J. F. RYAN.

INDEX.

APPLICATION FILED MAY 28, 1918.

1,340,410.

Patented May 18, 1920.

2 SHEETS—SHEET 1.

Fig 1.

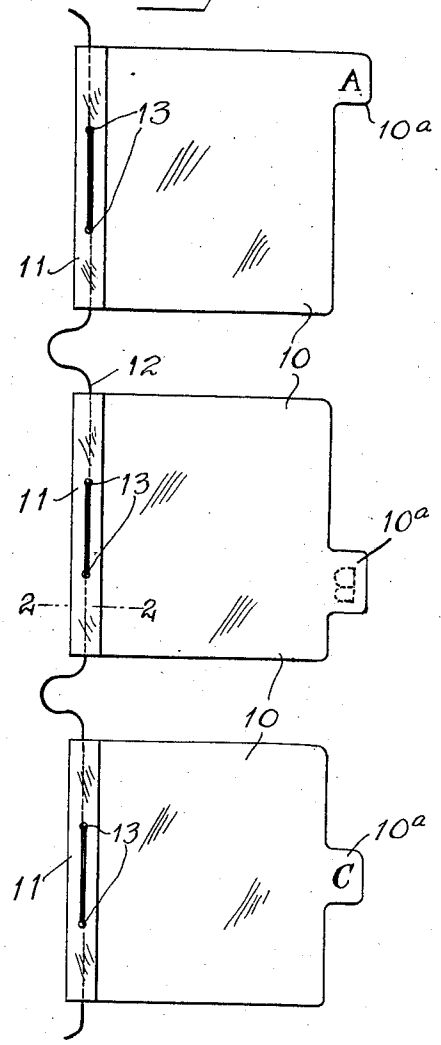


Fig 3.

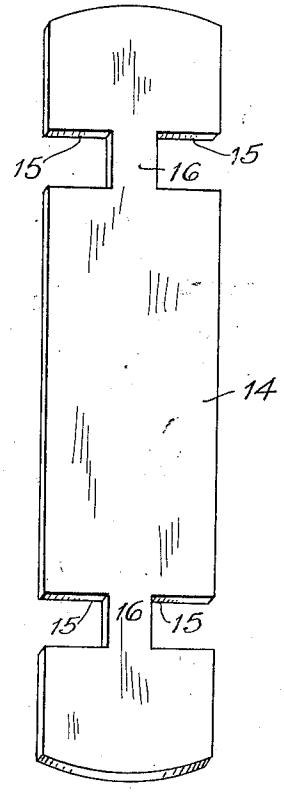


Fig 4.

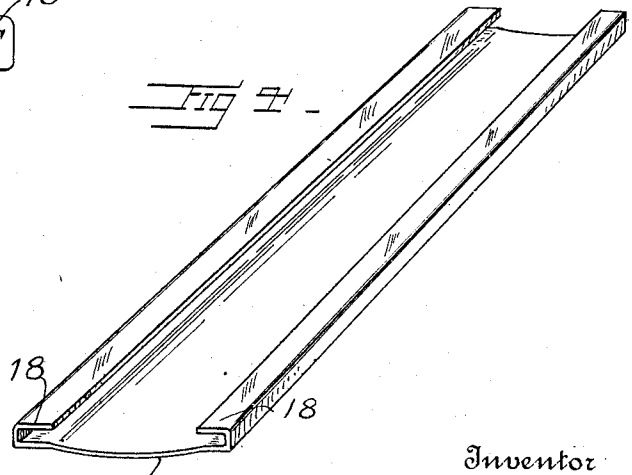
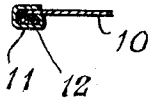


Fig 2.



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2 SHEETS—SHEET 2.

