

C. M. Spencer.
Labeling Spool &c.
Nº 25770. Patented Oct. 11. 1859.

Fig. 1.

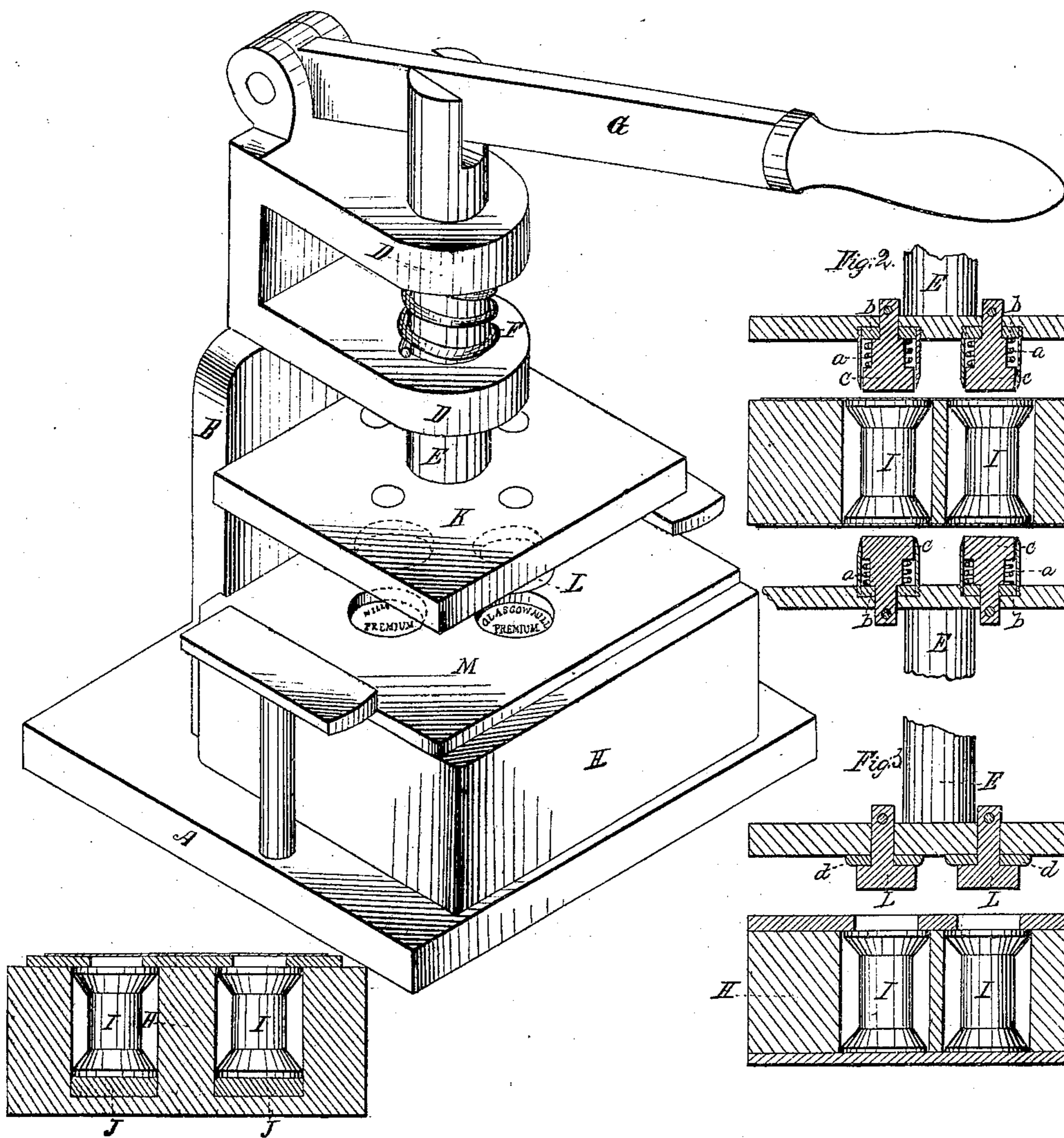


Fig. 2.

