

March 2, 1926.

F. D. POWELL

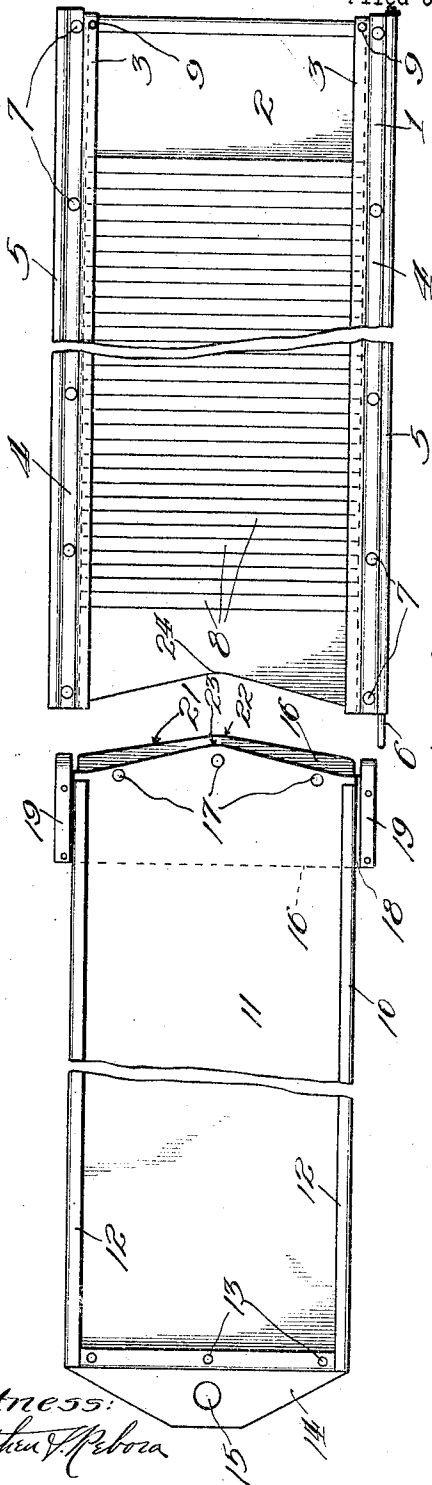
1,574,931

VISIBLE INDEX

Filed Oct. 22, 1923

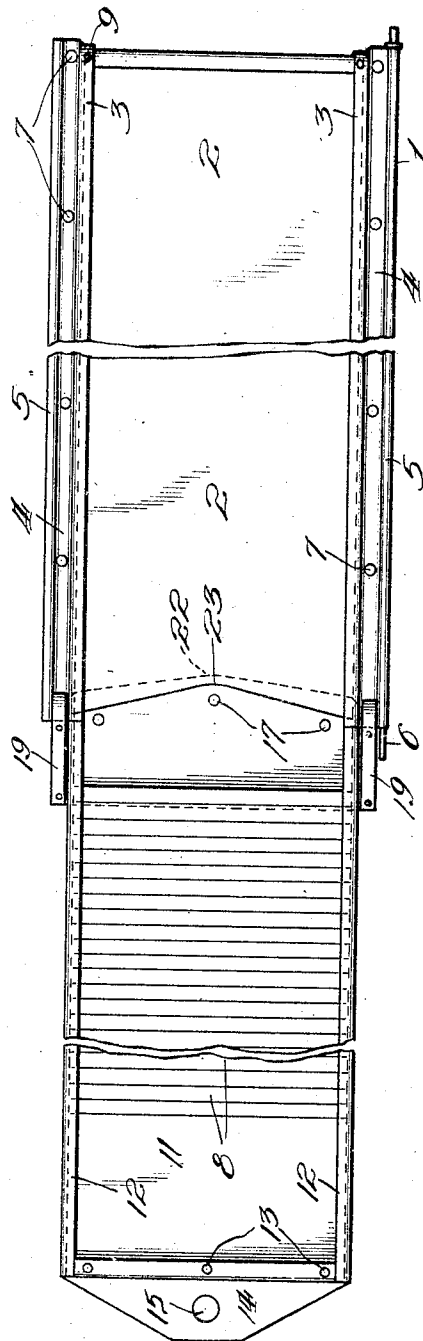
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Fig. 1.



Witness:
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Fig. 2.



