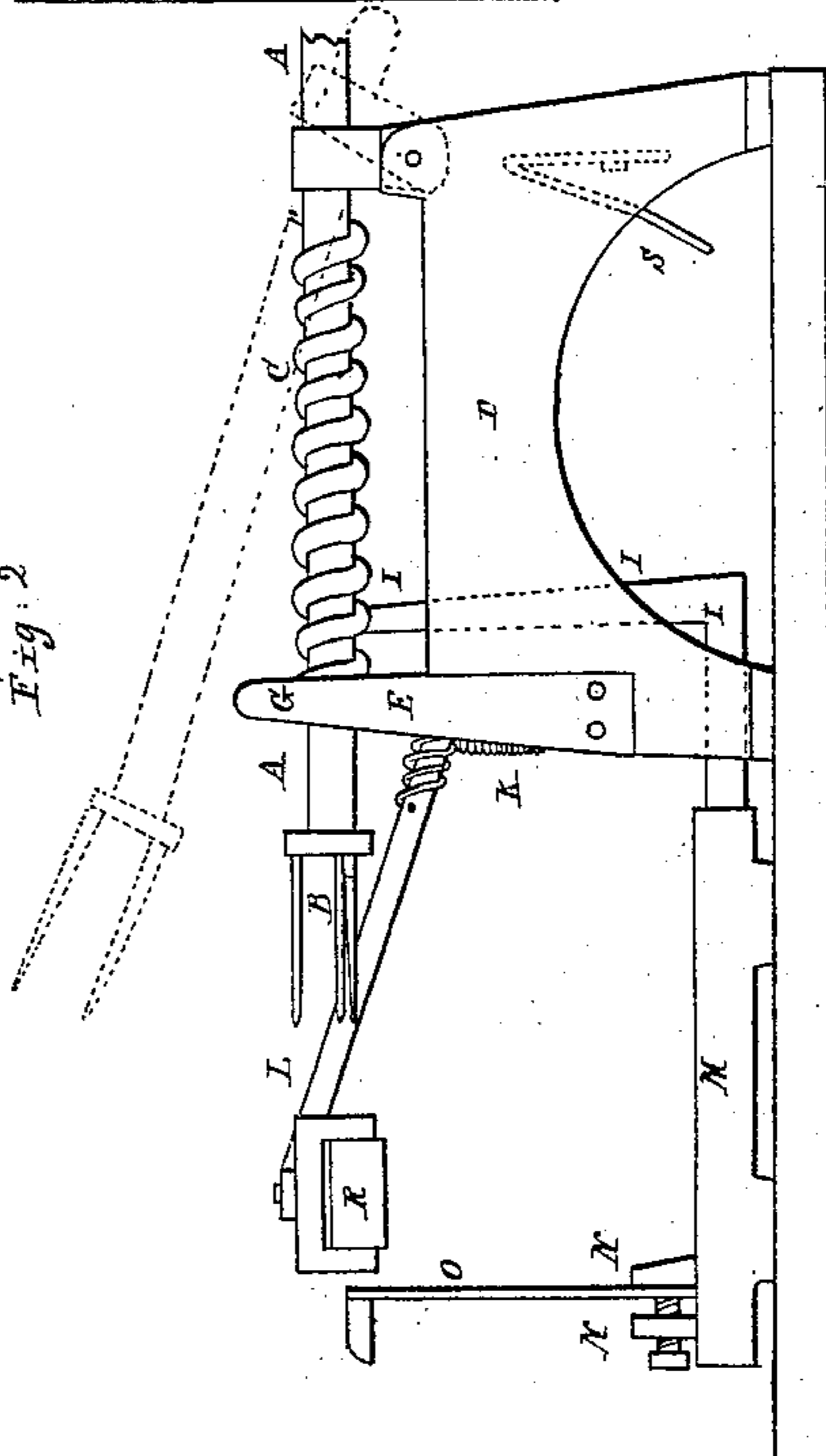


Fig. 2.



