

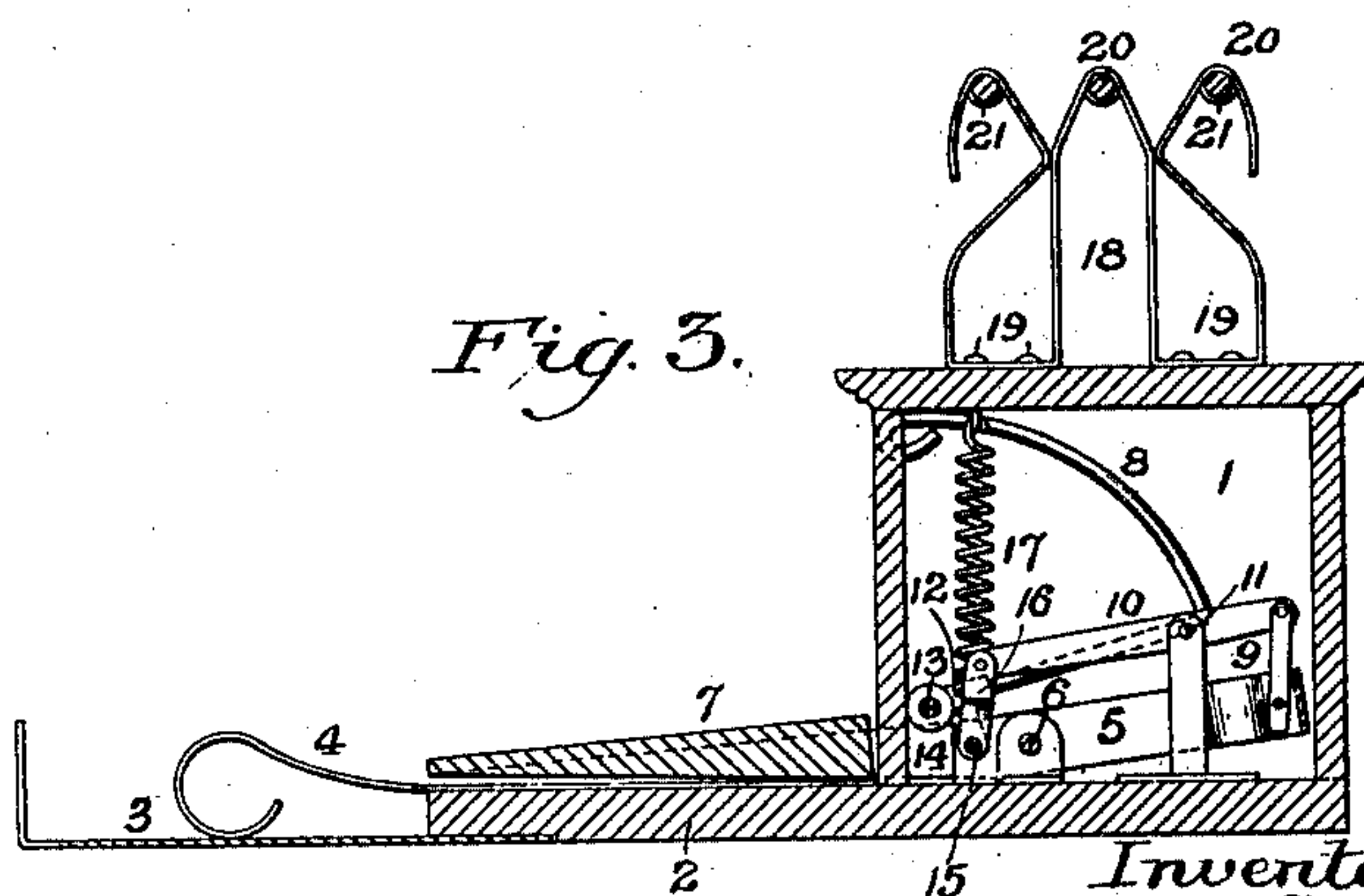
