

967,549.

Patented Aug. 16, 1910.

2 SHEETS—SHEET 1.

Fig. 1.

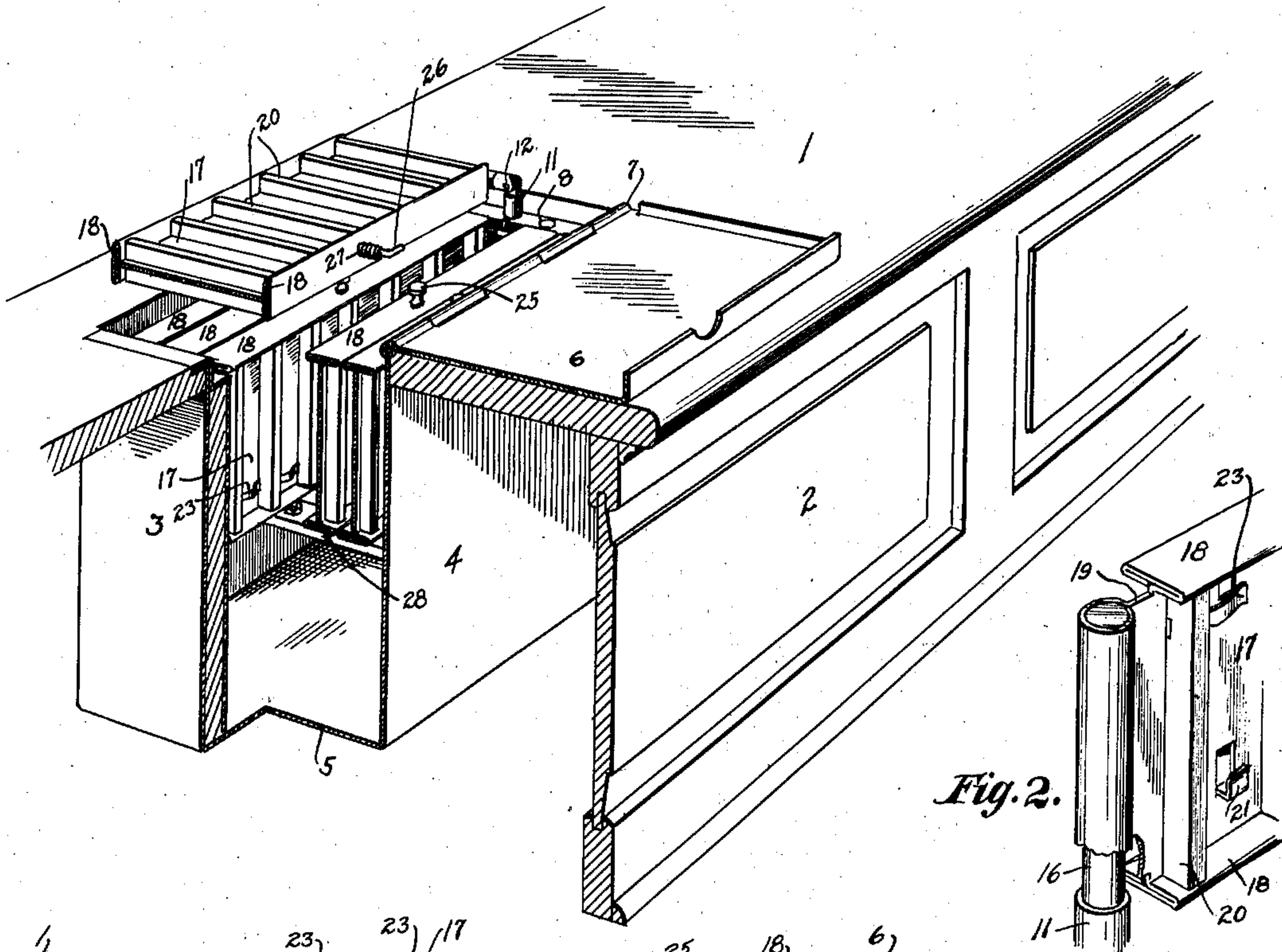


Fig. 2.