Fig 5 -

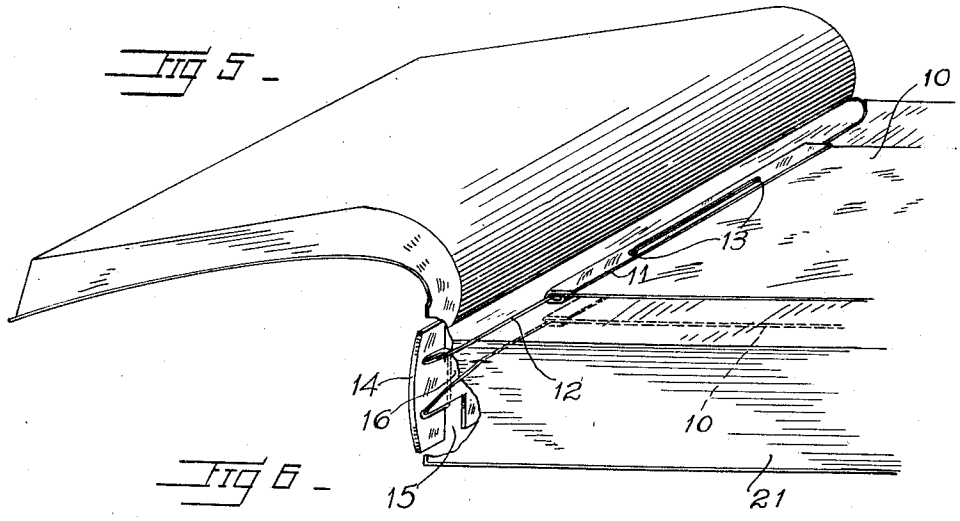


Fig 6 -

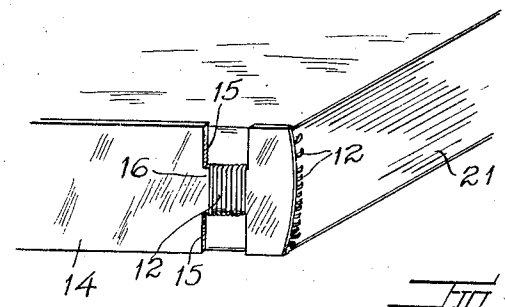
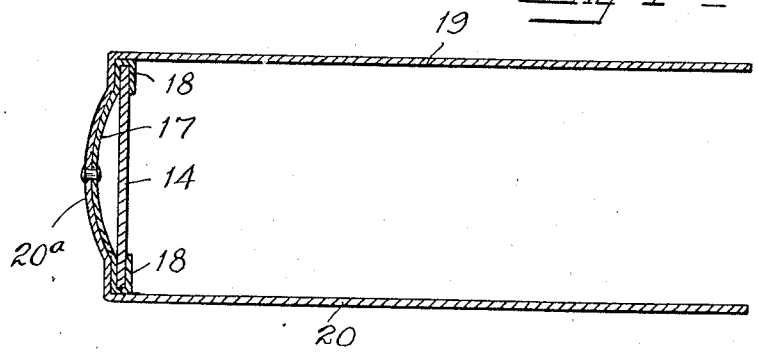


Fig 7 -



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UNITED STATES PATENT OFFICE.

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INDEX.

1,340,410. Specification of Letters Patent. Patented May 18, 1920.

Application filed May 28, 1918. Serial No. 237,060.

To all whom it may concern:

Be it known that I, JOHN F. RYAN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Indexes, of which the following is a specification.

This invention relates to indexes for telephone and other directories and other bound books, and its object is to provide such with a detachable index which can be readily applied to the same and detachably held in proper position between the leaves of the book, so that when a new edition of the book issues, the index can be removed and attached tto the same.

The object stated is attained by means of a novel combination and arrangement of parts to be hereinafter described and claimed, and in order that the same may be better understood, reference is had to the accompanying drawings forming a part of this specification.

In the drawings,

Figure 1 is a plan view of three of the index sheets; Fig. 2 is a cross section on the line 2—2 of Fig. 1; Fig. 3 is a perspective view of an anchoring device; Fig. 4 is a perspective view of a lock for said device; Fig. 5 is a perspective view illustrating the manner in which the index sheets are assembled in the book; Fig. 6 is a perspective view of a fragment of the book showing the anchoring device, and Fig. 7 is a cross section of the anchoring device and the lock therefor assembled.

Referring specifically to the drawings, the index is made up of a plurality of sheets 10, each of which is provided with the usual index tab 10^a projecting from its forward edge. These sheets are slightly smaller than the pages of the book with which they are to be associated, and their back edges are reinforced by a sheet metal strip 11 bent around to tightly grip the same. The sheets are all strung in a longitudinal series and in spaced relation on a wire or other flexible member 12 which runs in between the two sides of the reinforcing strips 11 to one of a pair of holes 13, and it is brought back and forth between the holes once or twice to prevent the sheets from slipping along the wire, and then run out between the sides of the strips to the opposite ends thereof. The sheets are spaced along the wire a sufficient distance to allow the free portions of the latter to be tied, or wrapped, or looped around an anchoring or securing device.

The tie device for the wire 12 is a sheet metal strip 14 a little shorter than the book for which the index is designed so as not to interfere with any cloth bound detachable cover that may already be in use. The strip is as wide as the book. Near each end of the strip, each edge is notched as shown at 15, which produces a contracted neck portion 16.