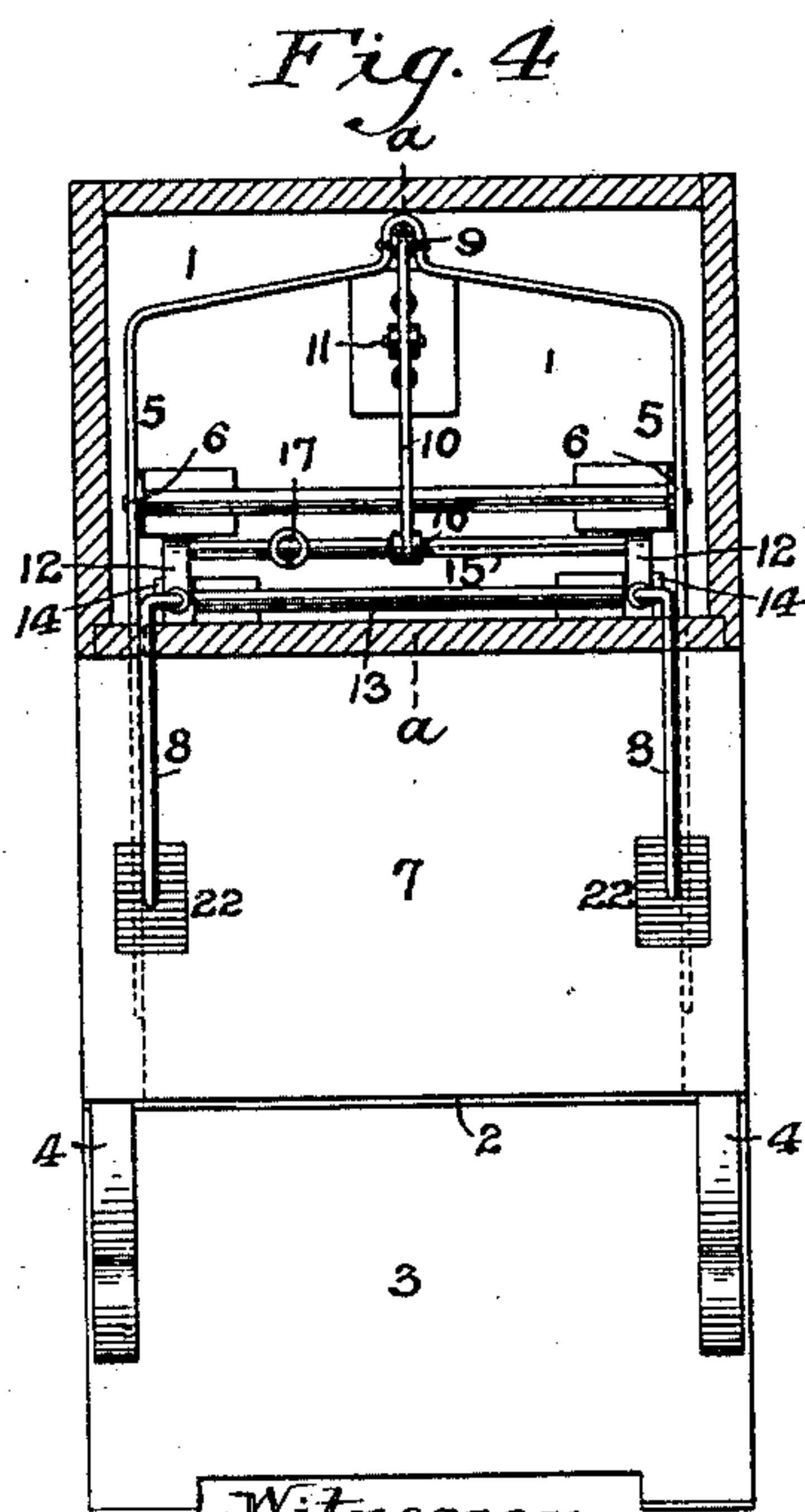
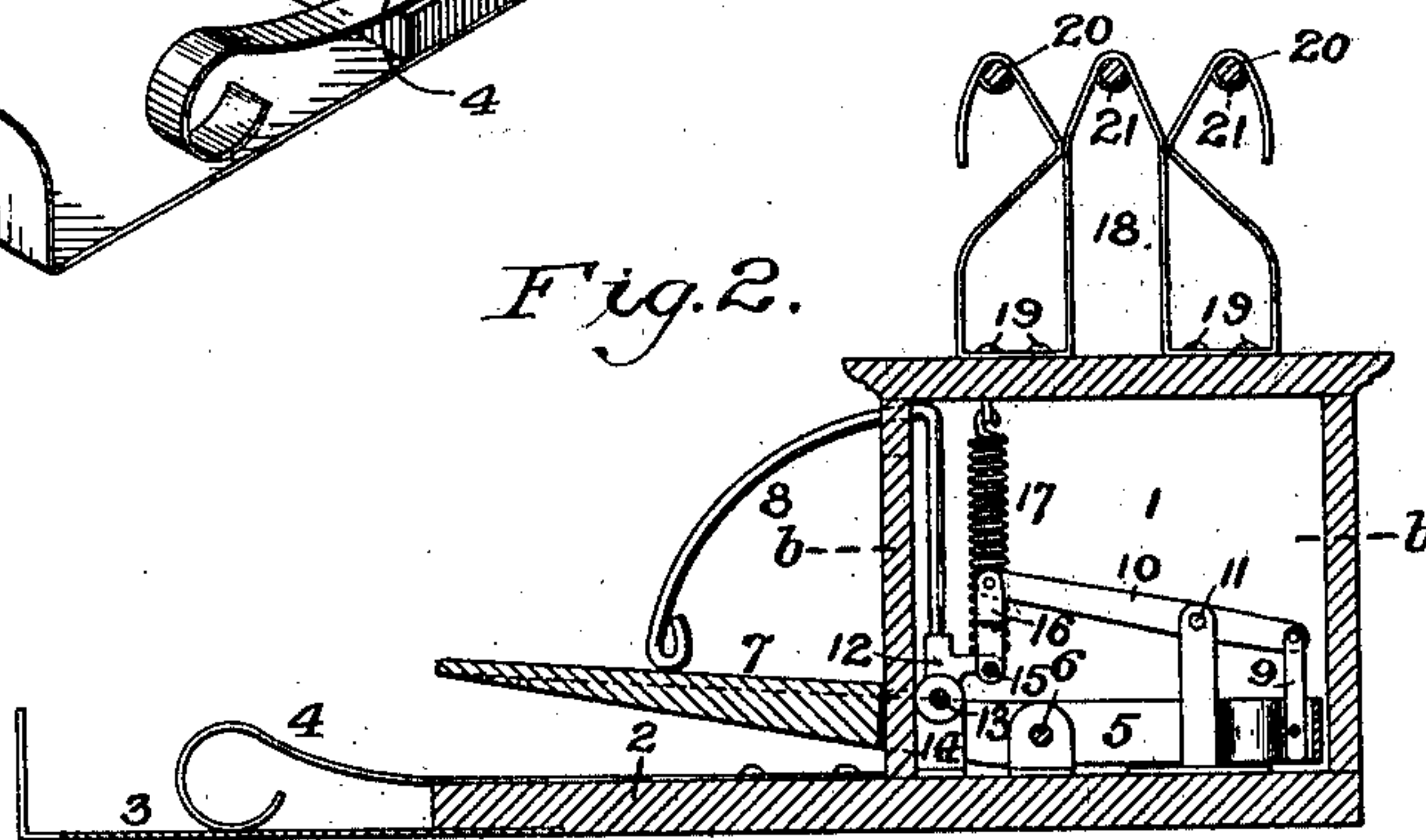