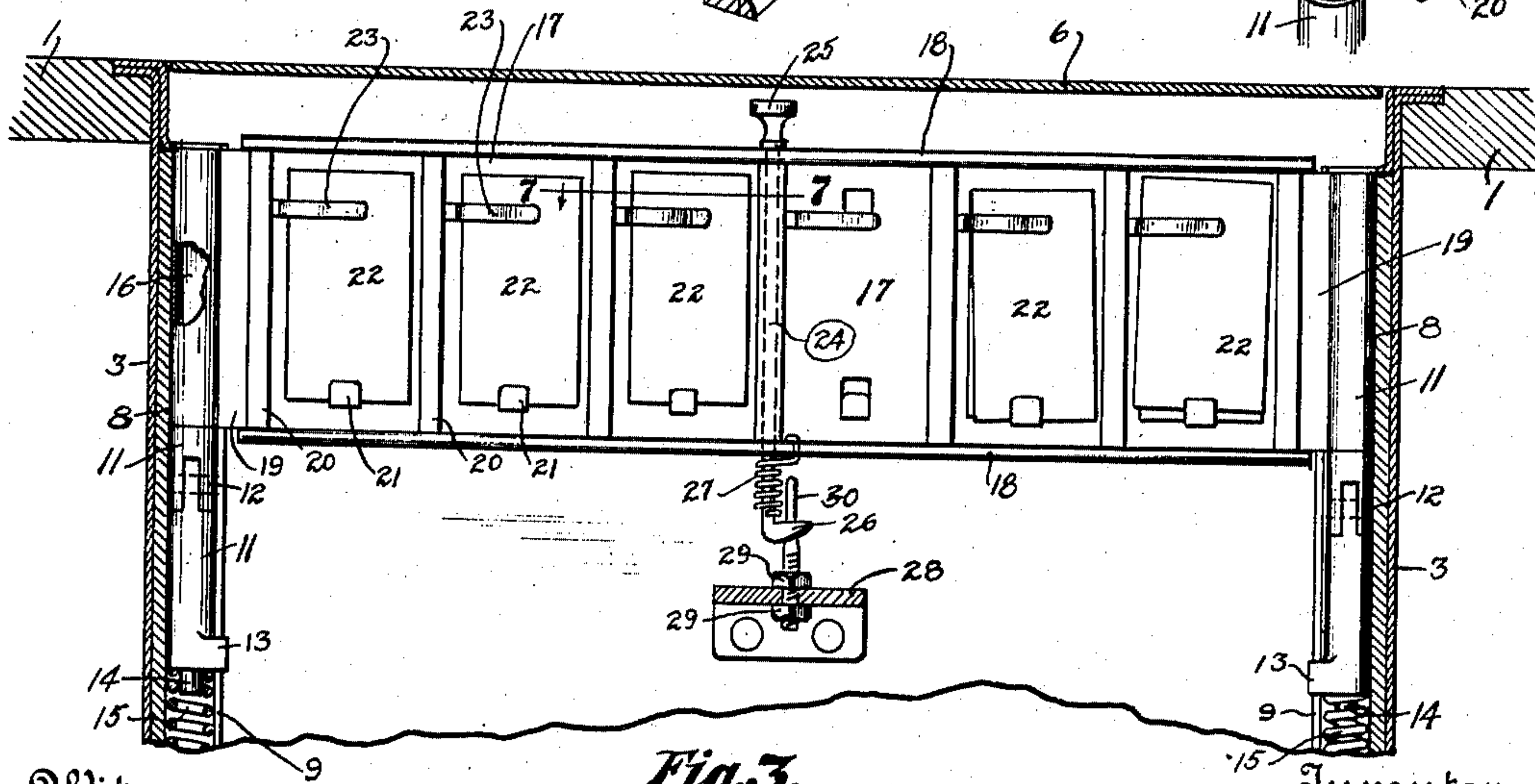


Fig. 3.

Witnesses
Jos. J. Hester.
Sylvia Boron.

Inventor
Fredolf J. Peterson
By Bond & Miller
Attorneys

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2 SHEETS—SHEET 2.

