

(No Model.)

A. S. WASS.
CABINET FOR SEWING MACHINES.

No. 443,061.

Patented Dec. 16, 1890.

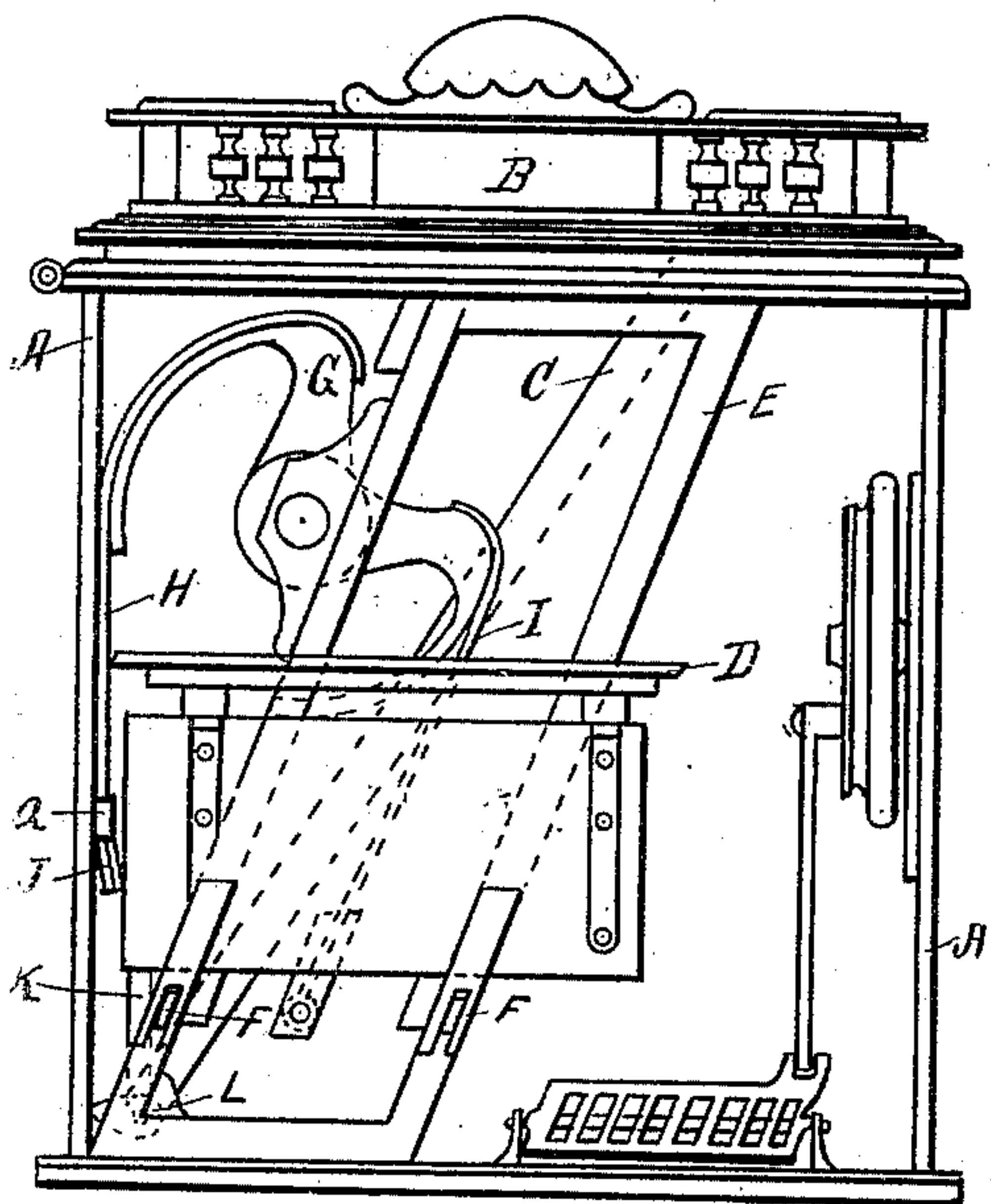


Fig. 1.

