J. H. RAND.

INDEX DEVICE.

APPLICATION FILED JULY 20, 1916.

1,227,665. Patented May 29, 1917.

Fig. 1.

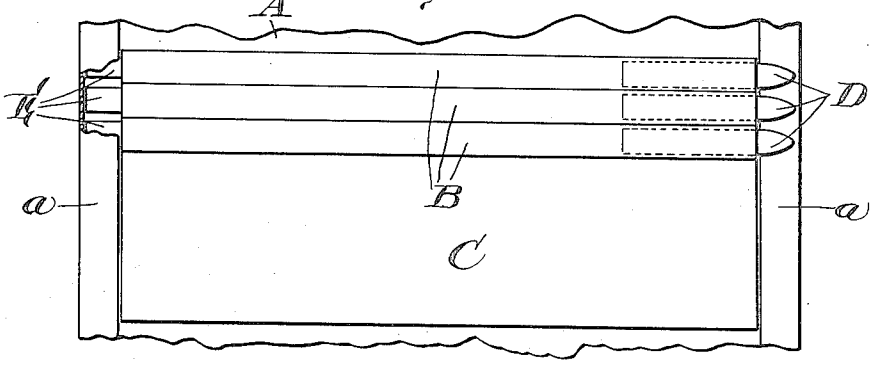


Fig. 2.

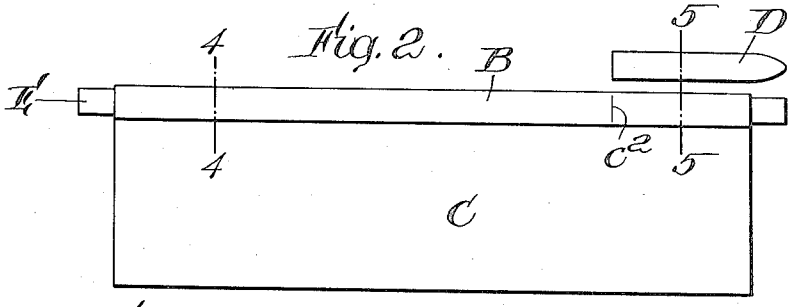


Fig. 4.

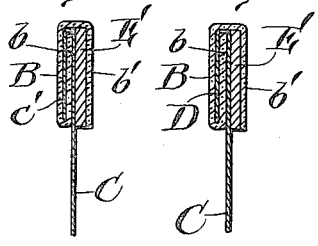


Fig. 5.

Fig. 3.

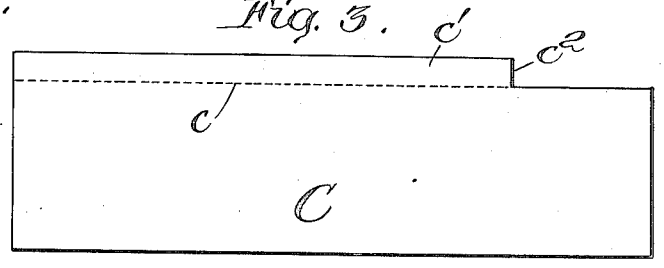


Fig. 6.

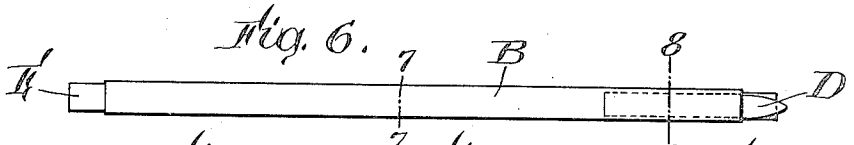


Fig. 10.

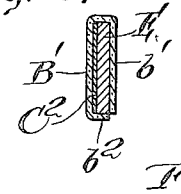


Fig. 7.

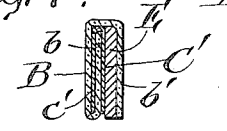


Fig. 8.

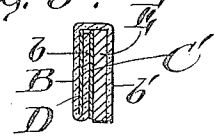


Fig. 11.

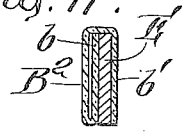
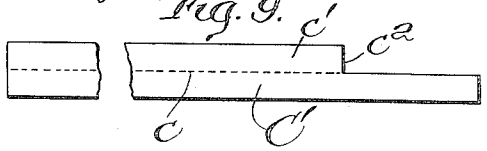


Fig. 9.