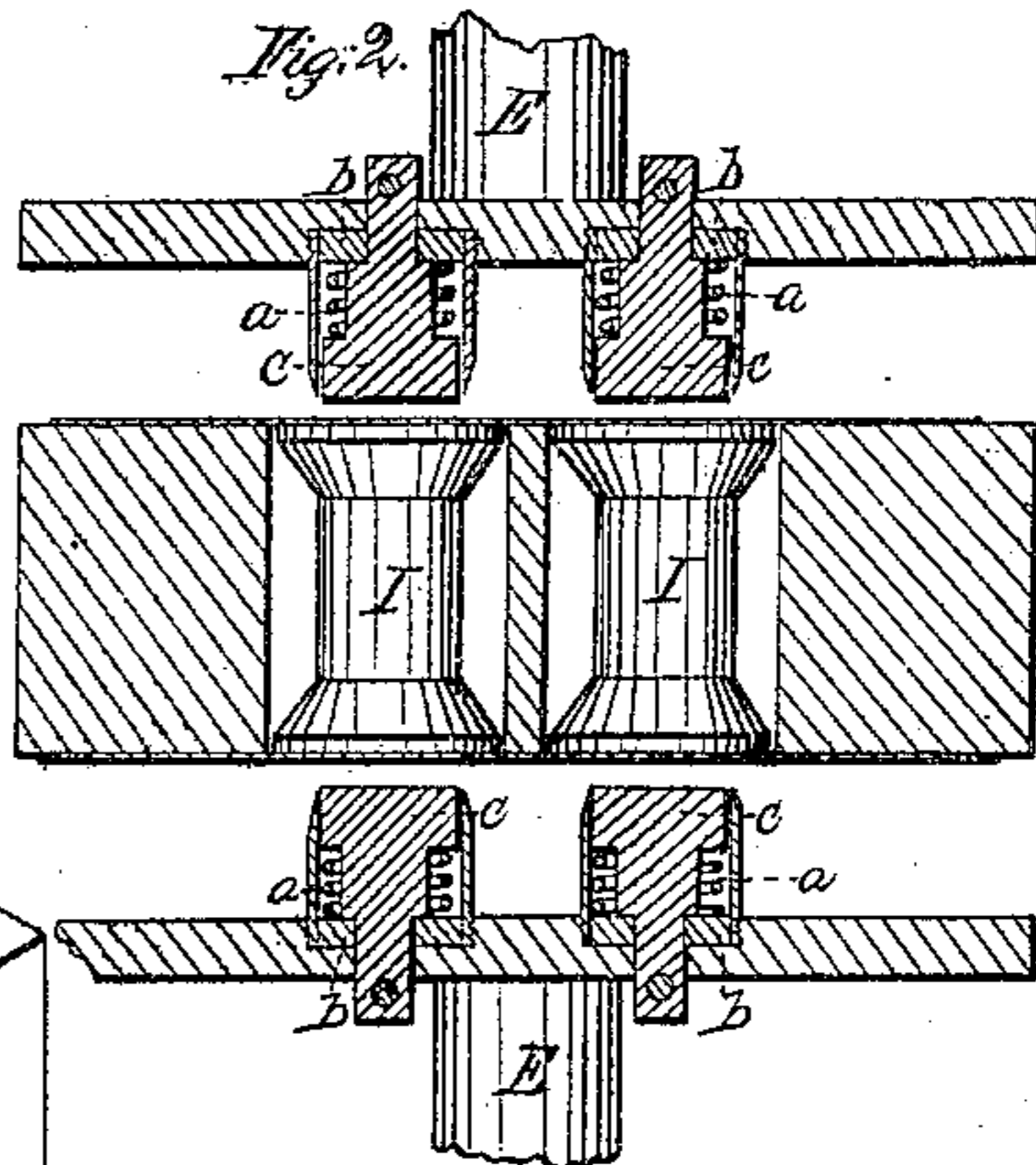