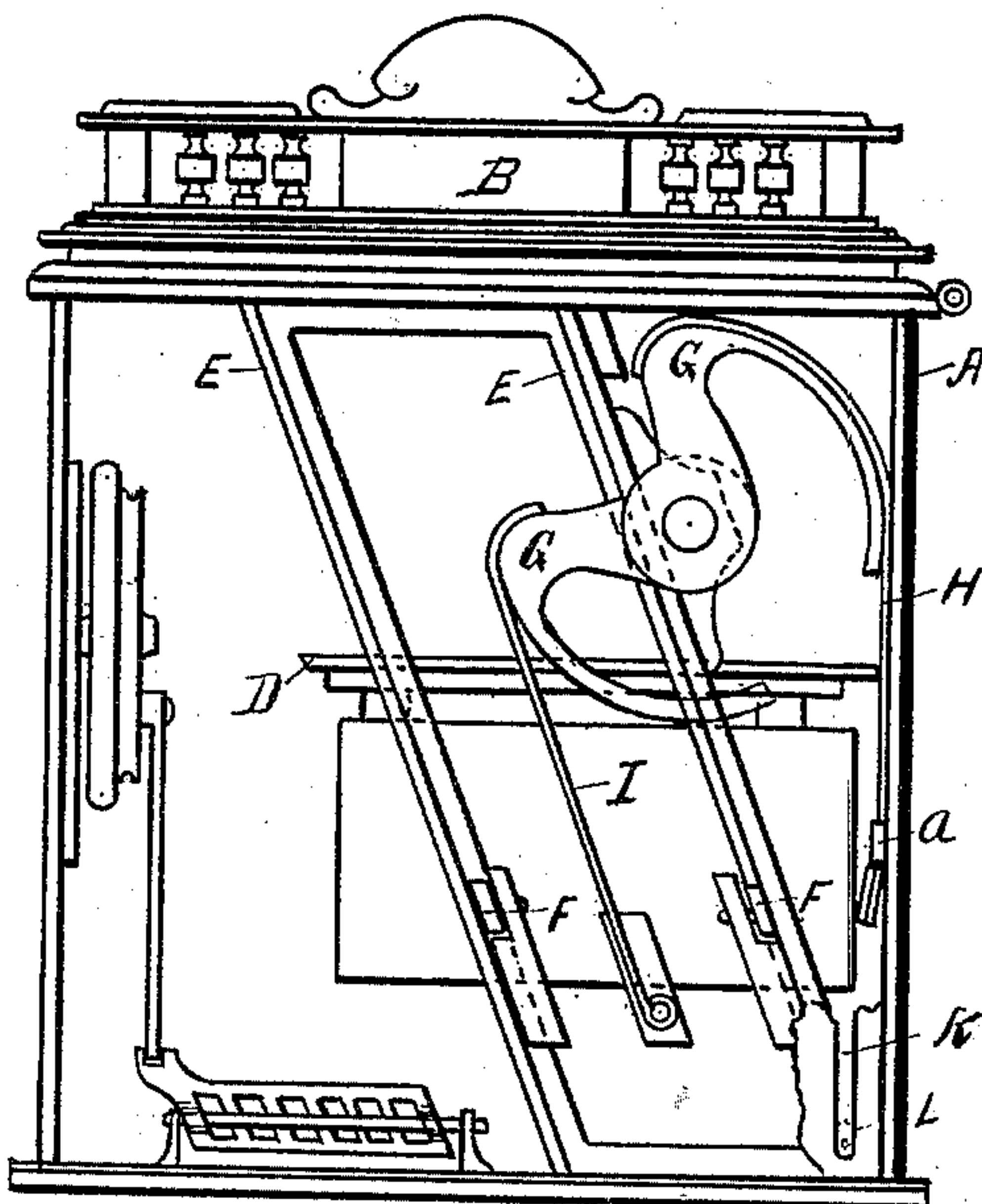


Fig. 2.