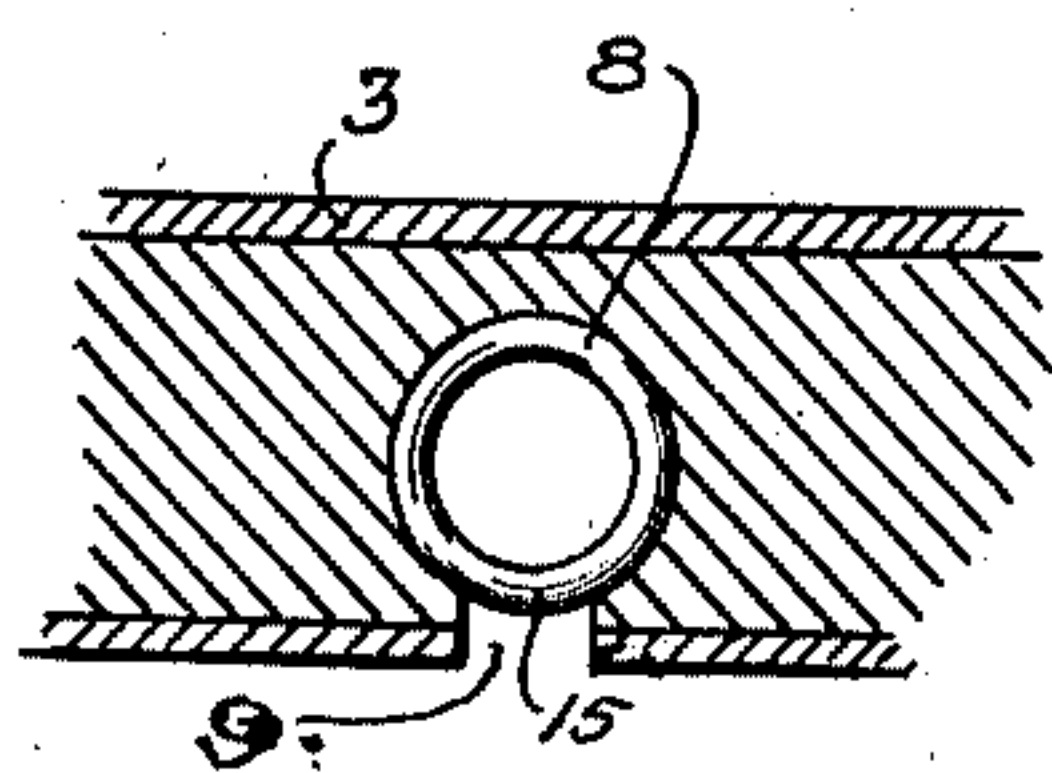


Fig. 5.

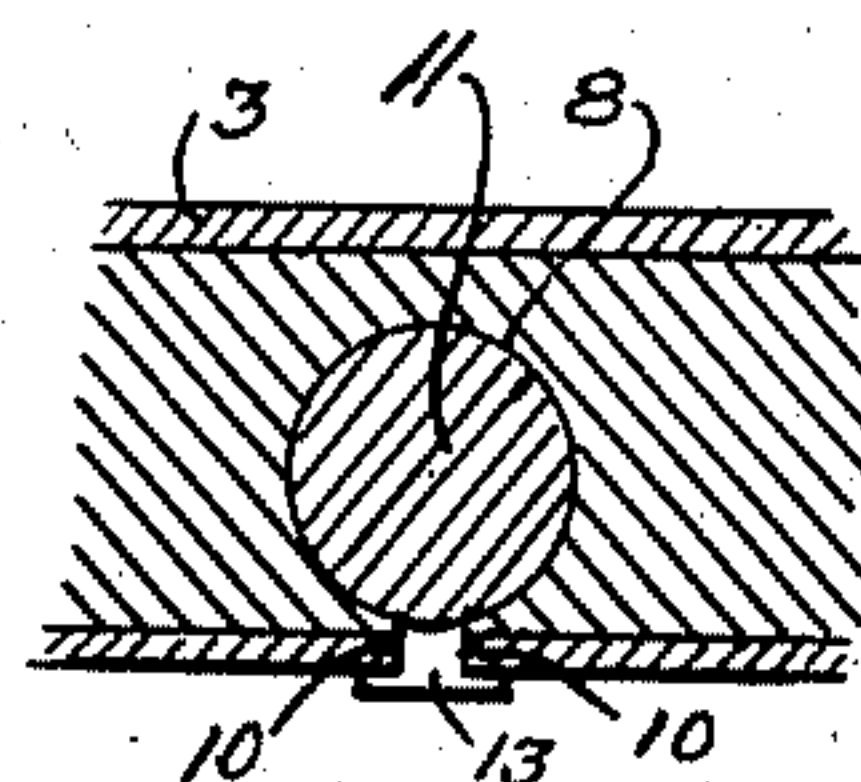


Fig. 6.

