

No. 675,071.

Patented May 28, 1901.

F. F. SAVAGE.
DROP STAND FOR SEWING MACHINES.

(Application filed Jan. 5, 1901.)

(No Model.)

Fig. 1.

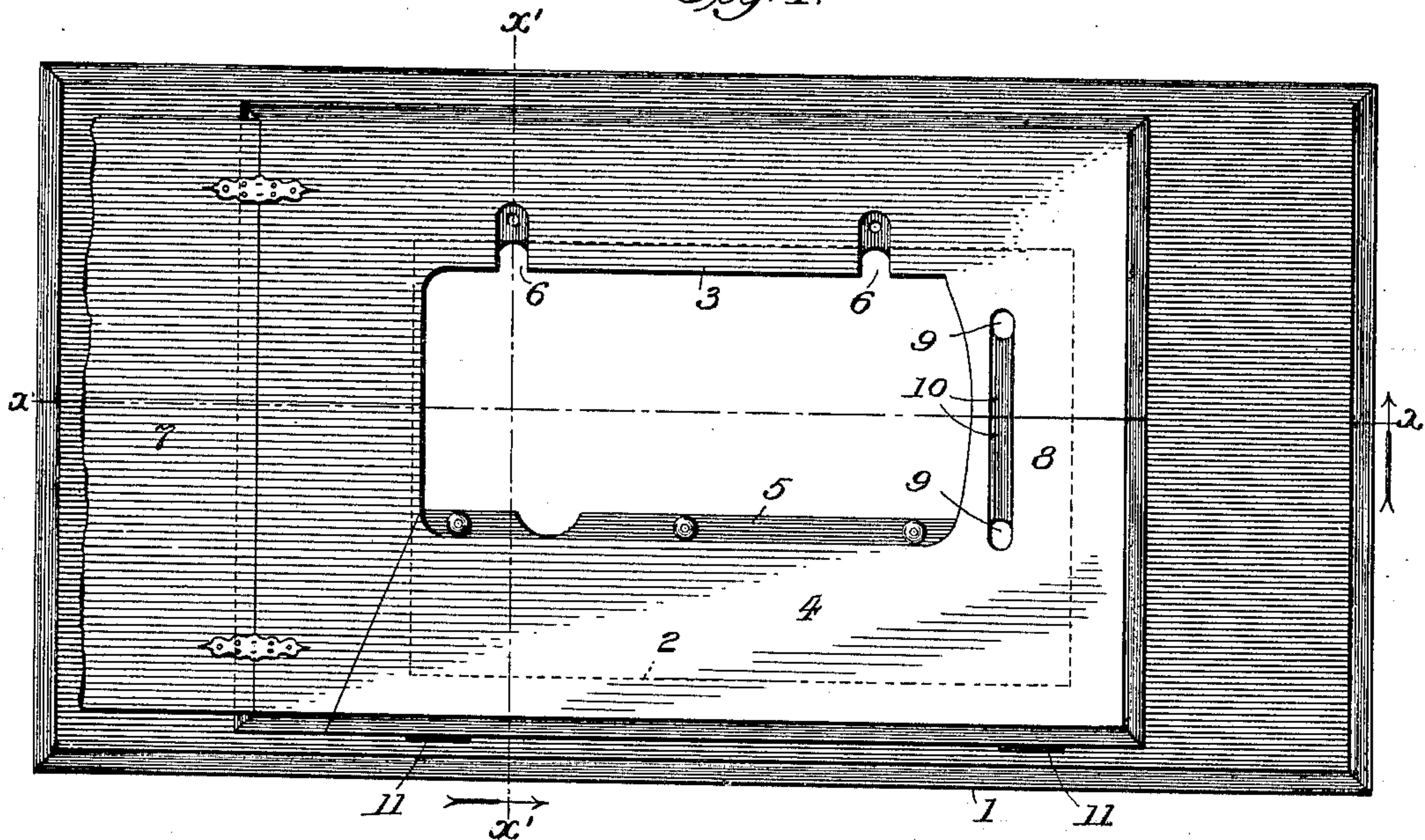


Fig. 2.

