

No. 710,042.

Patented Sept. 30, 1902.

J. CUBER & A. HACKENBROCH.  
SEWING MACHINE TABLE OR CABINET HEAD.

(Application filed Oct. 19, 1901.)

(No Model.)

3 Sheets—Sheet 1.

Fig. 1

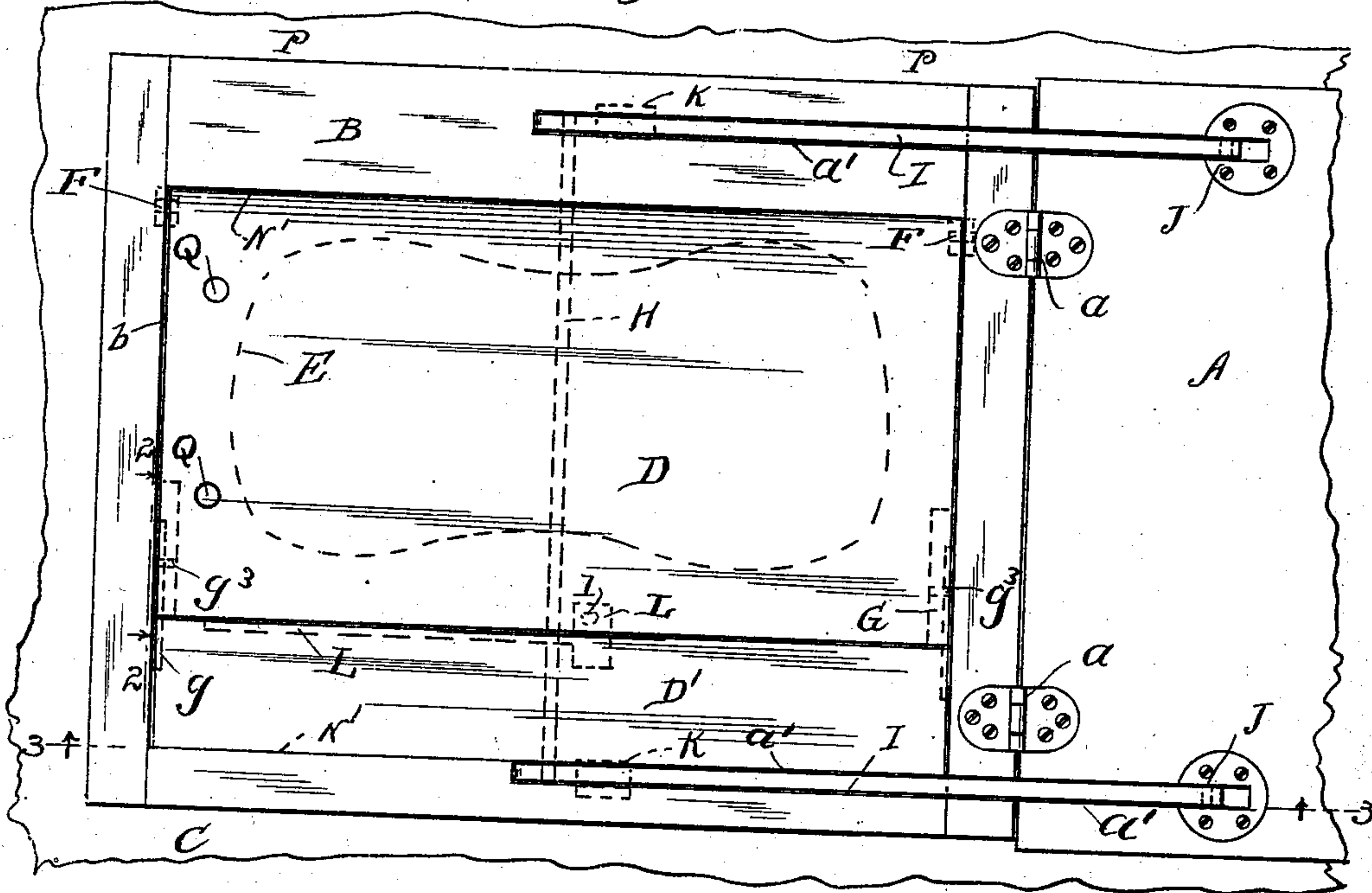
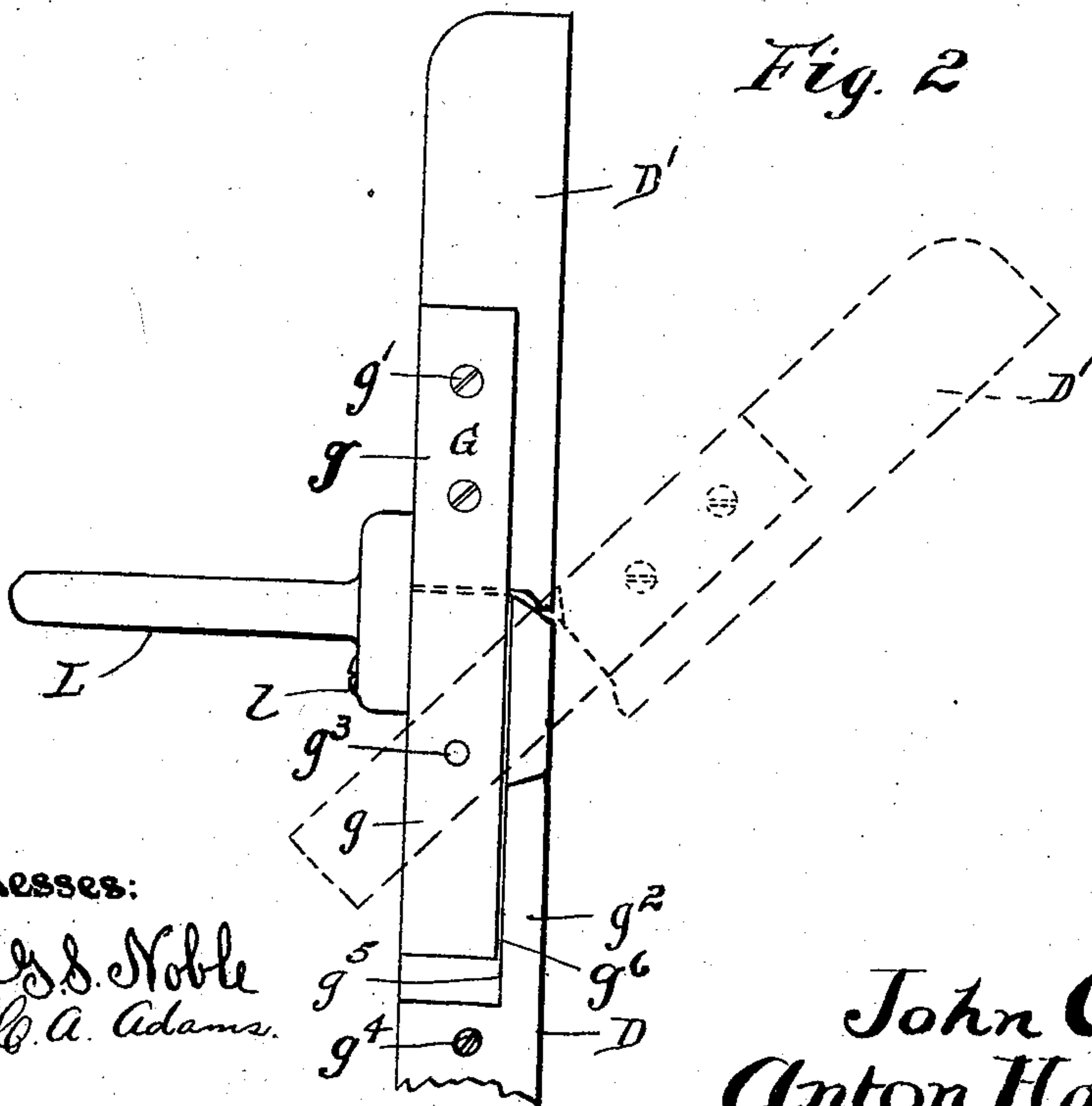


