July 24, 1923. 1,462,626

W. A. RINGLER

INDEX TAB

Filed March 31, 1922

Fig. 1.

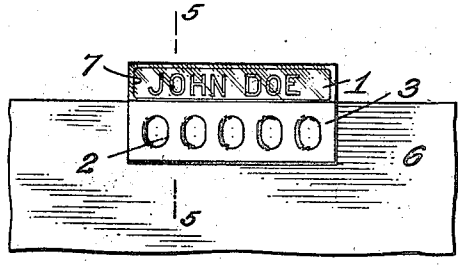


Fig. 2.

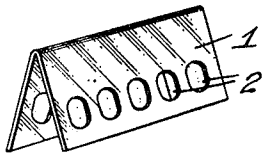


Fig. 3.

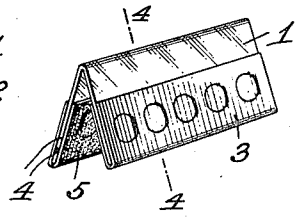


Fig. 4. Fig. 5.

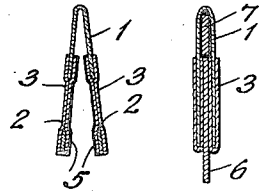


Fig. 6.

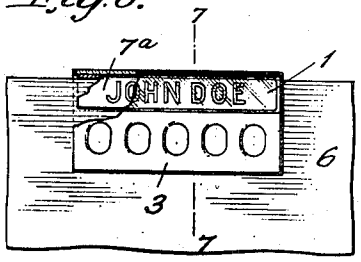


Fig. 7.

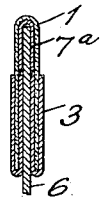


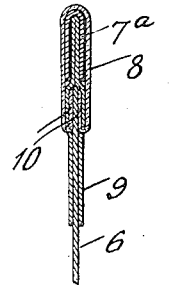
Fig. 8.





Fig. 9.

Fig. 12.



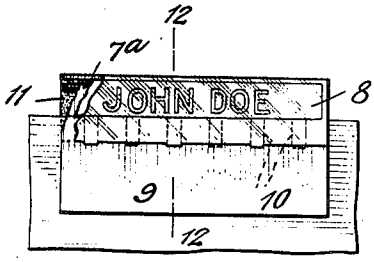
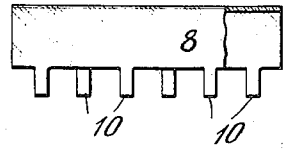


Fig. 10.

Fig. 11.



INVENTOR
William A. Ringler
BY
Stockbridge & Boret.
ATTORNEYS

Patented July 24, 1923. 1,462,626

UNITED STATES PATENT OFFICE.

WILLIAM A. RINGLER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE GLOBE-WERNICKE COMPANY, A CORPORATION OF OHIO.

INDEX TAB.

Application filed March 31, 1922. Serial No. 548,316.

To all whom it may concern:

Be it known that I, WILLIAM A. RINGLER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Index Tabs, of which the following is a full, clear, and exact description.

This invention relates to index tabs for attachment to thin objects such as index cards, leaves of books, etc. An object of the invention is to provide an improved index tab which may be quickly and easily attached to various objects; which will not pull loose from the object to which it is attached, which protects the index slip against soiling by handling; with which the index information may be changed at will; in which the component parts will not loosen from one another in use; which may be attached to the object so as to project from the edge thereof or fit closely to the edge; which may be readily divided by the purchaser into tab units of any desired lengths, and which is simple, durable, attractive in appearance, and inexpensive. Other objects and advantages will be apparent from the following description of an embodiment of the invention and the novel features will be particularly pointed out in claims.

In the accompanying drawing:

Fig. 1 is an elevation of a card or sheet to which a tab constructed in accordance with this invention has been applied.