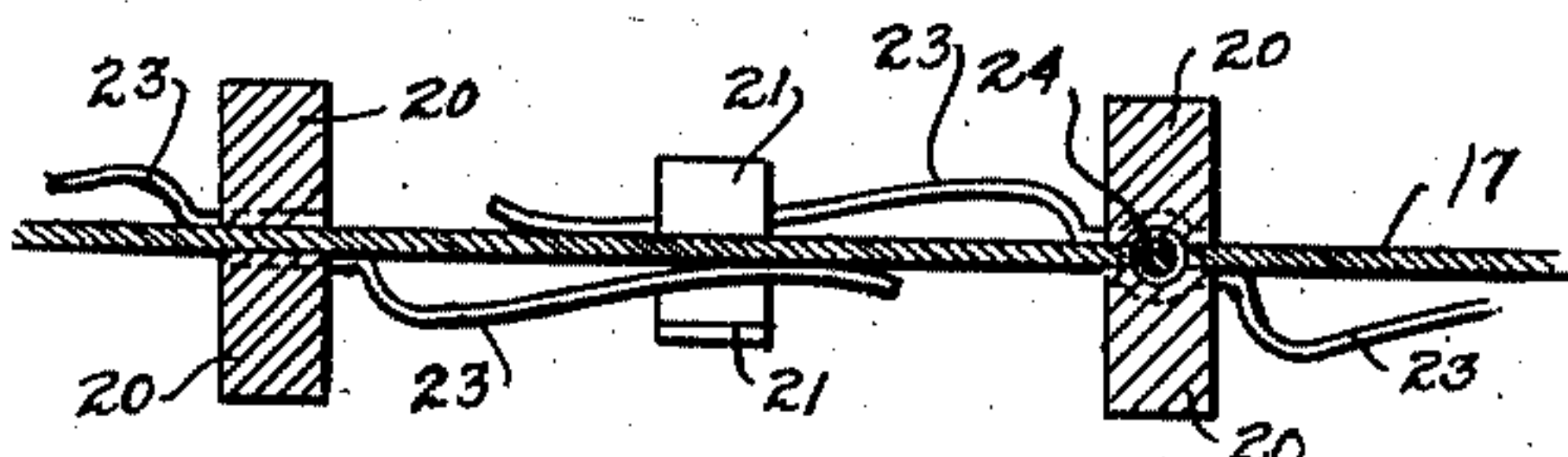


Fig. 7.

Witnesses
Joe J. Haskins
Sylvia Boron.

Inventor
Friedolf J. Peterson
By Bond & Miller
Attorneys

UNITED STATES PATENT OFFICE.

FREDOLF J. PETERSON, OF SALEM, OHIO.

CREDIT-REGISTER.

967,549.

Specification of Letters Patent.

Patented Aug. 16, 1910.

Application filed July 23, 1909. Serial No. 509,203.

To all whom it may concern:

Be it known that I, FREDOLF J. PETERSON, a subject of the King of Sweden, residing at Salem, in the county of Columbiana and State of Ohio, have invented a new and useful Credit-Register, of which the following is a specification.

My invention relates to improvements in devices for conveniently storing and handling records, blanks, samples, etc., and is especially adapted for the filing of charge slips in mercantile establishments, such devices being commonly called credit registers; and the objects of my improvement are to provide a more conveniently operated and substantial device of the character mentioned, to increase the efficiency and serviceability and to generally improve devices of this character. I attain these objects, together with other objects which will be readily apparent to those skilled in the art by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a counter provided with one of my credit registers, a portion of said counter and of said register being broken away to more fully disclose the construction. Fig. 2 is a perspective view showing one end of a leaf and its connection to the sliding support. Fig. 3 is a vertical sectional view of the device, showing one of the leaves in elevation and the various connecting and related parts. Fig. 4 is a vertical sectional view of the device, the same being taken on a plane transverse to the normal plane of the leaves. Fig. 5 is a sectional view on the line 5—5 of Fig. 4. Fig. 6 is a sectional view on the line 6—6 of Fig. 4. Fig. 7 is a sectional view on the line 7—7 of Fig. 3.

Throughout the several views similar numerals of reference indicate similar parts.

The numeral 1 indicates the top and the numeral 2 the front side of an ordinary counter such as usually employed in stores and the like and over which the goods are sold. The device embodying my invention is adapted to be let into the top of the counter so that when closed the entire device will be below the top surface of said counter, which arrangement is illustrated in the drawings.