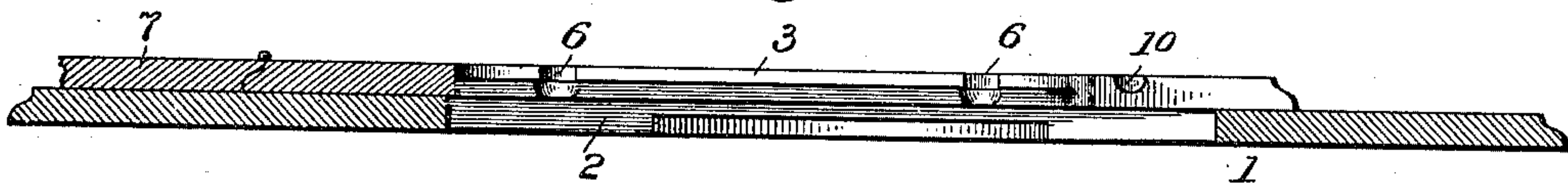
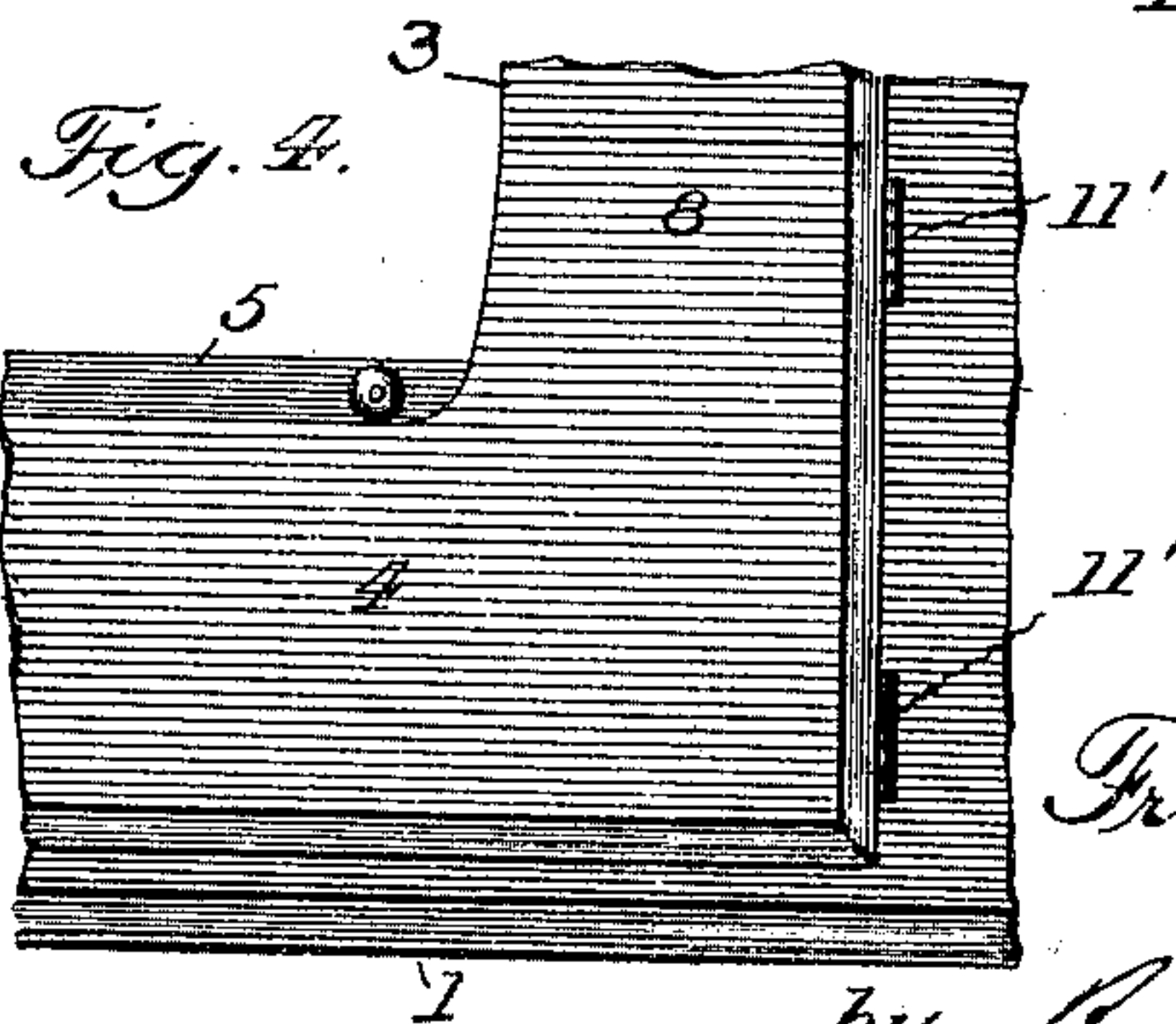
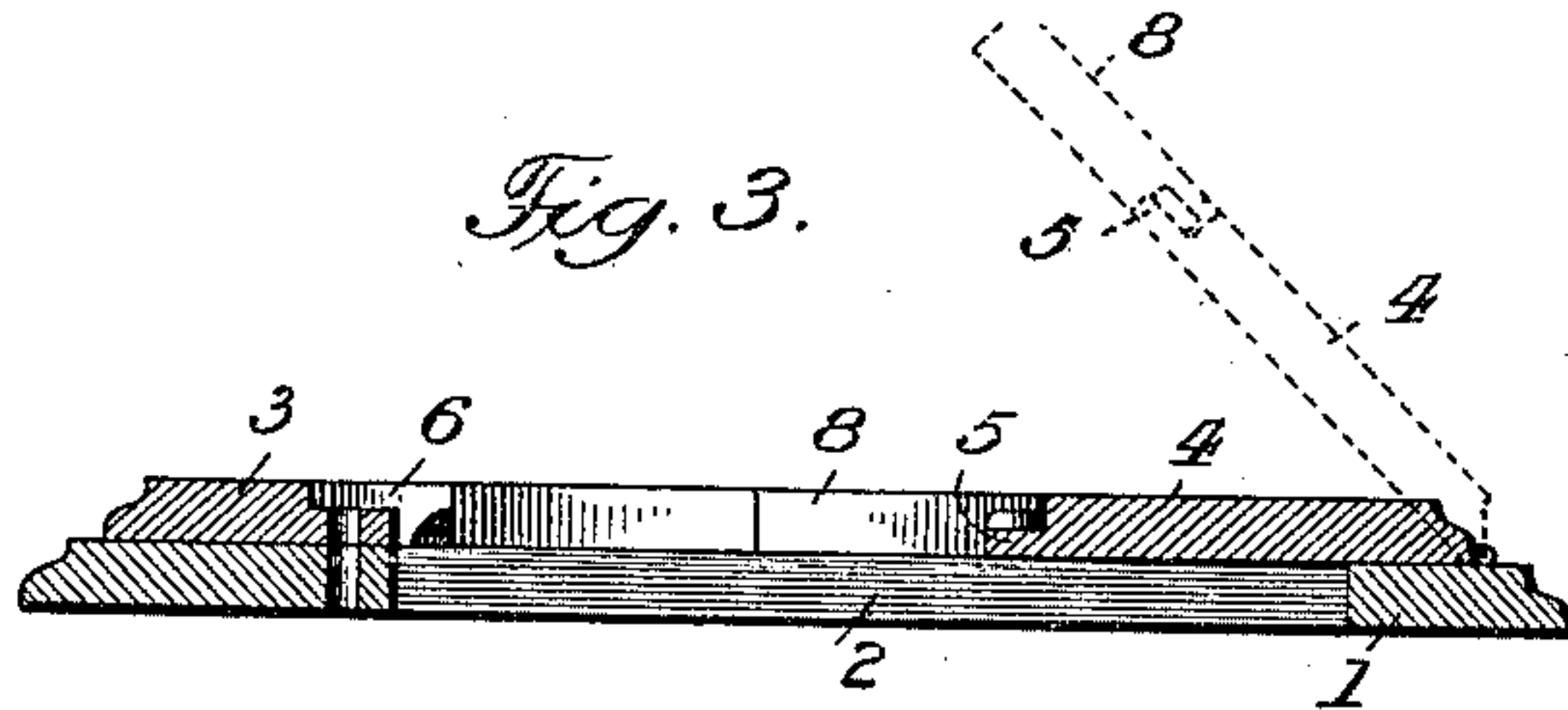