Inventor:
James H. Rand,
by Poole, Peirce & Cushman
Attys.

UNITED STATES PATENT OFFICE.

JAMES H. RAND, OF NORTH TONAWANDA, NEW YORK.

INDEX DEVICE.

1,227,665. Specification of Letters Patent. Patented May 29, 1917.

Application filed July 20, 1916. Serial No. 110,386.

To all whom it may concern:

Be it known that I, JAMES H. RAND, a citizen of the United States, and resident of North Tonawanda, in the county of Niagara and State of New York, have invented new and useful Improvements in Index Devices, of which the following is a specification.

This invention relates to indexes of the so-called visible index type, and consists in the novel and improved features of construction hereinafter described and particularly pointed out in the claims.

In the accompanying drawings which illustrate certain embodiments of the invention,—

Figure 1 is a face view of a part of an index containing the invention, certain parts being broken away;

Fig. 2 is a face view of one of the individual index elements of the form shown in Fig. 1;

Fig. 3 is a face view of one of the removable cards of the kind shown in Figs. 1 and 2;

Fig. 4 is a detail in vertical cross section on an enlarged scale on line 4—4 of Fig. 2;

Fig. 5 is a similar section on line 5—5 of Fig. 2, with the parts assembled;

Fig. 6 is a face view of an individual index element assembled, illustrating a modification;

Fig. 7 is a vertical cross section on an enlarged scale on line 7—7 of Fig. 6;

Fig. 8 is a similar section on line 8—8 of Fig. 6;

Fig. 9 is a plan view of one of the removable indicator members of the kind shown in Figs. 6, 7 and 8; and

Figs. 10 and 11 are vertical cross sections showing further modifications.

The index as a whole comprises the frame A having inturned guide flanges *a* forming inwardly facing guide channels, in which the ends of the supporting strips are slidably mounted.

In the form shown in Figs. 1 to 5 inclusive, the supporting strips E, which are made of resilient material such as bristol board or leather board, are mounted side by side with their ends in the guide channels of the frame. On each strip E there is secured, preferably permanently, a sheath of transparent resilient material, such as sheet celluloid, the sheath terminating short of the guide channels formed by the flanges *a*, so as to leave the projecting ends of the strips E uncovered and free to slide easily in the guide channels. Each sheath B is preferably formed with inturned overlapping lips *b*, *b'*, and the strip E is preferably permanently secured between the rear or outer lip *b'* and the inner lip *b* by cement or other suitable fastening, uniting the strip E with the rear lip *b'*. The inner lip *b* forms with the face of the sheath an index compartment extending lengthwise of the sheath.

The cards C are attached to the supporting strips E and sheaths B by means of a folded-over margin *c'*, which is bent upon a line or scoring *c*. The folded-over margin forms an indicator surface held in the index compartment between the face of the sheath and the lip *b*, while the body of the card, which is folded around the upper edge of the lip *b*, extends out of the sheath between the lip *b* and the strip E. Preferably the folded margin *c'* terminates short of one end of the body of the card, as shown at c^2, and therefore terminates short of one end of the index compartment. This leaves the index compartment free at that end to receive a separate removable index slip D, which preferably extends a little beyond the opening of the index compartment, as best shown in Figs. 1 and 6, to form a tab for inserting and removing the slips D.

Thus names or other data which are of comparatively permanent nature may be placed upon the folded over margins *c'* which occupy part of the index compartment, and separate index slips D may be used for data, such as fluctuating balances of accounts, which it is desired more frequently to change, without removing or changing the card C and the index matter on the margins *c'*.

In the form shown in Figs. 6, 7, 8 and 9, the supporting strip E and sheath B may be the same as the corresponding parts already described. The indicator member, however, instead of being a card which extends outside of the sheath is of the form best shown in Fig. 9, the part C' extending the whole length of the sheath between the strip E and the lip *b*, while the front fold *c'* of the indicator member corresponding to the folded margin *c'* of Fig. 3 occupies the index compartment as before. The indi-

cator member shown in Fig. 9 is folded on a lengthwise crease c which extends around the inner lip b of the sheath. The front fold c' in this form also terminates short of the body C' as shown at c^2, leaving a space in the index compartment for the removable index slip D.