The numeral 3 indicates the end walls, the numeral 4 indicates the side walls, the numeral 5 indicates the bottom and the numeral 6 indicates the cover of a case or cabi-

net, preferably constructed of sheet metal for the purpose of rendering the same fire proof and of substantial quality. The cover 6 is preferably hinged to one of the side walls, as shown in Fig. 1, by a suitable hinge 7 upon which the said cover may turn into the open position illustrated in said figure. In the end walls 3 the vertically disposed barrels 8 are provided, which barrels extend from the top of the said end walls to the bottom of the same, and the slots 9 extend from the inner surface of each end wall into the barrels, the said slots being of uniform width from top to bottom. At the extreme upper end of each slot the stop lugs 10, formed integrally with the wall 3 extend toward each other with but a slight cleft between them for the purpose hereinafter to more fully appear.

Arranged in each barrel is a sliding support 11 consisting of upper and lower portions pivotally connected together at the point 12, the said support being adapted to freely slide vertically within said barrel, and the lower portion provided with an integral lug 13 extending through the slot 9 and adapted to engage the stop lugs 10 at the upper limit of said slot, as illustrated in Fig. 4. The lower portions of the supports 11 are also provided with the spring centering pins 14 upon each of which is arranged the upper end of a compressible coiled spring 15 arranged in the barrel 8, the other end of said spring resting upon the bottom of said barrel, and the tension of said spring being such as to normally extend the spring to move the support upwardly.

The upper portion of each sliding support 11 is provided with the reduced portion 16 for the purpose hereinafter disclosed. Each of the leaves is formed principally of sheet metal and includes the body 17 which extends from end wall to end wall across the case or cabinet, and the ends of which are wrapped about the reduced portion 16 of the sliding supports as illustrated in Figs. 2 and 3 for the purpose of firmly connecting the leaf to one of the supports at each end. At the top and bottom edges of each leaf are the integral edge flanges 18 formed by bending a portion of the body outwardly at right angles to said body, returning or folding the same upon itself in a plane at right angles to the body of the leaf to a point upon the opposite side of said leaf corresponding to the extension of the first mentioned bent por-

tion, and again returning or folding the same to the place of beginning of said flange adjacent the body 17, as well illustrated in Fig. 2. The said edge flanges terminate
 5 short of the ends of the leaf, thus providing the web portion 19 intermediate the main portion of the leaf and the portion wrapped about the support 11, said web portion being adapted to extend through the slot 9. From
 10 the description of the edge flanges just above given it will be understood that at the top and bottom edges of each leaf said flanges project outwardly on both sides producing the structure illustrated in cross-section in
 15 Fig. 4. Upon each side of the leaf and extending from one edge flange to the other is a series of division strips 20 connected to the body 17 and dividing each side of the leaf into a number of divisions or pockets.

20 Stamped from the body 17 are slip holding brackets 21 which include a portion extending substantially vertically from the body 17 and an integral finger or retaining
 25 portion bent at an angle to said first mentioned portion and adapted to retain credit slips 22 or other papers to be filed in place upon the body 17 by over-lying the bottom
 30 edge of the same, the upper portion of said credit slips being held in place by a suitable spring clip 23, one end of each of said clips being connected to the body 17 as for in-
 35 stance by inserting the same under one of the strips 20, as illustrated in Fig. 7, and the other end adapted to bear against the body
 40 17 with a spring action, permitting the free end of said clip to be sprung out of engagement with the said slips 22 when it is de-
 45 sired to insert or withdraw said slips from the file. The leaf at the extreme right hand side in Fig. 4 is shown in section on a plane
 50 cutting the brackets 21 thereon and it will be seen that at one edge of the leaf the bracket extends to one side of the same, while at the other edge of the leaf the bracket ex-
 55 tends to the other side. This construction is also illustrated in Fig. 3 where it will be noted that the brackets holding the lower edges of the slips 22 in place project front-
 60 wardly, while no brackets project frontwardly at the upper portion of said leaf, the brackets at said upper portion projecting to the opposite side to support the lower edges of the slips in the divisions or pockets on the
 65 said other side of said leaf. The reason for this arrangement is that when the leaves are raised to their upper position and pivotally adjusted to turn one side or the other of the same upwardly, as illustrated in Figs. 1 and 4, one edge or the other of the said leaf will
 be turned toward the operator, depending upon whether the operator turns one or the other of the sides of said leaf upwardly. It should be noted in connection with Fig. 4 that the leaves in said figure other than the
 leaf at the extreme right are shown on planes

differing from the plane on which the right hand leaf is shown, the said leaves being broken away on a plane farther removed for the purpose of more fully disclosing the construction.