Fig. 2



Witnesses:

J. S. Noble  
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Inventors,

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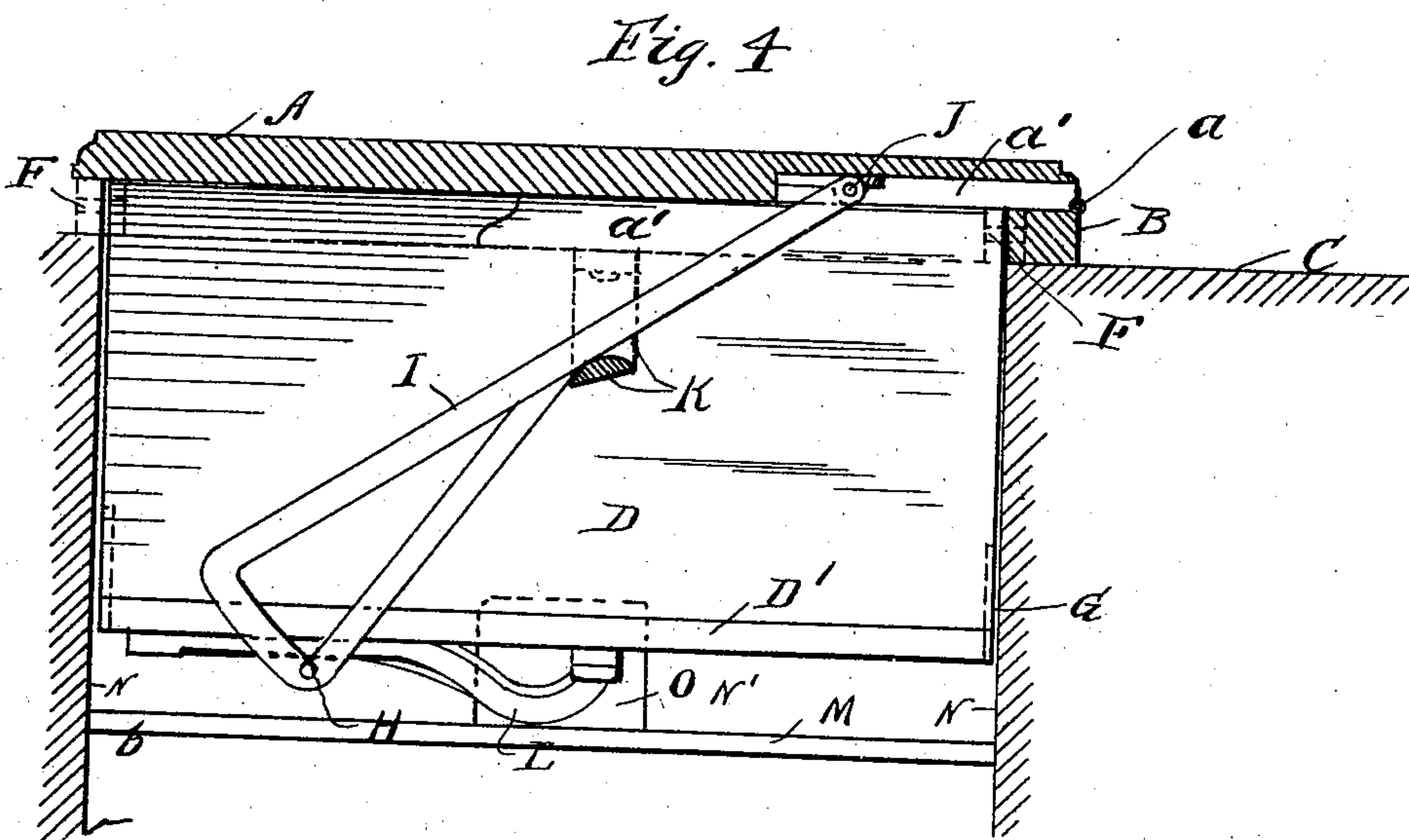
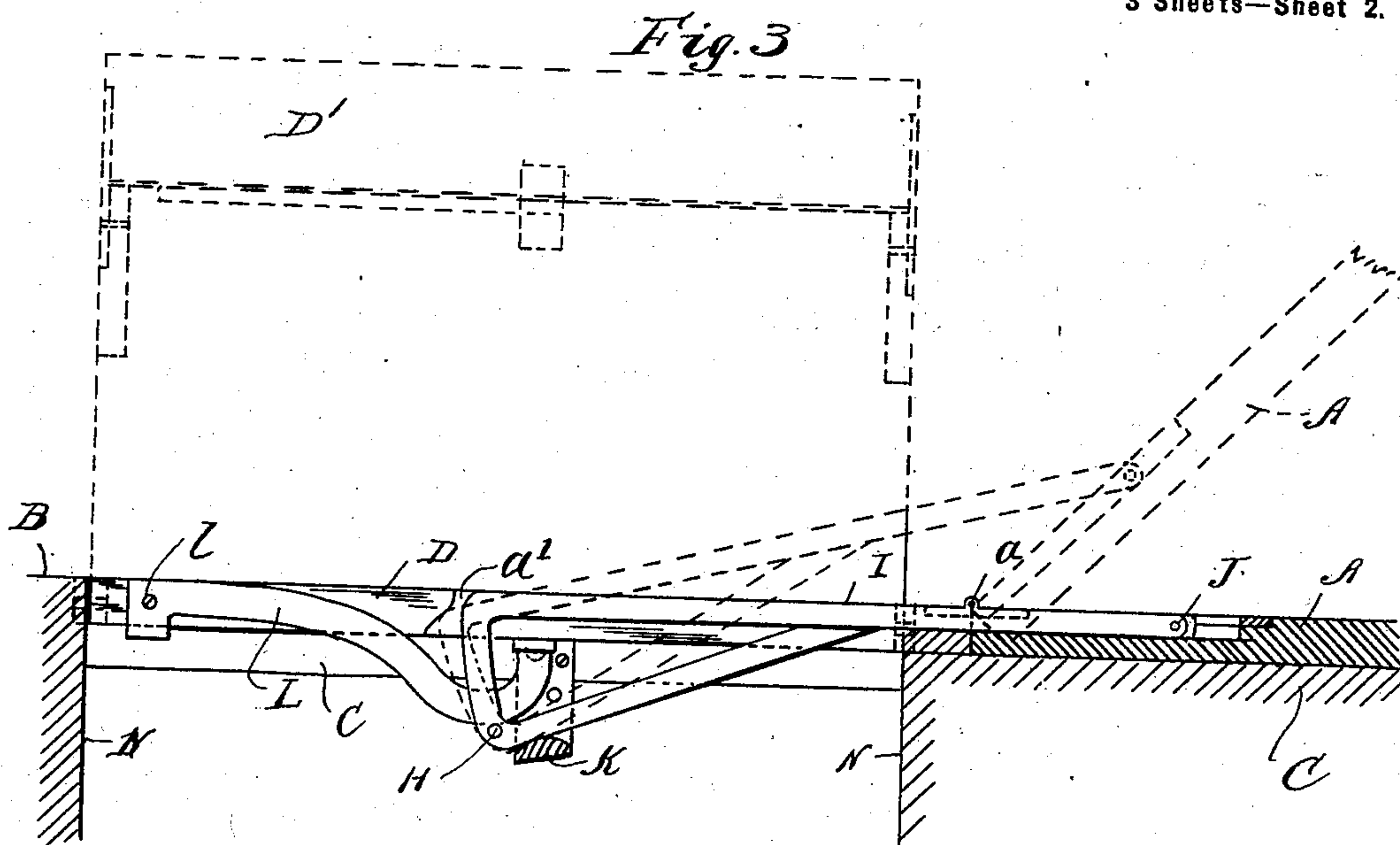
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