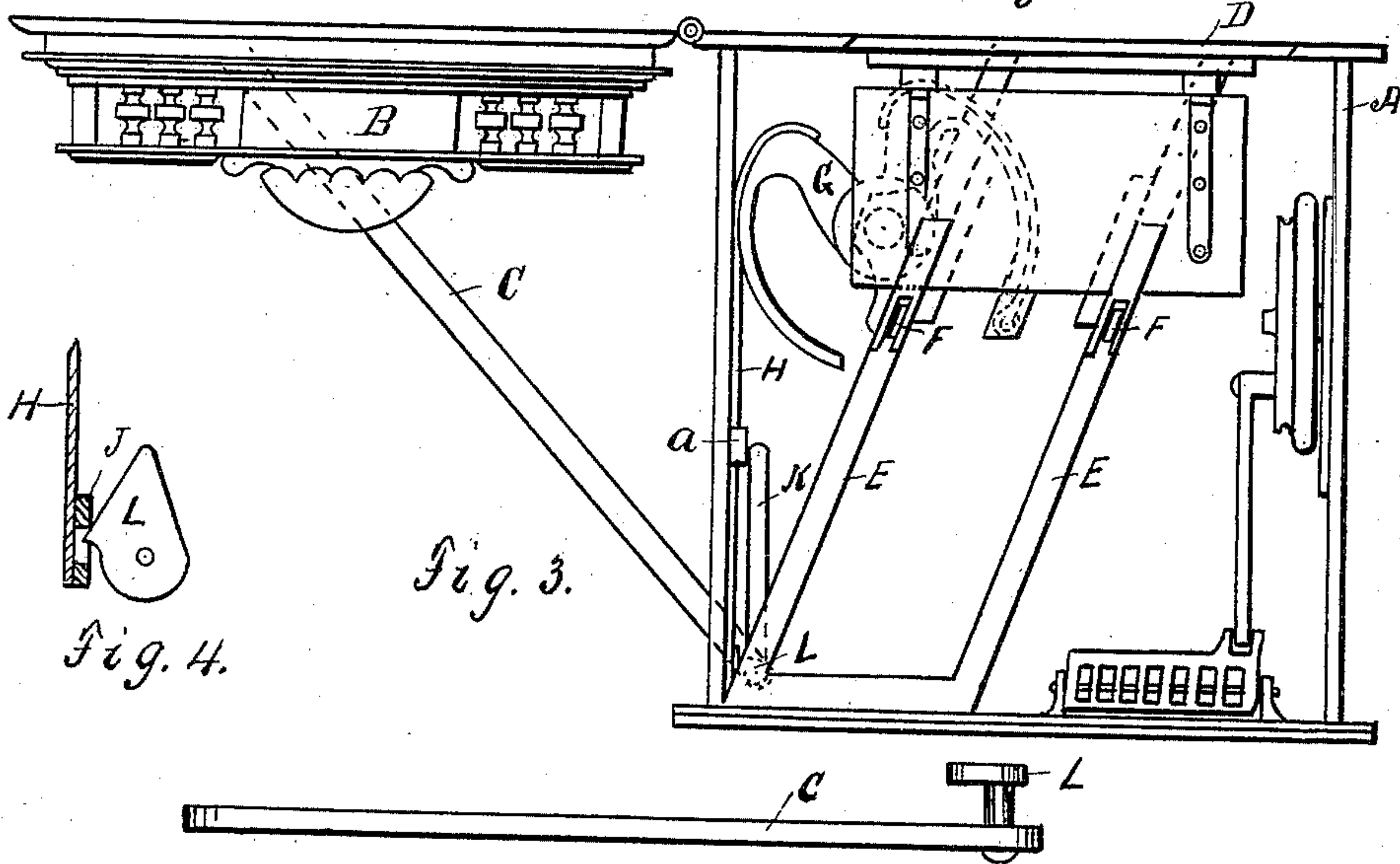


Fig. 3.