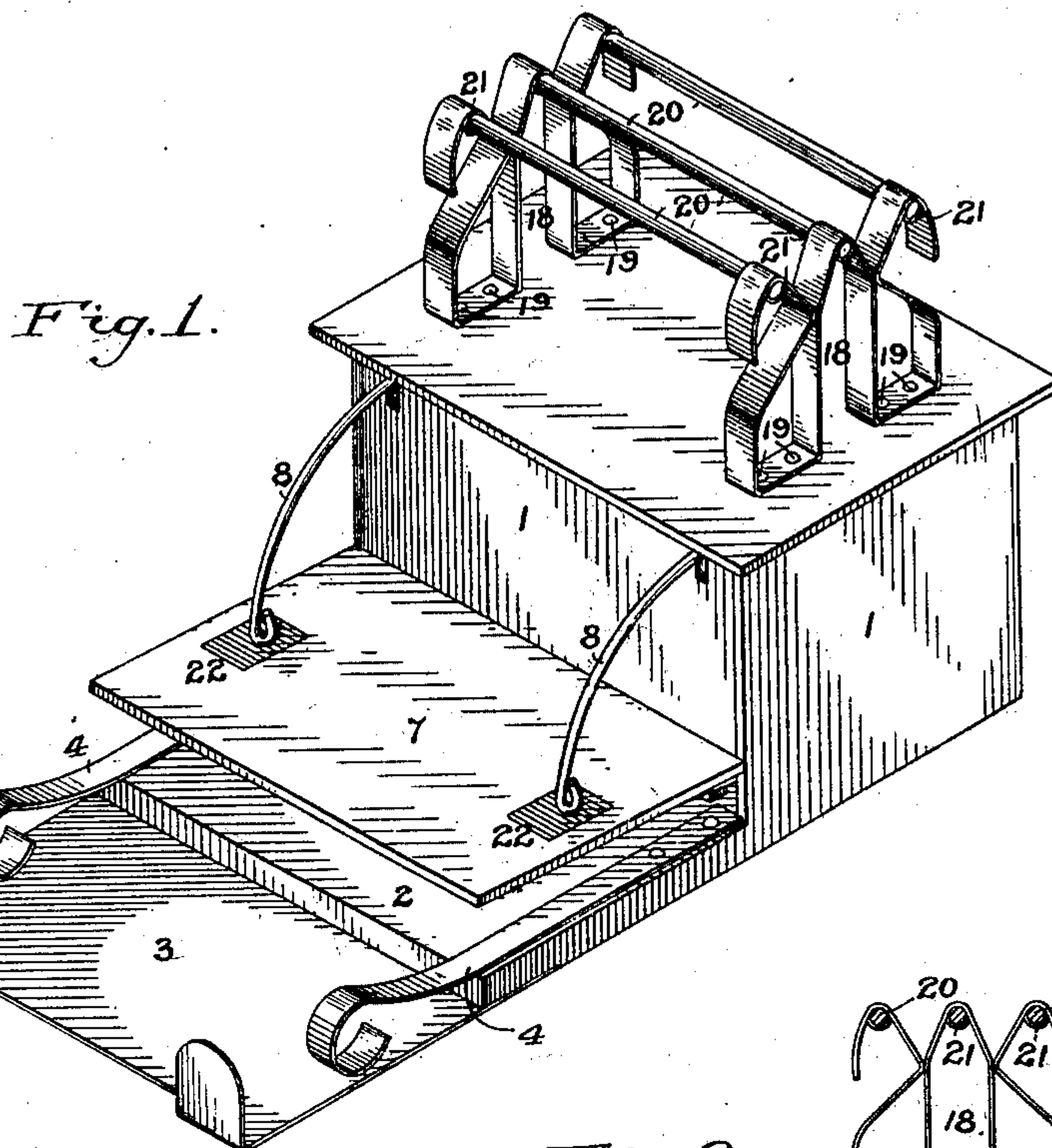
No. 693,708.