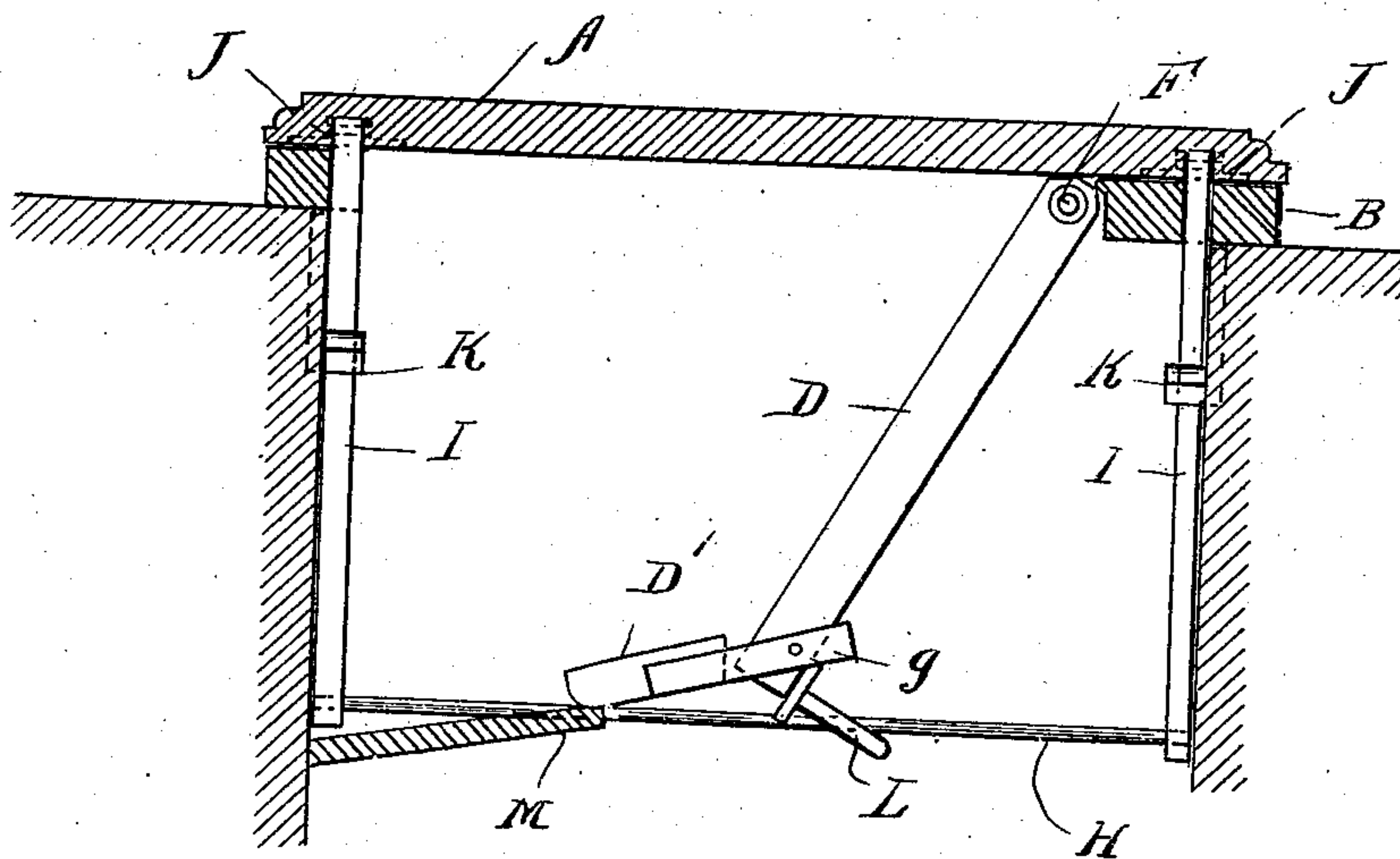
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3 Sheets--Sheet 3.

