

1,123,215.

Patented Jan. 5, 1915.

Fig. 1.

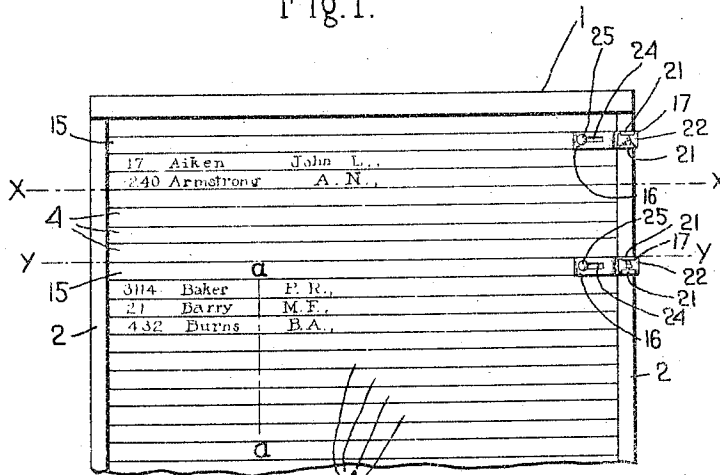


Fig. 2.

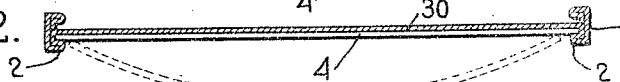


Fig. 3.

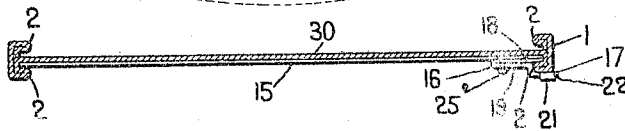


Fig. 4.

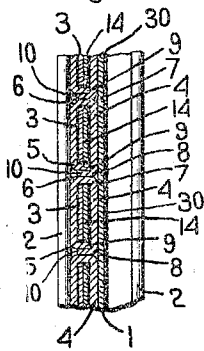


Fig. 5.

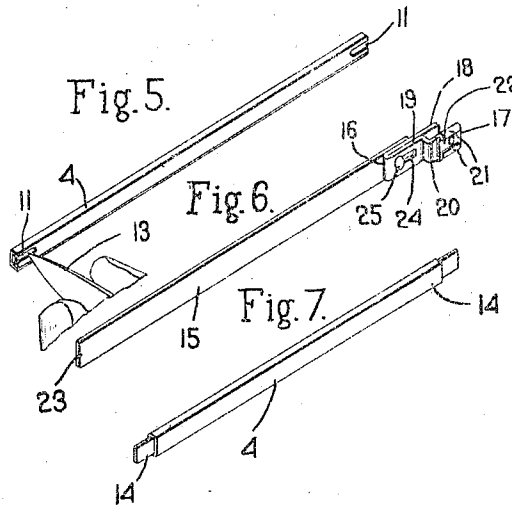


Fig. 6.

Fig. 7.

Witnesses.

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ADJUSTABLE INDEX.

1,123,215.

Specification of Letters Patent.

Patented Jan. 5, 1915.

Application filed October 23, 1913. Serial No. 797,864.

To all whom it may concern:

Be it known that I, STANLEY ANTHONY, a citizen of the United States, and residing at Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Adjustable Indexes, of which the following description, in connection with the accompanying drawing, is a specification, like characters on the drawing representing like parts.

This invention relates to adjustable indexes or indicators of that type which comprise a backing or holder having opposed guides and a plurality of indicating or index members each composed of an index strip of paper on which a name, date or other matter is written; and a protective sheath of stiff, transparent, resilient material in which the index strip is placed and which is held in the guides of the holder.

The objects of my invention are to provide an improved form of holder and a sheath which can be readily inserted into or removed from the holder without breaking or cracking it, and which will more securely hold the index strip than devices of this nature as heretofore made.

Referring to the drawings wherein I have illustrated a selected embodiment of my invention, Figure 1 is a front view of a portion of an index having my improvement; Fig. 2 is a section on the line $x-x$, Fig. 1 showing the way in which the indicators are removed from or inserted into the holder; Fig. 3 is a section on the line $y-y$, Fig. 1; Fig. 4 is an enlarged section on substantially the line $a-a$, Fig. 1; Fig. 5 is a perspective view showing the rear side of one of the sheaths and illustrating the manner in which the index strips are removed; Fig. 6 is a perspective view of an adjustable index tab; Fig. 7 is a view showing in perspective the front of a modified form of indicating member.

1 indicates the holder or frame in which the separate indicators are sustained, said holder being provided with a back 30 having at its edges holding lips 2 that extend substantially parallel to the back but are spaced therefrom and are adapted to receive the ends of the indicators. These indicators each comprise an index strip 3 of paper or other thin flat material suitable for receiving data to be preserved, and a

protective sheath 4 in which the strip is received, said sheath having a transparent front face through which the strip is visible. One of the features of novelty of my present invention resides in the form of this protective sheath. I will preferably make it of a stiff, transparent, resilient material, such as celluloid, and each sheath is formed from a strip of celluloid which is folded over to present a closed tube-like structure in which the index strip 3 may be received, the ends of this tube-like structure being open. In forming this sheath a blank of celluloid of the proper shape is taken and it is folded once at right angles at the point 5, thence again at the point 6 and again at the point 7, and then again at the point 8, and as the points 5 and 8 are situated a slight distance from the edges of the blank, the result is that an open-ended tube is formed having a double thickness on one side where the portions 9 and 10 of the material forming the sheath overlap. These overlapping portions 9 and 10 are cemented or otherwise connected together or they may be left disconnected as desired. Where the sheath is made of celluloid which is bent into this shape, the tube will hold its shape without cementing or otherwise connecting the overlapping edges together.