Patented Feb. 18, 1902.

U. G. HILLMAN.
PAPER HOLDING STRUCTURE.

(Application filed May 3, 1901.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

ULYSSES G. HILLMAN, OF WOODSTOWN, NEW JERSEY.

PAPER-HOLDING STRUCTURE.

SPECIFICATION forming part of Letters Patent No. 693,708, dated February 18, 1902.

Application filed May 3, 1901. Serial No. 58,669. (No model.)

To all whom it may concern:

Be it known that I, ULYSSES G. HILLMAN, a citizen of the United States, and a resident of Woodstown, Salem county, New Jersey, have invented certain Improvements in Paper-Holding Structures, of which the following is a specification.

My invention relates to that class of structures designed for the purpose of holding papers, bills, checks, notes, and the like; and it consists of an improved cabinet particularly adapted for use by bank-clerks handling large numbers of checks and other papers or for other persons handling series of paper memorandums, bills, &c.

My improved cabinet comprises fixed tension devices for holding down a pile of checks, bills, or other papers and mechanically-operated fingers for holding down such papers after they have been transferred from their original position.

My invention is fully illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the cabinet forming the subject of my invention. Fig. 2 is a longitudinal sectional view of the same, taken on the line *a a*, Fig. 4. Fig. 3 is a similar sectional view showing the operating mechanism in a different position; and Fig. 4 is a plan view of the structure, partly in section, taken on the line *b b*, Fig. 2.

The structure forming the subject of my invention consists of the casing 1, having a front extension-base 2, at the front of which base an extension-plate 3 is arranged. This plate 3 may be so constructed as to be adjustable from and toward the base extension 2.

Carried by the base extension 2 are the spring-clips 4, maintained in a fixed position and serving to hold down a pile of checks, bills, or other paper memoranda. Carried by arms 5, pivoted at 6 within the casing 1, is a depressible shelf or platform 7, arranged directly above the base extension 2. This shelf or platform is adapted to receive the checks or other paper memoranda after they have been removed from the pile held down by the spring-clips 4. Contacting with the shelf 7 is a series of fingers 8, which serve to hold upon said shelf any paper laid thereon. These fingers are raised by mechanism located within the casing, such mechanism being oper-

ated by the depression of the shelf 7. The arms 5, supporting the shelf 7, are joined at the rear, and pivoted to said arms at this point is a link 9, which is connected to one end of a lever 10, pivoted at 11 within the casing 1. The fingers 8 are carried by bell-crank levers 12, one end of each of which is secured to a shaft or cross-bar 13, which latter is carried by brackets 14 within the casing 1, the other ends of said bell-crank levers being connected by means of a cross-bar 15, with which the opposite end of the lever 10 is connected by a link 16. To maintain the fingers 8 in their normal position, as shown in Figs. 1 and 2, a spring 17 is employed, the upper end being secured to the top of the casing, while the lower end is hooked around the cross-bar 15. By pressing down on the shelf 7 the bell-crank levers 12 will be turned by the lever 10 and its connections through the medium of the arms 5, and the fingers 8 will be raised, permitting the placing of any paper upon said shelf. As soon as the shelf is released the fingers will contact therewith, and they will be held in that position by means of the spring 17.