*Fig. 5*



**Witnesses.**

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# UNITED STATES PATENT OFFICE.

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## SEWING-MACHINE TABLE OR CABINET HEAD.

SPECIFICATION forming part of Letters Patent No. 710,042, dated September 30, 1902.

Application filed October 19, 1901. Serial No. 79,190. (No model.)

*To all whom it may concern:*

Be it known that we, JOHN CUBER and AN-  
TON HACKENBROCH, citizens of the United  
States, and residents of Chicago, county of  
Cook, and State of Illinois, have invented cer-  
tain new and useful Improvements in Sew-  
ing-Machine Table or Cabinet Heads, of  
which the following, when taken in connec-  
tion with the drawings accompanying and  
forming a part hereof, is a full and complete  
description, sufficient to enable those skilled  
in the art to which it pertains to understand,  
make, and use the same.

This invention relates to sewing-machine  
tables and cabinets known as "drop-leaf"  
cabinets in the art—that is, cabinets pro-  
vided with a hinged base-board for the sew-  
ing-machine to be used therewith, such base-  
board arranged to be dropped on its hinges,  
together with the sewing-machine attached  
thereto, below the top of the sewing-machine  
table or cabinet and so that a top-leaf to such  
table or cabinet may be closed over the ma-  
chine.

The object of this invention is to obtain a  
sewing-machine table or cabinet of the kind  
known in the art as a "drop-leaf" which will  
be simple in its construction, durable, and au-  
tomatic in action, so that when the top-leaf  
thereof is open the base-board for the sew-  
ing-machine will be brought into a horizon-  
tal plane in position so that the sewing-ma-  
chine thereon may be used.

A further object of this invention is to ob-  
tain a sewing-machine table or cabinet of the  
kind named wherein when the same is closed  
a chamber will be secured which is to a large  
extent dust-proof and in which chamber the  
sewing-machine will be contained.

We have illustrated a sewing-machine-ta-  
ble head embodying our invention in the  
drawings hereinbefore referred to, and in  
which—

Figure 1 is a top plan view of a sewing-ma-  
chine table embodying the invention with the  
top-leaf thereof open, such top-leaf having one  
end thereof broken away and the top of the  
table also having the several edges thereof  
broken away. Fig. 2 is a sectional view on  
line 2 2 of Fig. 1, viewed in the direction in-

dicated by the arrows, of one corner of the  
base-board of the sewing-machine table and  
of a leaf attached thereto, showing the man-  
ner of such attachment. Fig. 3 is a sectional  
view on line 3 3 of Fig. 1 viewed in the di-  
rection indicated by the arrows, the broken  
lines in Fig. 3 indicating the top leaf of the  
sewing-machine table and the levers con-  
nected thereto in the position assumed by  
such parts during the operation of opening  
up the sewing-machine table for use and also  
indicating the base-board of the sewing-ma-  
chine in a raised position, permitting inspec-  
tion of the under side thereof and of the un-  
der side of the sewing-machine secured to  
such base-board. Fig. 4 is a view on the  
same line as Fig. 3 is viewed with the top-  
leaf of the sewing-machine table closed and  
the sewing-machine base-board (hereinafter  
termed the "base-board") turned down. Fig.  
5 is a view in section, showing the swinging  
leaf in elevation at right angles to that shown  
in Fig. 4.

A reference-letter applied to designate a  
given part is used to indicate such part  
throughout the several figures of the draw-  
ings wherever the same appear.

A is a top-leaf of the sewing-machine-table  
head embodying our invention. *a a* are the  
hinges by means of which such top-leaf is at-  
tached to the stationary leaf or board B there-  
under, and *A' A'* are grooves in top-leaf A  
and in leaf B, in which the levers *I I* (here-  
inafter described) are contained when the  
sewing-machine table is open for use of the  
sewing-machine therein contained.