Fig. 3.



Attest:

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FRANK F. SAVAGE, OF CHICAGO, ILLINOIS.

DROP-STAND FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 675,071, dated May 28, 1901.

Application filed January 5, 1901. Serial No. 42,246. (No model.)

To all whom it may concern:

Be it known that I, FRANK F. SAVAGE, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Drop-Stands for Sewing-Machines, of which the following is a specification.

The present invention relates to that type of sewing-machine stands or tables in which means are provided to permit the sewing-machine head to drop beneath the table-top and be covered over by a hinged leaf when not required for actual use.

The object of the present improvement is to provide a simple, durable, and effective construction of parts which are capable of a very ready and convenient manipulation in the operations of raising or lowering the sewing-machine head and with which the sewing-machine head is supported in a substantial manner (when in actual use) in a plane level with the table-top and without any gaps or open spaces between the margin of its bed-plate and the opening in the table-top through which it descends or drops and with which, in addition, the driving-belt of the machine is held in proper position to be engaged by the belt-wheel of the machine as the same is lifted up into an operative position, all as will hereinafter more fully appear and be more particularly pointed out in the claims. I attain such object by the construction and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of a sewing-machine table embodying the present invention; Fig. 2, a longitudinal section of the same at line $x x$, Fig. 1; Fig. 3, a transverse section of the same at line $x' x'$, Fig. 1; Fig. 4, a detail plan view of a modified construction.

Similar numerals of reference indicate like parts in the several views.