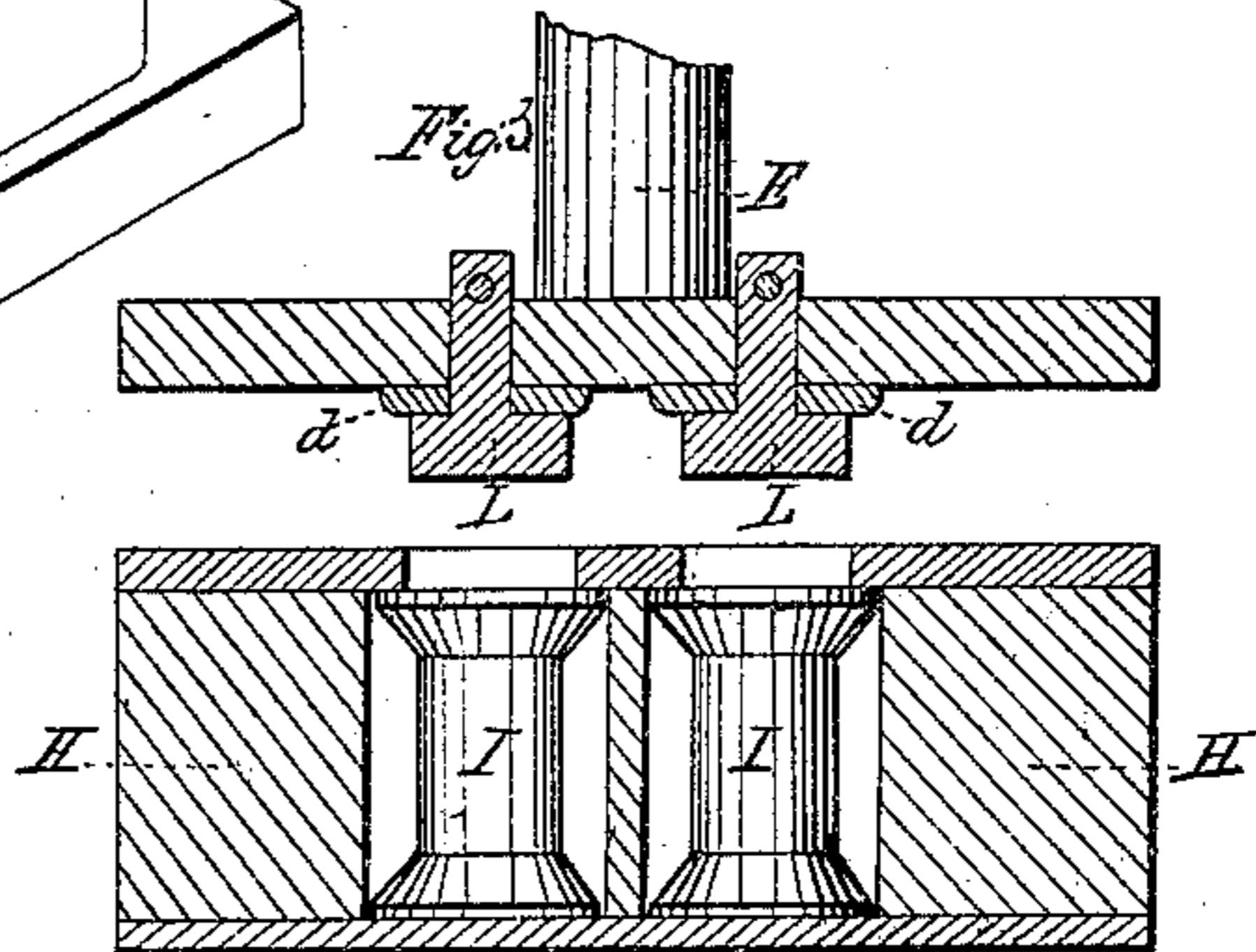