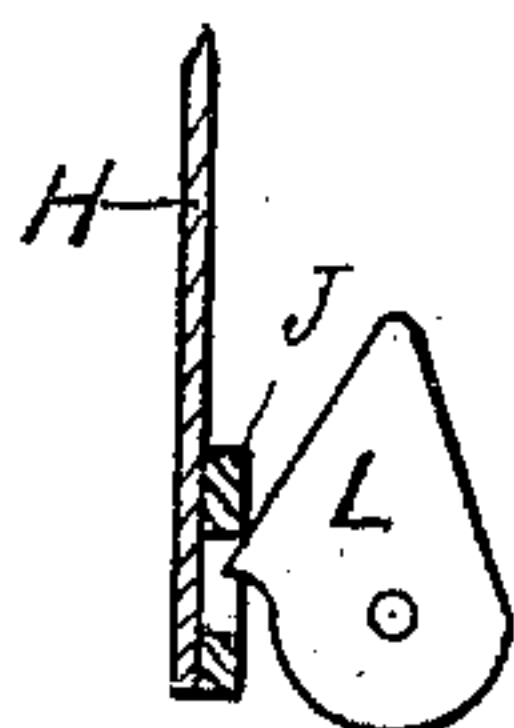


Fig. 4.

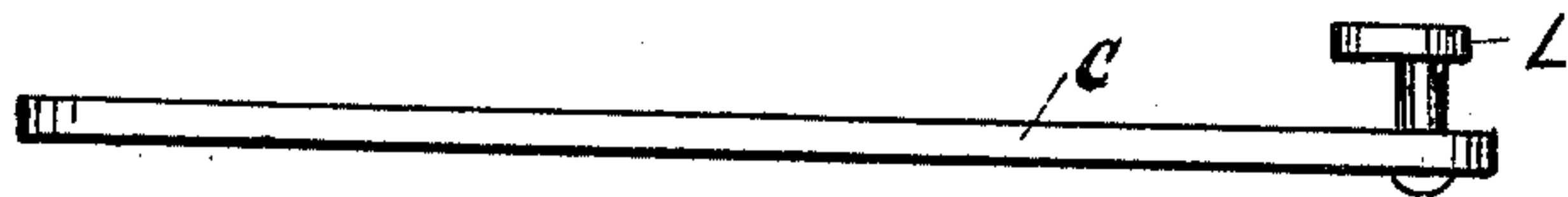


Fig. 5.

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by
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his Atty.

UNITED STATES PATENT OFFICE.

ALLEN S. WASS, OF BLOOMFIELD, NEW JERSEY, ASSIGNOR TO THE DOMESTIC SEWING MACHINE COMPANY, OF OHIO.

CABINET FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 443,061, dated December 16, 1890.

Application filed December 1, 1886. Serial No. 220,406. (No model.)

To all whom it may concern:

Be it known that I, ALLEN S. WASS, a citizen of the United States, and a resident of Bloomfield, Essex county, New Jersey, have
5 invented new and useful Improvements in Cabinets for Sewing and other Machines, of which the following, taken in connection with the drawings, is a specification.

My invention relates to that class of cabinets adapted to present and support a machine at its top when required for use and to admit of its being lowered from view within the casing and the folding of a cover, which transforms the cabinet from a table supporting an operative machine to a complete table
15 or desk without exterior traces of its character first assumed.

It consists in the method and means for elevating and lowering the machine to and
20 from the top of the cabinet automatically by means hereinafter specified and equivalents thereof.

Referring to the drawings, Figure 1 represents a skeleton front view of my improved
25 cabinet. Fig. 2 represents a rear view of the same; and Fig. 3 represents a front view of the cabinet, (skeleton form,) showing the cover removed and in position with its brace in position for partially supporting the same.
30 Fig. 4 represents a pivotal cam-catch which forms one portion of the operative features of my invention. Fig. 5 represents the brace with the cam-catch (more clearly shown in Fig. 4) attached thereto.

35 In the drawings, A represents the exterior of the case proper of a form usual for similar purposes and provided with doors at the front.

B represents a secondary top or cover
40 hinged to the main or principal top, and C represents a pivotal sliding brace.

D represents a movable platform for supporting the machine.

E E are guides, which serve to direct the
45 platform in a line diagonal to the center of the cabinet, and F F are anti-friction rollers operating in conjunction with the movable platform to which they are secured and the diagonal guides already referred to.