UNITED STATES PATENT OFFICE.

D. H. WHITTEMORE, OF CHICOPEE FALLS, MASSACHUSETTS.

MACHINE FOR PARING AND SLICING APPLES.

Specification of Letters Patent No. 16,417, dated January 13, 1857.

To all whom it may concern:

Be it known that I, D. H. WHITTEMORE, of Chicopee Falls, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Machines for Paring, Slicing, and Coring Fruit or Vegetables; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the drawings herewith presented and to the letters of reference marked thereon, in which—

Figure 1 is a perspective view, Fig. 2 an elevation, Fig. 3 a plan, and Fig. 4 parts of the same, the same letters referring to the same parts in each.

To make my improved parer take a shaft A see drawings Figs. 1, 2, and 3, to one end attach a fork B and a little distance from it make a bearing. To the other end of the shaft attach a crank or other means to turn it and make a bearing near it leaving space between the bearings a little longer than the diameter of the largest article to be pared and make the worm or screw C nearly the whole of this space, make the frame D with bearings for the shaft A the one at E having a movable cap hung at F as shown in Fig. 4 and having a spring catch G to hold the cap down when paring and the bearing at H, having a joint below it so that when the cap at E is removed it will allow the shaft A to be raised as shown in the dotted lines in Fig. 2. The frame D being made with a slot under the screw C to form a slide for the piece I the end of which works in the screw, C, the piece I being connected to the slide J moving in the ways M, M and having a socket K for the paring knife holder L and flanges N N to hold the slicing and coring knife O which is made as shown in Fig. 4 with a lip P a little longer than the pitch of the screw C and is set so as to clear the fork B and leave a core of the required size.

The knife holder L is provided with a spring to keep it pressed against the apple or thing pared and having a motion in its socket to allow it to swing away from the fork B so as to pass around the apple when the slide J is moved along. The paring knife K is put in a head of the common form and hung to the holder L so as to have a free motion half around as shown by the dotted lines in Fig. 3. On the inside of the frame D put the spring S Fig. 2 so that the

piece I shall compress it when drawn up and on raising the shaft A to clear the screw from the end of I the spring S shall throw back the slide J and its accompaniments. 60

To operate it place an apple on the fork B with the slide J as in Figs. 1 and 2 then turning the shaft A the screw C draws the slide J along bringing the paring knife against the surface and the spring on L 65 holds it there sufficiently to pare but yields and allows the knife to pass around the apple and presses it in again after passing the knife head turning so as to present the edge always to the apple, the knife O following 70 the other slices the apple into one spiral slice and the lip F cuts it from the core allowing the piece to close after the knife so that the apple retains its shape until taken off, the fork B when the core is easily 75 punched out by the finger leaving the apple sliced, cored and pared. Having run the slide J clear up to D release the cap at E from the catch G, raise the shaft A so that the screw C may release the piece I and the 80 spring S will throw the slide J out again ready to pare another, take the pared apple from the fork B and put on another and return the shaft A and the cap under the catch G and all is ready to pare again. 85

This construction and arrangement of parts may be much varied and in some parts other forms substituted as the paring knife K may be made semicircular and attached firmly to its holder L, and the knife O and 90 its lip P made separate and held in a different manner, and other variations suggest themselves to accommodate the varied kinds of paring to be done by my machine, without varying its principles of action; I do 95 not claim the particular form or arrangement of its parts, but

What I claim as new and desire to secure by Letters Patent is—

1. So arranging the slicing knife that it 100 shall cut the apple into a continuous spiral slice as set forth.

2. So combining the parer and slicer with each other that the operation of the two shall be simultaneous, as set forth. 105

In witness whereof I hereunto set my hand in the presence of two witnesses.

D. H. WHITTEMORE.

Witnesses:

GEO. L. SQUIER,
AMY WILLIAMS.