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2 Sheets-Sheet 2

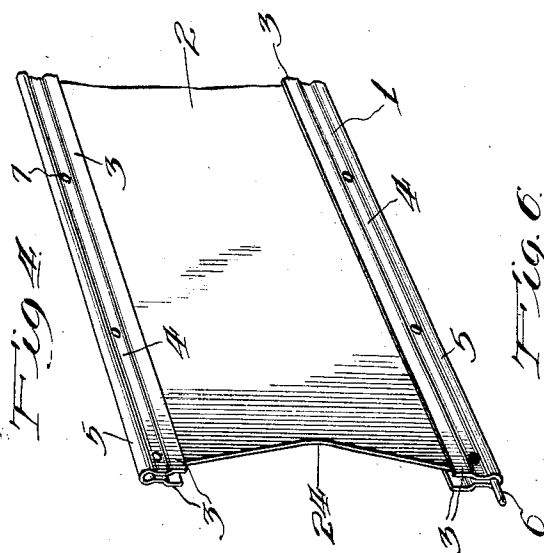


Fig. 4.

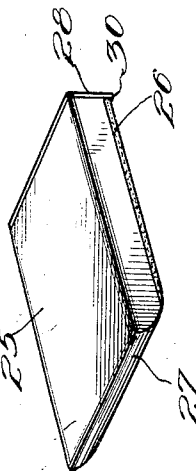
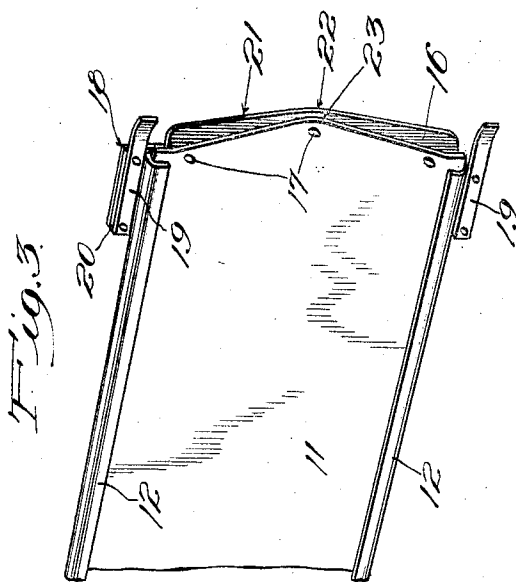


Fig. 3.

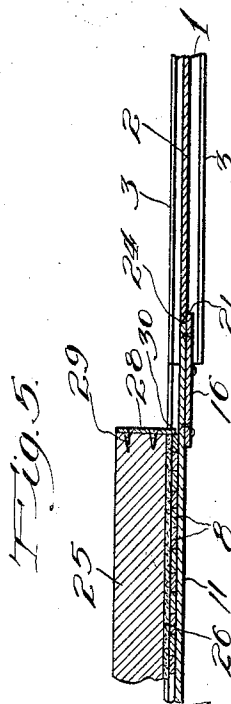


Fig. 5.

Witness:
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UNITED STATES PATENT OFFICE.

FRANK D. POWELL, OF CHICAGO, ILLINOIS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO
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NOIS.

VISIBLE INDEX.

Application filed October 22, 1923. Serial No. 669,941.

To all whom it may concern:

Be it known that I, FRANK D. POWELL, a citizen of the United States, residing in the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Visible Indexes, of which the following is a specification.

This invention relates to improvements in visible indexes, and refers more particularly to the manner of transferring a plurality of movable index members from one frame to another.

Among the salient objects of the present invention are to provide a means of transferring, at one operation, a plurality of index members from one holder to another by means of a movable pad member or by hand; to provide a construction which permits of the use of a main index member frame and an auxiliary frame separate from the main frame; to provide a lip on the under side of the auxiliary frame having a forwardly facing extension, on which latter the under side of the main frame is adapted to rest; to provide a construction which can be readily assembled and taken apart without the aid of extraneous locking and unlocking devices; to provide a construction which is certain and smooth in operation and when assembled presents a substantially smooth surface throughout its length, and one which permits of the transfer of a plurality of movable index members without mutilation or bending and in addition, without removing the individual members from the holder.

In the drawings:

Fig. 1 is a plan view showing the main and auxiliary frames in disassembled position.

Fig. 2 is a plan view showing the two frames connected together in assembled position.

Fig. 3 is a perspective showing the auxiliary frame and locking plate.

Fig. 4 is a perspective of the main frame.

Fig. 5 is a horizontal cross-sectional view showing the two frames connected together, with the movable pad in position.

Fig. 6 is a perspective of the movable pad member.