The means just described provide for the handling of the checks from the extension-plate 3, where they are held down by the fixed spring-clips 4, to the depressible shelf 7, where such checks are held down by the fingers 8, controlled by said shelf 7. After a number of checks or other papers have been sorted and placed upon the shelf 7 and it is desired to dispose of a pile of the same, so that said shelf may be free to receive another pile, I provide the holding device secured to the top of the casing 1. This structure comprises the end frames 18 made of spring metal, secured to the top of the casing at 19, which end frames have the cross-bars 20, soldered to the end pieces at 21. This structure provides two holding-places for the checks or papers, and being made of spring metal a large number of checks or other papers may be held by the same.

At the point where the fingers 8 contact with the shelf 7 I prefer to inset small pieces of rubber, cork, or other suitable material, so that no noise will be occasioned by the striking of said fingers against the shelf when the latter is released.

Although I have shown and described here-
with special mechanism for operating the fin-
gers 8 by the depression of the shelf 7, I do
not wish to limit myself to this precise con-
struction, as any suitable means may be em-
ployed that will insure the rise and rearward
movement of said fingers 8 upon the depres-
sion of the shelf 7.

The structure which I have devised may
be used in the following manner: A bank-
clerk, for instance, wishes to take down the
memoranda from the faces of a series of
checks. He takes a pile of such checks and
places them upon the extension-plate 3, where
they will be held down by the spring-clips 4.
As fast as he has noted the matter desired
from the face of the check he can remove the
same from the clips 4 by one hand, and plac-
ing this same hand with the check in it upon
the shelf 7 said check will lie partly across
the fingers 8. Now by pressing down upon
said shelf the said fingers will be raised,
permitting the check to lie flat, and when
the hand is removed to release the shelf the
latter will rise and the fingers will move for-
ward and contact with and hold the check
thereon. This operation is done entirely with
one hand, leaving the other hand free to use
memoranda pads, books, pen or pencil, &c.,
or other means to receive the matter tran-
scribed from the face of the checks or other
papers. The operation may be repeated un-
til the shelf 7 is so low that its downward
movement will not be sufficient to raise the
fingers 8.

Having thus described my invention, I
claim and desire to secure by Letters Pat-
ent—

1. The combination in a structure of the
character described, of the casing, an extend-
ed base carried thereby, a front extension car-
ried by said base adapted to receive a pile of
papers, a depressible shelf carried by the cas-
ing and serving also to receive the papers, fin-
gers for holding such papers to the shelf, and
means located within the casing for raising
said fingers when said shelf is depressed.

2. The combination in a structure of the
character described, of a casing, a depressible

shelf carried thereby, holding members nor-
mally in contact with said shelf, mechanism
within the casing for raising said holding
members when the shelf is depressed, and an
extension carried by said casing providing for
the reception of papers.

3. The combination in a structure of the
character described, of the casing, a depressi-
ble shelf carried by said casing, arms carry-
ing said shelf pivoted within the casing, fin-
gers coacting with said shelf, supports for said
fingers pivotally mounted in the structure,
means for holding the fingers in contact with
the shelf, and a connection between the shelf-
supporting arms and the finger-supports
whereby said fingers will be raised as the shelf
is depressed.

4. The combination in a structure of the
character described, of the casing, a depressi-
ble shelf carried thereby, arms pivoted with-
in the casing and supporting said shelf, a se-
ries of fingers coacting with said shelf and
normally held in contact with the same, bell-
crank levers pivotally mounted within the
casing and carrying said fingers, means for
supporting said bell-crank levers whereby the
shelf and fingers will be maintained in con-
tact with each other, and a lever connecting
the shelf-supporting arms and said bell-crank
levers whereby the fingers will be raised as
the shelf is depressed.

5. The combination in a structure of the
character described, of the base or other suit-
able support, a depressible shelf carried
thereby, said shelf being pivoted at one end
to the base, movable fingers also pivoted to
the base and contacting with the shelf, said
fingers being provided near the pivot-point of
the shelf, and a connection between said shelf
and the fingers whereby the latter will be
moved up and away from the shelf when said
shelf is depressed.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

ULYSSES G. HILLMAN.

Witnesses:

WM. Z. FLITCRAFT,

MISSOURI H. HILLMAN.