The sheath made tube-shaped as above described with the overlapping edges is extremely strong and can be repeatedly bent into the dotted line position, Fig. 2, for removal from or insertion into the holder 1 without injury. Furthermore, by having the sheath in the form of a closed tube the paper strip 3 will be entirely inclosed in the sheath for its full length regardless of whether the sheath is in its initial straight position or is flexed into dotted line position, Fig. 2.

For removing an index strip from the sheath, I propose to form the latter on one side with open-ended slots 11 at each end into one of which slots a sharp implement 13 can be inserted to engage the index strip and move it laterally to permit it to be grasped by the hand.

In order to further stiffen the sheath and to provide an indicator which can be repeatedly removed from or replaced in the holder without becoming weakened to such an extent that it will not be securely re-

tained in the holder, I propose to incorporate within each sheath a stiffening element, herein shown in the form of a flat strip 14 of resilient metal. This member 14 adds stiffness to each indicating member, while permitting it to be readily removed from or inserted into the holder. If desired, I may make the sheath of a length less than the distance between the lips 2, in which case the stiffening member 14 will be extended beyond the ends of the sheath a sufficient distance to enter into and be retained in place by the guides. This construction is seen in Fig. 7.

Where the index is used to give a list of names, as shown in the drawings, it is desirable that some means be provided to readily distinguish between the names with different initial letters, and for this purpose I have provided an index tab member which can be adjusted to any desired position on the holder.

The index tab member herein shown is made to be adjustably sustained by the lips 2, and it comprises a body portion 15 to one end of which is slidably secured a tab-supporting member 16 having an indicating portion 17 situated to extend beyond the edge of the holder when the index tab member is in place. This tab-supporting member is herein shown as made from a piece of metal bent back on itself to present the two parts 18 and 19, the latter of which is bent laterally to form the extending part 20 and the projecting tab or indicating portion 17. The indicating portion 17 is shown as having retaining lips 21 to hold an indicating strip 22 which can be readily removed from or inserted in place under said lips.

The index tab member is inserted in the desired place in the holder by placing the end 23 of the body 15 under one lip 2, then sliding the tab-supporting member 16 inwardly sufficiently so that the end of the part 18 can be brought into position to enter behind the other lip 2, and then sliding the said tab-supporting member outwardly to carry the end of part 18 under said lip. When the index tab member is in place the indicating portion 17 thereof is situated beyond the edge of the holder and in position to be readily seen.

The sliding connection between the tab-supporting member 16 and the body 15 may be secured in any suitable way. As herein shown, one of the parts has a slot 24 formed therein in which plays a headed pin 25 carried by the other part, this construction providing sufficient frictional engagement between the parts to hold them in their adjusted positions.

The tubular construction of the sheath has the advantage that it makes a reversible indicating member, both sides of which are transparent. After an indicating member

has been in use for a considerable length of time it may become clouded somewhat so that it is difficult to read the indicating strip through it. When the exposed face of any indicating member thus becomes cloudy, said indicating member can be removed from the holder and reversed by turning the back side thereof to the front and the indicating strip can then be put back into the sheath, thus providing a sheath with a fresh face. Moreover, the continual bending of the indicating member into the dotted line position Fig. 2 is apt to give it a permanent set, and if this occurs with my invention, it is possible to reverse the indicating member and thus correct any tendency therein to become permanently curved.

The holder I have herein shown is provided with lips 2 of double thickness, the purpose being to make a holder having lips of considerable strength. One convenient way of making the holder is to take a blank of sheet metal and bend the edges back on themselves to form a portion of double thickness and then to bend the doubled portion into proper shape to form the lips 2. In Figs. 2 and 3 I have shown a double sided holder which is made from a single piece of metal, it presenting on both sides thereof holding lips 2 of double thickness. This holder is made from a single blank, the opposite edges of which are folded back on themselves to present portions of double thickness and then these portions are bent, as shown in Figs. 2 and 3 to present the lips 2 of double thickness on each side of the holder.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. An adjustable index comprising a frame provided with oppositely disposed guides, of a plurality of indicating members each comprising a protective sheath formed of a piece of stiff, transparent, resilient material bent to form a closed tube and with the meeting edges of the strip overlapping each other and an index strip received in and inclosed by each strip.

2. An adjustable index comprising a frame provided with oppositely-disposed guides, a plurality of indicating members each comprising a protective sheath formed of a piece of stiff, transparent, resilient material bent to form a closed tube and with the meeting edges of the strip overlapping each other and an index strip received and inclosed by each sheath, and a stiffening member of resilient material within and extending the length of said sheath.

3. An adjustable index comprising a frame provided with opposed guides, a plurality of indicating members each comprising a tube-like protective sheath of resilient transparent material, an index strip re-

ceived in and inclosed by said sheath, and a stiffening member of resilient material within and extending the length of said sheath.

5 4. An index guide comprising a frame provided with opposed guides, a plurality of indicating members adjustably sustained by said guides and each comprising a reversible protective sheath of resilient material having a tube formation and two opposed trans-

parent faces, and an index strip received in 10 and inclosed by said sheath.

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

STANLEY ANTHONY.

Witnesses:

LOUIS C. SMITH,
THOMAS J. DRUMMOND.