The strip 14 is mounted on a support or backing plate 17 having its longitudinal edges bent into channels 18 in which the edge portions of the strip seat. The strip is readily slidable into or out of the backing plate, and the latter provides a lock or closure for the notches 15 to prevent the wire 12 seating thereon as will be presently described, from slipping out. Between the channels 18, the plate 17 is bowed outward so that it may slide freely over the wire 12.

Top and bottom cover leaves 19 and 20, respectively, are carried by the plate 17, said leaves covering the top and bottom of the book when the index is applied thereto, and having a backing piece 20^a for the plate 17.

The book to which the index is applied is shown at 21, and the former is assembled therewith by placing the sheets 10 between the leaves of the book at the proper places. The sheets are then fastened in place in the following manner.

Fig. 5 shows two of the sheets 10 and the connection therebetween. The strip 14 is placed along the back edge of the book, and the wire 12 from the bottom of the first sheet 10, or between this sheet and the second sheet protrudes from the bottom of the book and is turned up along the back of the latter to the height of one of the notches 15 at the bottom of the strip 14. The wire is then looped around the neck 16 and returned to the bottom of the book, and it is next inserted between the book leaves to connect with the next sheet 10. The end of the wire at the top of the first sheet 12, is made fast to the corresponding end of the strip 14 by being tied to the neck portion thereof. The wire between the second and third sheets is attached to the top neck portion of the strip in the same manner that the wire between the first and second sheets was connected to the bottom neck portion of the strip. This process is continued until the last sheet is in place and the end of the wire is fastened

to the neck closest to it. The backing plate 17 is now slid over the strip 14 which completes the operation, the book being now inclosed between the cover leaves or plates 19 and 20. The tabs 10^a may be printed on both sides to facilitate reading thereof whether the book is opened from the back or the front.

I claim:

1. An index for books, comprising a plurality of index sheets, a flexible member connecting the sheets in a longitudinal series and in spaced relation, the sheets being insertible between the leaves of the book, and an anchoring strip extending along the back of the book when the sheets are inserted between the leaves thereof, and having means for holding the free portions of the aforesaid member extending between the sheets.

2. An index for books, comprising a plurality of index sheets, a flexible member connecting the sheets in a longitudinal series and in spaced relation, the sheets being insertible between the leaves of the book, and an anchoring strip extending along the back of the book when the sheets are inserted between the leaves thereof, and having means for holding the free portions of the aforesaid member extending between the sheets, the successive ones of said free portions being attached alternately to opposite ends of the strip.

3. An index for books, comprising a plurality of index sheets, a flexible member connecting the sheets in a longitudinal series and in spaced relation, the sheets being insertible between the leaves of the book, and an anchoring strip extending along the back of the book when the sheets are inserted between the leaves thereof, and having notched end portions around which the free portions of the aforesaid member extending between the sheets are looped.

4. An index for books, comprising a plurality of index sheets, a flexible member connecting the sheets in a longitudinal series and in spaced relation, the sheets being insertible between the leaves of the book, and an anchoring strip extending along the back of the book when the sheets are inserted between the leaves thereof, and having notched end portions around which the free portions of the aforesaid member extending between the sheets are looped, the sucessive ones of said free portions being attached alternately to opposite ends of the strip.

5. An index for books, comprising a plurality of index sheets, a flexible member connecting the sheets in a longitudinal series and in spaced relation, the sheets being insertible between the leaves of the book, an anchoring strip extending along the back of the book when the sheets are inserted between the leaves thereof, and having means for holding the free portions of the aforesaid member extending between the sheets, and a detachable backing plate for the anchoring strip, said plate having channels in which the strip seats.

6. An index for books, comprising a plurality of index sheets, a flexible member connecting the sheets in a longitudinal series and in spaced relation, the sheets being insertible between the leaves of the book, an anchoring strip extending along the back of the book when the sheets are inserted between the leaves thereof, and having means for holding the free portions of the aforesaid member extending between the sheets, and a backing plate detachably connected to the anchoring strip and having top and bottom cover leaves inclosing the book.

7. An index for books, comprising a plurality of index sheets, a reinforcement along the back edges of the sheets, a flexible member connecting the sheets in a longitudinal series and in spaced relation, said member being attached to the aforesaid reinforcement, the sheets being insertible between the leaves of the book, and an anchoring strip extending along the back of the book when the sheets are inserted between the leaves thereof, and having means for holding the free portions of the aforesaid member extending between the sheets.

In testimony whereof I affix my signature.

JOHN F. RYAN.