B is a leaf or board rigidly attached to table-  
top C. Leaf or board B is provided with a  
rectangular aperture *b* therein, in which ap-  
erture the base-board D and leaf D' of such  
base-board loosely fit when top-leaf A is open  
and such machine-board D and leaf D' are in  
a horizontal position, so that the sewing-ma-  
chine attached to such base-board may be  
used.

*E E* are broken lines, Fig. 1, indicating a  
sewing-machine on base-board D.

*F F* are the pivotal hinges on which the  
base-board D turns.

Leaf D' is attached to base-board D by



means of the pivotal hinges G G. Hinge G comprises strap *g*, attached to the end edges of the leaf D', as by screws *g'* *g'*, the casting *g*<sup>2</sup>, which is attached to the end edges of the base-board D, as by screws *g*<sup>4</sup> *g*<sup>4</sup>, and the pivot

*g*<sup>3</sup>, connecting the strap *g* to casting *g*<sup>2</sup>. *g*<sup>5</sup> is a line indicating a shoulder in casting *g*<sup>2</sup>, against which shoulder the upper edge of the strap *g* on the part thereof prolonged beyond the pivot *g*<sup>3</sup> (marked *g*<sup>6</sup>) may come in contact when the base-board D is in a substantially horizontal plane.

When the base-board D is down—that is, in substantially the position thereof illustrated in Fig. 4—the leaf D', attached to such base-board, is in substantially a horizontal position, resting on rod H, connecting the levers I I.

I I are levers pivotally attached at one end thereof, as by pivotal hinges J J, to the leaf A, and K K are brackets rigidly attached to the leaf B, so as to extend downward through aperture *b* in such leaf at the side edges thereof. The levers I I rest on the brackets K K. The shape of the levers I I and brackets K K and the relative position of such levers to the top-leaf A and the brackets K K are such that when the leaf A is opened into substantially a horizontal plane the upper surface of such levers are in substantially the same plane as the upper surface of the leaf A, with the levers resting in the grooves *a'* *a'*, respectively, and the base-board B is so related to such parts that at such time the base-board is in a horizontal plane in aperture *b* in leaf B.

L is a casting attached to one edge of the base-board G, as by screws *l* *l*. Casting L rests on connecting-rod H, and as such rod H is lowered by the closing of the leaf A the side or edge of base-board D to which such casting L is attached (being the side or edge of base-board D which is opposite to pivotal hinges F F) falls therewith, so that when such leaf A is closed—that is, in substantially the position thereof illustrated in Fig. 4—the base-board D is in position so that a sewing-machine attached thereto is beneath the under surface of such leaf A.

M, Fig. 4, is a bottom board forming, when taken in connection with the ends N N, side M', and the base-board D, a chamber which is comparatively dust-proof and in which chamber the sewing-machine secured on the base-board is at such time as top-leaf A is closed contained. The leaf A forms a cover to the aperture *b* when such leaf is closed. O is a stop on bottom board M, against which stop the casting L and base-board D, or one thereof, may rest when the leaf A is closed and the sewing-machine secured on the base-board D is lowered, as above described.

The sewing-machine secured on the base-board D is so placed that the front thereof is adjacent to the side of the table embodying this invention, which is marked P in Fig. 1.

Q Q are holes in base-board D, through

which the belt of the sewing-machine attached to such base-board may pass.

The operation of the sewing-machine table embodying this invention is: The several parts being in the position illustrated in Fig. 4 of the drawings, the top cover or leaf A is opened by being turned on its hinges *a a* into substantially the position thereof illustrated in Figs. 1 and 3. The turning of the top leaf A from the position thereof illustrated in Fig. 4 to such open position, as illustrated in Figs. 1 and 3, draws the levers I I over the brackets K K from the position of such levers illustrated in Fig. 4 into the position thereof illustrated in Figs. 1 and 3, thereby raising the connecting-rod H from the position thereof shown in Fig. 4 to the position thereof illustrated in Figs. 1 and 3. The raising of the rod H, as last above described, draws such connecting-rod H along the under side of casting L and at the same time raises such casting from the position thereof illustrated in Fig. 4 into the position thereof illustrated in side elevation in Fig. 3, and as such casting L is attached to the base-board D, as heretofore described, such base-board is turned on the pivotal hinges F F thereof from the suspended position (illustrated in Fig. 4) into substantially a horizontal position, as illustrated in Figs. 1 and 3.