50 G is a cam-wheel, in the present instance secured to one of the diagonal ways.

H and I are bands for uniting the movable platform with the movable brace C, before referred to, which together form the means for elevating and lowering the platform with
55 the machine automatically. These bands in the present instance are simply thin metallic strips of sufficient flexibility to conform to the contour of the outer periphery of the cam-wheel G, to which they are attached, so as to
60 serve in raising the said connecting-platform when the brace C is moved downward into position when supporting the secondary cover, one of the straps or bands being united at one end to the wheel, and at its opposite
65 end is provided with a strip J, secured thereto, provided with an opening therein, as clearly shown in Fig. 4, adapted to be engaged by a cam-hook L, secured to the lower
70 end of the brace C, before referred to, to be operated in a manner as will hereinafter be described. The other strap is secured to the
75 same wheel G at one end and the other to the platform, which is to be raised by the united assistance of straps, wheel, and brace.

It will appear obvious to those skilled in the art that a chain or other means may be substituted for the metallic straps already referred to, as they are capable of performing
80 the same functions when employed in connection with the other factors of the said combination.

The strap H when engaged and operated by the cam-hook L, located on the brace C, traverses a path provided with a stop formed
85 of an arm or pin *a*, against which the said strip J is checked in its upward movement at the lowering of the table D, as will be hereinafter explained.

The anti-friction rollers (shown at F F) before referred to are attached to a part upon
90 each side of the carriage or movable platform, which traverses the diagonally-arranged guideways E E. The parts are secured together in a manner familiar to those skilled
95 in the art.

The form of the band-wheel G may be modified to suit the constructor, as the purpose of the wheel referred to is simply to form a
100 union of the hands H and I, so that the drawing down of the one lifts the other, or, in other words, are to move in unison.

In illustrating the invention hereinbefore set forth, I have shown a band and balance wheel with connecting-rod and treadle suitable for operating sewing-machines. The angle at which the guideways are set allows the platform with a sewing-machine and its projecting band-wheel to pass in its descent without interfering with the foot-power mechanism. For other purposes, such as typewriters and others, where power from beneath is not required, the guideways may be set vertical instead of at an angle.

In lifting the hinged cover from position shown in Figs. 1 and 2 of the drawings the brace C (which is pivotally attached to its rear) is lifted until the cover passes a vertical line, when the brace begins to descend, traversing a slot or groove K in the rear, (more clearly shown in Fig. 3,) the cam-hook L engaging the said slot or opening in the strip J, and by this engagement and connection the platform is raised up with the machine into position.

The lifting of the movable cover from its extended position allows the platform with its machine to descend from the position formerly assumed below the top from view by its own gravity, except as its motion may be retarded by the strap H in a manner as follows: As the cover B and brace C are moved back to their position, as shown in Figs. 1 and 2, the cam-hook L, secured on the said brace C, is moved from engagement with the strap H, and the strip J thereon engages with the projection a, in order to support the movable table D in its lowered position and allow independent motion to the brace in traversing the extent of its run not required for moving the platform, as will be readily understood.

Having thus set forth my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, with a cabinet-case provided with a hinged cover, a movable plat-

form, guideways by which said platform is partially supported and guided, and a movable supporting-brace pivotally connected with said hinged cover, of a pivoted wheel provided with strips connected thereto at one end, and at their opposite end connecting with said movable platform and supporting-brace, respectively, substantially as and for the purpose set forth.

2. The combination, with a cabinet-case provided with a movable top, a vertically-adjustable platform, guideways by which said platform is guided, and a brace or rod hinged to said movable top, of a pivoted wheel connected with said platform and said brace through the medium of strips, substantially as set forth, and a pin or projection for engagement with one of said strips, substantially as described, and for the purpose set forth.

3. The combination, in a cabinet-case provided with a vertical moving platform, a hinged cover, and a supporting-brace connected at one end with said cover and at its opposite end provided with a cam-hook, of a pivoted wheel provided with straps attached at one end thereto, one of which connects with said platform and the other provided with an opening for connection with said cam-hook, substantially as and for the purpose set forth.

4. The combination, in a cabinet-case, of a vertical movable platform and guideways for the same, a hinged cover, a brace connected at one end with said cover and provided with a cam-hook, a guideway for said brace, and a pivoted wheel provided with straps or bands connected at one end thereto and at their opposite end connecting with said platform and brace or part thereof, respectively, in a manner substantially as and for the purpose set forth.

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Witnesses:

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