70 Extending vertically through each leaf at a point intermediate the ends thereof is a rotatable release rod 24 provided at its upper end with a knob 25 and provided at its
 75 lower end with a right angled hook portion 26. Connected at one end to the lower edge of the leaf, wound about the rod 24, and having its other end connected to the said
 80 rod is a coiled spring 27 adapted to normally hold the hook portion 26 in a plane parallel with the plane of the leaf. It will be understood that by grasping the knob 25 the rod 24 may be rotated against the
 85 tension of the spring 27, to throw the hook portion 26 out of the plane mentioned. Connected to the side walls 4 and extending transversely across the cabinet is the lower
 90 hook support 28, which consists preferably of a strip or bar of metal. Adjustably connected to said support by means of the nuts 29 are the lower hooks 30, one of said hooks
 95 being arranged under each one of the leaves in the device and each hook standing in a plane transverse to the plane of the leaf above it. Each of the hooks 30 is also pro-
 100 vided with an upper beveled portion 31 against which the hook portion 26 is adapted to bear in the return of the leaves to their lower locked position.

105 Assuming the leaf and hooks to be in the position illustrated in the right hand leaf in Fig. 4, if the knob 25 is rotated the hook 26 will be thrown out of engagement with the hook 30 and the springs 15 under the
 110 sliding supports to which said leaf is connected will immediately raise said supports with said leaf into its extreme upper position until the lugs 13 upon said supports engage the stop lugs 10. The leaf may then be
 115 turned forwardly or backwardly upon the pivotal points 12, thus permitting the operator to have access to either side of said leaf. In returning the leaf to its lower locked position it is only necessary to raise the same
 120 into a vertical position and press downwardly, against the tension of the springs 15, when the hook portion 26 will engage the portion 31 of the hook 30, thus causing the hook portion 26 to rotate sufficiently to permit it to properly engage the hook 30,
 125 when the spring 27 will maintain the hooks in engagement until the knob 25 is again turned.

Any number of leaves may be arranged in series in a single cabinet, and each leaf may
 130 contain any desired number of divisions, in accordance with the needs of the user. The walls of the cabinet may be formed of heavier construction than that illustrated in the drawings if desired for the purpose of

more thoroughly resisting fire or other damaging agents, various other changes of detail in the construction may be employed without departing from the spirit of the invention.

I claim: —

1. A credit register comprising walls provided with barrels and having slots extending from the inner surface of each wall into said barrels, sliding supports located in said barrels, said supports consisting of upper and lower portions pivotally connected together, a compressible coiled spring arranged in each barrel and adapted to normally hold the supports in their extreme upper position, sheet metal leaves, the ends of each leaf wrapped about the upper portion of a sliding support at each end, integral edge flanges upon the top and bottom edges of each leaf, said flanges projecting outwardly on both sides of said leaf, said flanges terminating short of the ends of said leaf, means for detachably connecting papers to said leaves, means for limiting the upward movement of said sliding supports within said barrels and means for locking said leaves in the cabinet in their lower position.

2. A credit register comprising barrels having slots in the sides thereof, supports located in said barrels, said supports consisting of upper and lower portions pivotally connected together, said supports adapted to slide within said barrels, means adapted to normally hold the supports in their extreme upper position with respect to said barrels, leaves, the ends of each leaf connected to the upper portion of one of said supports at each end, means for detachably holding papers on said leaves, means for limiting the upward movement of said supports within said barrels and means for locking said leaves in position with the said supports in their extreme lower position.

3. A credit register comprising a cabinet provided with side and end walls and bottom and removable cover, a series of leaves provided with paper holding devices arranged in said cabinet, said leaves being vertically disposed therein, guide ways arranged in said cabinet, vertically sliding supports comprising upper and lower portions pivotally connected together arranged in said guide ways, said leaves connected to said slidable supports, and means for limiting the upward sliding movement of said supports in said guide ways.