Fig. 3.



UNITED STATES PATENT OFFICE.

C. M. SPENCER, OF MANCHESTER, CONNECTICUT.

APPARATUS FOR CUTTING AND ATTACHING LABELS, &c.

Specification of Letters Patent No. 25,770, dated October 11, 1859.

To all whom it may concern:

Be it known that I, C. M. SPENCER, of Manchester, county of Hartford, and State of Connecticut, have invented a new and useful Improvement in the Mode of Simultaneously Cutting and Fastening Labels onto Spools; and I do hereby declare that the same is described and represented in the following specification and drawings; and to enable others skilled in the art to make and use the same I will proceed to describe the mode of proceeding and operating, referring to the drawings, in which the same letters indicate like parts in each of the figures.

The nature of my improvement consists in cutting and securing labels on to spools, and in the manner substantially as hereinafter set forth and described.

In the accompanying drawings Figure 1 is an isometrical view of a frame work, or machine consisting of a bed A, upright post B, projecting arms D, spindle E, spring F, lever G, made very much in the ordinary way of making small presses for various purposes. H, is a block in which are made holes extending nearly through said block, in which I propose to arrange and make such number of holes as may be desired, and of such diameter and depth as to receive the length of the spools I, with a suitable thickness of elastic substance J, at the bottom, so that the upper end of the spools resting thereon, will be nearly flush with the upper surface of the block. Said block may be secured in place in any of the well known ways, so that it may be easily and quickly placed, or removed, into, or from the machine, in the most expeditious manner. K is a plate secured to the end of the spindle E into which I secure punch dies L corresponding in number and arrangement with the holes in the cutting die M, and the holes in the block H. M is cutting die or plate made and secured in any of the well known ways, so that it may be quickly removed and replaced, when desired. Now it will be seen, that by sizing the labels (while yet in the sheet) and laying it over the die M, and guided or regulated, as desired, by gage lines or other device, and by simply bearing down

the punch dies L, through the die M, both cuts and presses, or secures the labels to or upon the end of the spools, by one or the same action of the machine whether it be automatically operated or otherwise.

In Figs. 2 and 3 I have shown modifications in the mode of cutting and affixing the labels to spools. In Fig. 2, I have shown a block, in thickness corresponding to the length of the spools. The blanks on which the labels are printed are affixed in place, upon each side of the block (over the spools) before it is put into the machine. The machine is provided with a double set of tubular cutters *e*, having spiral springs *a*, or yielding pressure *b* to the follower *c*, the lower set being so arranged, whenever it shall be desirable to use them thus, as described in Figs. 2, and 3, as to work up through a bed piece of a machine (as A Fig. 1) on which the block rests. By this arrangement both sides may be cut and affixed by one and the same operation of a machine. In Fig. 3 the punch die is supplied with elastic collars *d*, the block also being made the same thickness to correspond with the length of the spools, and an elastic bottom N may be secured to the bed A, so that after the labels are secured on the block, over the spools, on one side of the block it (the block) may be turned over (while the spools yet remain therein) and the labels affixed on the opposite ends thereof without removing them therefrom until the labels are affixed on both ends of the spools. The object of the elastic base N, is to provide for the variation, or inequality in the length of the spools. It will be seen therefore that I contemplate various mechanical ways of accomplishing the object stated, viz., cutting and affixing labels to spools by one or the same operation of a machine whether it operates automatically or otherwise.

I believe I have thus described the construction of the machine used, and some of the modified ways which I propose sometimes to use in carrying out my proposed mode of cutting and affixing labels to spools. The advantage derived over other modes (which are chiefly cutting and affixing them

by hand to the spools) of labeling spools are, great rapidity, and saving of valuable labor, by substituting cheaper help.

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

The cutting and affixing labels upon spools by one or the same action of a machine, as the dies M, L, or the tubular cutters *e*, fol-

lower *c*, or their equivalents, substantially in the manner as and for the purpose described. 10

C. M. SPENCER.

Witnesses:

EDWARD BEHL,
JEREMY W. BLISS.