Referring in detail to the drawing, 1 designates a main frame having the cen-

tral web portion 2 and the longitudinally extending channel portions 3 on both sides, formed with the longitudinally extending grooved portions 4, forming the hollow portion 5 in which is adapted to be positioned the pintle 6 on one side of the frame. The central web 2 is riveted or otherwise secured, as shown at 7 to the grooved members 4. This construction may be of metal or other suitable material and is usual in the art.

A plurality of flexible or rigid index members 8 have their ends fitted in the channelled guides 3 and body portions extending across the central web 2, and movably positioned thereon. The frame, as a whole, is designed to be placed in a rack with similar frames, by inserting the pintle 6 in suitable eyes (not shown) on said rack. The lower edge of the central web portion 2 is closed by a U-shaped closure piece riveted to the web as shown at 9.

Referring now to one of the features of the invention, I provide a separate auxiliary frame 10 having a similar central web portion 11 and having on its upper surface the channelled guides 12. The outer end of this web portion 11 is provided with a U-shaped closure member riveted or otherwise secured to the web as shown at 13. This end may also be provided with the short extension 14 provided with eye 15 for hanging the frame in an easily accessible position when not in use.

The opposite end of this auxiliary frame 10 is provided with the plate 16 extending transversely across and riveted or otherwise secured to the underside of the frame as shown at 17 and the ends of which extend beyond the sides of the frame as shown at 18. These projections 18 furnish supports for a spring-tensioned clip 19 riveted or otherwise secured to the member 18 and spaced away from each other by the washer or spacing member 20.

The plate 16 has a forwardly facing extension 21 preferably rounded at its corners and slightly tapering toward the center as shown at 22, extending beyond a similar tapering portion 23 on the web 11 of this auxiliary frame. The web 2 has its upper portion cut away as shown at 24 to correspond with and receive the portion 23 of the auxiliary frame. The purpose of fitting these parts together in this manner is to

automatically center the two webs readily and allow all other working parts to be placed in position instantly.

Referring now to Fig. 6, I have provided a movable hand pad or block 25, preferably constructed of wood, having its underside covered with felt or other gripping non-abrasive material, as shown at 26. One end of the block 27 may be more or less rounded to assist in facilitating its engagement with the index members. On the opposite end of this block is fitted a metal plate 28 held in place by any suitable means such as the screws 29. It is to be noted that the lower edge of the plate 28 projects beyond the felt to form a shoulder 30 to instantly engage the index members but terminating short of the lower edge of the index members to avoid frictional contact of the lower edge of the plate with the web surfaces of the frame (Fig. 5).

Returning to Figs. 2 and 5, the main and auxiliary frames have been assembled together, the surfaces of the two central web portions being substantially flush. The operation may be as follows: It is desired to transfer a block of index members at one time, either to a frame similar to frame 1 or to its reverse side. The lower edge 30 of the plate 28 engages the longitudinal edge of the last index member in the block to be transferred. The pad 25 is then manually moved, carrying with it the block of index members from frame 1 to the auxiliary frame 10. The clips 19 will temporarily lock the frames against accidental lengthwise and lateral movement, registering with the grooves 4 of frame 1. As the surfaces of the web portions of both frames are flush, there will be no hindrance in the transfer and no mutilation, loss or displacement of any index members.

When it is desired to transfer the index

members from the temporary or auxiliary frame 10 to a holder similar to frame 1, the same operation is repeated.

I claim as my invention:

1. In a visible index, the combination with a holder having a plurality of movable index members, of an auxiliary holder adapted to be connected to the first-mentioned holder, and means for simultaneously transferring a plurality of the index members from one holder to the other.

2. In a visible index, the combination with a main frame, of an auxiliary frame connected thereto, movable index members adapted to be supported in said frames, and means for simultaneously transferring a plurality of index members from one frame to the other.

3. In a visible index, the combination with main and auxiliary holders for flexible index elements adapted to be connected with each other, of a transversely extending supporting member positioned on the auxiliary frame and having a forwardly facing extension for supporting the engaging end of the main frame.

4. In a visible index, the combination with main and auxiliary holders for flexible index elements adapted to be connected together, of a transversely extending member carrying spring-tensioned members for holding the frames against accidental displacement.

5. In a visible index, the combination with connected main and auxiliary frames adapted to support a plurality of flexible index members, means for transferring a block of index members from one to the other, comprising a movable block having means for engaging the edge of an index member.

FRANK D. POWELL.