In the form shown in Fig. 10, the sheath B' has a rearwardly bent lip b^2 and a rearwardly and inwardly bent lip b' to which the supporting strip E is secured, leaving a space or index compartment between the strip E and the face of the sheath B'. In this form a straight unfolded index slip C^2 is used rather than the form shown in Figs. 6 to 9.

In the modification shown in Fig. 11, the sheath B^2 has the infolded inner lip b and the infolded outer or rear lip b' to which the strip E is secured. A straight unfolded index slip such as C^2 (Fig. 10) may be inserted in the compartment between the lip b and the face of the sheath.

I claim:

1. An index device comprising a strip of stiff resilient material, a sheath permanently secured to said strip extending lengthwise thereof, forming an index compartment in front of said strip, and an indicator member removably held in said compartment.

2. An index device comprising a strip of stiff resilient material, a sheath secured to said strip extending lengthwise and terminating short of the ends thereof, forming an index compartment in front of said strip, and an indicator member removably held in said compartment.

3. An index device comprising a strip of stiff resilient material, a sheath having inturned overlapping lips between which said strip is secured, the inner lip and the face of the sheath forming an index compartment, and an indicator member removably held in said compartment.

4. An index device comprising a strip of stiff resilient material, a sheath terminating short of said strip and having inturned overlapping lips between which said strip is secured, the inner lip and the face of the sheath forming an index compartment, and an indicator member removably held in said compartment.

5. An index device comprising a strip of stiff resilient material, a sheath having inturned overlapping lips between which said strip is secured, the inner lip and the face of the sheath forming an index compartment, and an indicator member doubled upon itself on a lengthwise crease which is folded around the edge of the inner lip of the sheath, the front fold of the indicator being held in said index compartment and the rear fold being in the space between the inner lip and said strip.

6. An index device comprising a strip of stiff resilient material, a sheath having inturned overlapping lips between which said strip is secured, the inner lip and the face of the sheath forming an index compartment, and a card having a folded over margin, the folded margin being held in said index compartment and the body of the card extending out of the sheath between the inner lip and said strip.

7. An index device comprising a strip of stiff resilient material, a sheath having inturned overlapping lips between which said strip is secured, the inner lip and the face of the sheath forming an index compartment, and an indicator member doubled upon itself on a lengthwise crease which is folded around the edge of the inner lip of the sheath, the front fold of the indicator terminating short of the end of the sheath at one end and being held in said index compartment and the rear fold being in the space between the inner lip and said strip, and a separate removable index slip in the end of the index compartment not occupied by said front fold of the indicator member.

8. An index device comprising a strip of stiff resilient material, a sheath secured to said strip extending lengthwise thereof, forming an index compartment in front of said strip, and an indicator member removably held in said compartment and terminating short of one end at least thereof, and a separate removable index slip in the end of the index compartment not occupied by said indicator member.

9. An index device comprising a strip of stiff resilient material, a sheath having inturned overlapping lips between which said strip is secured, the inner lip and the face of the sheath forming an index compartment, an indicator member removably held in said compartment and terminating short of one end at least thereof, and a separate index slip in the end of the index compartment not occupied by said indicator member.

10. An index device comprising a strip of stiff resilient material, a sheath having inturned overlapping lips between which said strip is secured, the inner lip and the face of the sheath forming an index compartment, and a card having a folded over margin, the folded margin being held in said index compartment and the body of the card extending out of the sheath between the inner lip and said strip, said folded margin terminating short of one end at least of the index compartment, and a separate removable index slip in the end of the index compartment not occupied by said folded margin.

11. An index comprising a frame having inwardly facing guide channels, a series of supporting strips of stiff resilient material having their ends mounted in said guide

channels to slide lengthwise thereof, a sheath on each strip terminating short of said guide channels and having inturned overlapping lips, the supporting strip being secured to the rear or outer lip, the inner lip and the face of the sheath forming an index compartment, an indicator member doubled upon itself on a lengthwise crease which is folded around the edge of the inner lip of the sheath, the front fold of the indicator member being held in said index compartment and terminating short of one end at least thereof, and a separate index slip removably held in the end of the index compartment not occupied by said front fold of the indicator member.

12. An index device comprising a sheath, an indicator member doubled upon itself on a lengthwise crease removably mounted in said sheath, the front fold of said indicator terminating short of the end of the sheath at one end, and a separate removable index slip in the end of the sheath not occupied by said front fold of the indicator member.

Signed by me at Boston, Massachusetts, this 5th day of July, 1916.

JAMES H. RAND.