When the top-leaf A is closed from the position thereof illustrated in Figs. 1 and 3 of the drawings into the position thereof illustrated in Fig. 4 of the drawings, the last hereinbefore-described operation is reversed and the base-board D, together with the sewing-machine thereon, is lowered beneath the top of the sewing-machine table embodying the invention, the base-board D being in substantially the position illustrated in Fig. 4 of the drawings, with the leaf D' attached to base-board D in substantially a horizontal plane.

The part L, hereinbefore referred to as a "casting," constitutes a curved bracket on the under side of the base-board D at the edge thereof opposite to the edge adjacent to which the pivotal hinges F F are placed.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a sewing-machine table, the combination of a top-leaf and a board thereunder, such board provided with an aperture therein, hinges connecting the top-leaf and the board thereunder, a sewing-machine base-board pivotally attached adjacent to one of the edges thereof to the first-named board, a bracket on the under side of the machine base-board adjacent to the edge of such base-board which is opposite the pivotal hinges thereof, depending brackets attached to the first-named board, levers pivotally attached at one of the ends thereof, respectively, to the hinged top-leaf, such levers resting on the depending brackets, a rod connecting the levers at the ends of such levers opposite the pivoted ends respectively on which connect-



ing-rod the bracket on the machine base-board rests and by which rod the position of the bracket and of the base-board is determined; substantially as described.

- 5 2. In a sewing-machine table, the combination of a top-leaf, a board thereunder, such board provided with an aperture there-  
through, hinges connecting the top-leaf and  
10 the board thereunder, a sewing-machine base-board pivotally attached adjacent to one of  
the edges thereof to the first-named board so  
as to be brought into the aperture in such  
board when in a horizontal plane, a leaf, piv-  
15 otal hinges connecting such leaf and the machine base-board, a bracket on the under side  
of the machine base-board adjacent to the  
edge of the base-board opposite to the piv-  
otal hinges thereof, depending brackets at-  
20 tached to the first-named board, levers piv-  
otally attached at one of the ends thereof,  
respectively, to the hinged top-leaf, such le-  
vers resting on the depending brackets, a rod  
connecting the levers, on which connecting-  
25 rod the bracket on the machine base-board  
rests and by which rod the position of the  
bracket and of the base-board is determined  
and on which rod, also, the leaf pivotally at-  
30 tached to the machine base-board rests when  
such machine base-board is suspended on its  
pivots; substantially as described.

3. In a sewing-machine table, the combina-

tion of a top-leaf, a board thereunder, such  
board provided with an aperture there-  
through, hinges connecting the top-leaf and  
the board thereunder, a sewing-machine base- 35  
board pivotally attached adjacent to one of  
the edges thereof to the first-named board so  
as to be brought into the aperture in such  
board when in a horizontal plane, a leaf, piv-  
40 otal hinges connecting such leaf and the machine base-board, such leaf forming an ex-  
tension of the machine base-board when such  
base-board is in a horizontal plane and form-  
ing a part of the dust-proof casing of the sew-  
ing-machine on the base-board, when such 45  
base-board is lowered, and a bottom board  
extending substantially in a horizontal plane  
from the ends of the table and from the back  
side of the table to contact with such leaf  
when the machine base-board is down, a 50  
bracket on the underside of the machine base-  
board and a connection between the top  
hinged leaf and such bracket whereby the  
raising and lowering of the machine base-  
board is effected by the opening and closing 55  
of the hinged top-leaf; substantially as de-  
scribed.

JOHN CUBER.

ANTON HACKENBROCH.

In presence of—

F. PATZACK,

CHARLES TURNER BROWN.