Referring to the drawings, 1 represents the main table-top, having an opening or orifice 2 for the passage of the sewing-machine head and of a sufficient size to permit the ready passage therethrough of the said head and its connected parts.

3 is a supplementary table-top arranged immediately above the main table-top 1 and formed with a central opening for the recep-

tion of the base-plate of the sewing-machine head, and which supplementary table-top will comprise a stationary portion 3, permanently secured to the main table-top 1, and a front section or portion 4, pivotally attached to the main table-top 1 and provided with a sunken ledge 5, upon which the forward edge of the base-plate of the sewing-machine head rests and is supported in its raised or active position, the construction being such that said hinged section can be swung up, as indicated in dotted lines in Fig. 3, to permit the rising or drop movements of the machine-head, which in the present construction will be hinged at the rear margin of the aforesaid opening by suitable hinges attached within the recesses 6 therefor in the top 3.

7 is a lid or cover hinged at the end of the supplementary table-top 3 and adapted in one position to constitute a work-supporting leaf or extension and in its other position a cover or lid for the openings in the main and supplementary table-tops 1 and 3.

The general construction and arrangement of parts so far described is common to drop-stands for sewing-machines now in public use. The novelty involved in the present invention comprises a special construction of parts, as follows:

In the present improvement the opening in the supplementary table-top is of a size and shape corresponding to that of the base-plate of the sewing-machine head, so that when said head is swung up into a raised or active position the base-plate thereof will fit said opening with its surface level with the surface of said supplementary table-top, and the front and more or less of the right-hand end of said opening will be formed by the hinged front section 4, which to this end is formed with an extension 8, which extends backwardly a sufficient distance to receive one of the holes 9 through which the driving-belt of the machine passes, the other belt-hole being formed in the stationary part of the auxiliary table-top, as shown, and in my preferred construction the two belt-holes are connected together by a transverse channel 10, in which the belt lies when the sewing-machine stand is in a dropped position. With such arrangement of parts the belt is held in proper position or alinement to be engaged by the belt-pulley of

the sewing-machine head as the same is raised into an active or operative position.

In my preferred construction, as illustrated in Fig. 1 of the drawings, the extension 8 of the hinged section 4 is shown as extending to the middle of the auxiliary table-top; but it is within the province of the constructor to give it a greater or less extension, in accordance with the clearance (the diameter of, as well as the elevation of) the rearwardly-arranged driving wheel or pulley of the sewing-machine head may require in the dropping of the sewing-machine head below the table-top. In effecting such drop movement of the sewing-machine head the hinged front section 4 will be first swung up out of the way. In like manner the hinged front section 4 is shown in Figs. 1 and 3 as hinged at its forward edge by means of hinges 11 as affording the most convenient arrangement for ready manipulation. It is, however, within the province of the present invention to hinge said section 4 at its right-hand end by means of hinges 11' when circumstances may suggest without departing from the spirit of this part of the present invention.

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

1. In a drop-stand for sewing-machines, the combination of a main table-top formed with an opening of capacity to permit the passage of the sewing-machine head, a supplementary table-top comprising a stationary section and a hinged section having a backward extension, such sections being formed with an opening of a size corresponding with the base-plate of the sewing-machine head, and with belt-holes for the passage of the driving-belt of the sewing-machine, substantially as set forth.

2. In a drop-stand for sewing-machines, the combination of a main table-top formed with

an opening of capacity to permit the passage of the sewing-machine head, a supplementary table-top comprising a stationary section and a hinged section having a backward extension, such sections being formed with an opening of a size corresponding with the base-plate of the sewing-machine head, with belt-holes for the passage of the driving-belt of the sewing-machine and with a belt-receiving channel connecting said belt-holes, substantially as set forth.

3. In a drop-stand for sewing-machines, the combination of a main table-top formed with an opening of capacity to permit the passage of the sewing-machine head, a supplementary table-top comprising a stationary section and a movable section hinged at its forward edge and provided with a backward extension, such sections being formed with an opening of a size corresponding with the base-plate of the sewing-machine head and with belt-holes for the passage of the driving-belt of the sewing-machine, substantially as set forth.

4. In a drop-stand for sewing-machines, the combination of a main table-top formed with an opening of capacity to permit the passage of the sewing-machine head, a supplementary table-top comprising a stationary section and a movable section hinged at its forward edge and provided with a backward extension such sections being formed with an opening of a size corresponding with the base-plate of the sewing-machine head with belt-holes for the passage of the driving-belt of the sewing-machine and with a belt-receiving channel connecting said belt-holes, substantially as set forth.

Signed at Chicago, Illinois, this 31st day of December, 1900.

FRANK F. SAVAGE.

Witnesses:

ROBERT BURNS,
HENRY A. NOTT.