4. A credit register comprising a cabinet having a removable cover and adapted to be let into the top of a counter, a series of credit slip holding leaves arranged in said cabinet and connected to vertically sliding supports, each of said leaves being adapted to be raised vertically out of said cabinet by its supports and to be pivotally turned to bring

either of its sides upward while maintaining its attachment to said slidable supports in said cabinet and means adapted to automatically move said vertically sliding supports into the raised position.

5. In a device of the character described the combination of a cabinet provided with a removable cover, a series of credit slip holding leaves arranged in said cabinet, said leaves adapted to be raised vertically from said cabinet, means for guiding said leaves in the said vertical movement, means for limiting said vertical movement, pivotal connecting means between said guiding means and said leaves for permitting said leaves to be pivotally turned when they have been raised to their extreme upper position and means adapted to automatically move said leaves into the said extreme upper position.

6. A credit register comprising vertically disposed barrels having slots extending through the sides of the same, stop lugs at the end of said slots, a sliding support in each barrel consisting of upper and lower portions pivotally connected together, said support adapted to slide vertically within said barrel and the lower portion of said support provided with a lug extending through the slot in said barrel and adapted to engage the said stop lugs, a coiled spring arranged in each barrel adapted to raise the sliding support to its extreme upper position, leaves of sheet metal, each leaf having its ends connected to the upper portion of a sliding support at each end, said leaves having integral edge flanges projecting outwardly from the body of the leaf, division strips extending from edge flange to edge flange, integral slip holding brackets stamped from said leaf, slip holding clips attached to said leaf, a release rod connected to each leaf and provided with a knob and a hook portion, means for normally holding said hook portion in a plane parallel with the plane of the leaf, a hook support, and hooks connected to said support each of said hooks adapted to engage the hook portion of the release rod.

7. A credit register comprising a cabinet, barrels having slots extending through the sides of the same arranged in said cabinet, a sliding support arranged in each barrel and consisting of upper and lower portions pivotally connected together, said support adapted to slide vertically within said barrel, means for limiting the said sliding movement, means engaging each sliding support adapted to move the same to its extreme upper position, leaves having portions extending through the slots in the barrels and having their ends connected to the upper portions of said sliding supports, and means for detachably connecting papers to said leaves.

8. A credit register comprising barrels having slots extending through the sides of

the same, a sliding support arranged in each barrel consisting of upper and lower portions pivotally connected together, said support adapted to slide within said barrel, means for limiting the sliding movement of said support, means adapted to move each sliding support to its extreme upper position, leaves, having their ends connected to the upper portions of said sliding supports, means for detachably connecting papers to said leaves, releasing means connected to each leaf, and stationary means adapted to cooperate with said releasing means, whereby said leaf may be temporarily held in its inner-most position or released from the same.

9. A credit register comprising barrels having slots in the sides thereof, supports located in said barrels, said supports consisting of upper and lower portions pivotally connected together, said supports adapted to slide within said barrels, means adapted to normally hold the supports in their extreme upper position with respect to said barrels, leaves of sheet metal, each leaf comprising a body portion having its ends wrapped about the upper portions of the sliding supports, said leaves having integral edge flanges projecting outwardly at their top and bottom edges, said flanges on each leaf formed by folding the edges of the said body, said flanges terminating short of the ends of the leaves, slip holding brackets stamped from said leaves, spring clips attached to said leaves, means for limiting the upward movement of said supports within said barrels, and means for locking said leaves in their extreme lower position.

10. A credit register comprising a case, vertically disposed barrels arranged in said case, said barrels having slots extending through their sides, sliding supports arranged in said barrels, each support consisting of upper and lower portions pivotally connected together, said supports adapted to slide within said barrels, means for preventing the said lower portions of said supports from sliding out of said barrels, and leaves provided with paper-holding means connected to the upper portions of said supports.

11. A credit register comprising a cabinet, a series of credit slip holding leaves in said cabinet, said leaves connected to vertically sliding supports, each of said leaves adapted to be raised vertically out of said cabinet by said supports and when so raised to be pivotally turned to bring either of its sides upward while maintaining its attachment to said slidable supports in said cabinet, means adapted to automatically move said vertically sliding supports into the raised position, each leaf provided with a rotatable release rod having at its upper end a knob and at its lower end a hook portion, and a series of lower hooks, one under each leaf, adapted to engage the hook portions of the release rods whereby said leaves may be maintained in the lower position.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

FREDOLF J. PETERSON.

Witnesses:

WILLIAM H. MILLER,
L. M. BARRICK.