Fig. 2 is a perspective of a part of the tab;

Fig. 3 is a similar perspective of the tab prior to its application to the sheet or card;

Fig. 4 is a section of the same taken substantially along the line 4—4 of Fig. 3;

Fig. 5 is a transverse section through the tab and card to which the tab has been applied;

Fig. 6 is an elevation of a card with the improved tab applied thereto in a slightly different manner;

Fig. 7 is a section through the same taken substantially along the line 7—7 of Fig. 6;

Fig. 8 is a perspective of one form of index slip or label which may be used;

Fig. 9 is a perspective of a slightly different form of index slip or label which may be employed;

Fig. 10 is an elevation of a card and a slightly modified index tab applied thereto;

Fig. 11 is an elevation of a portion of the tab, and

Fig. 12 is a section taken substantially along the line 12—12 of Fig. 10.

In the embodiment illustrated, particularly in Figs. 1 to 9, a doubled strip 1 of sheet transparent material is provided along the edge portion of each arm with a row of apertures 2. The transparent material may be formed from relatively thin sheet celluloid or from other substances having similar physical characteristics, and may be clear or may be of any desired colors. Strips of flexible material such as thin tough paper, fabric, or other similar materials are doubled lengthwise of themselves to form attaching members 3. The abutting faces of the arms of the doubled attaching members are each gummed or otherwise provided with an adhesive coating 4. A doubled attaching member 3 is placed over the longitudinal edge of each arm of the strip with the arms of the member embracing the arm of the strip. The gum or adhesive coating 4 is effective to cement the attaching members to the embraced arms of the strip and by pressure the members may be and preferably are forced into the apertures of the strip and through the apertures cemented directly to one another so as to be mechanically interlocked through the apertures to the strip, as shown clearly in Fig. 4.

Because of the connection between the arms of each attaching member 3 at its folded edge that lies along the embraced edge of the strip 1, each arm of the member will resist the loosening of the other arm from the strip, and consequently the attaching members will be more firmly attached to the strip than if single strips were cemented merely along the inner faces of the arms of the strips. This constitutes in effect an interlocking arrangement between the embracing arms of each attaching member.

The surfaces of the applied members which face one another between the arms of the strip are also gummed or provided with a suitable adhesive coating 5, by which the tab may be cemented to an edge portion of a thin object such as an index card or book sheet 6. The tab may be applied to an object or card so as to project from the edge

as shown in Figs. 1 and 5, in which case the projecting doubled portion of the transparent strip forms with the edge of the object an open ended pocket for removably receiving an index slip or label 7 or 7ª upon which suitable information or index data has been placed. This information or data is easily visible through the transparent strip. The slip may be straight as designated by the reference 7 or doubled lengthwise, as designated by reference 7ª, and may have suitable information or data upon one or both faces so as to be visible through the transparent strip from either or both faces of the object. The tab may, if desired, be applied closely to the edge of the object or card 6, as shown in Figs. 6 and 7, in which case the index slip is inserted endwise between the unattached portion of the strip and the card. The celluloid or transparent strip may be roughened, such as by fine sand paper, along the portions engaged by the adhesive so as to insure firm adherence thereto of the attaching members.

In the embodiment illustrated in Figs. 10 to 12, a thin sheet 8 of transparent material is doubled lengthwise to form the protecting strip. A sheet 9 of tough thin paper or fabric is doubled lengthwise upon itself and telescoped within the transparent strip with the arms of the sheet 9 which forms the attaching member, of greater length than the arms of the transparent strip. The arms of the strip 8 are provided with integral tongues 10 extending from the edges, and the tongues are inserted through apertures in the attaching member or sheet 9 and then folded along the face of the sheet 9 so as to mechanically interlock the strip 8 to the attaching sheet or member 9. The tongues upon opposite arms of the transparent strip are staggered with respect to one another so as to pass one another when the sides of the tab are pressed together. The inner face of the doubled sheet 9 is gummed or otherwise provided with a suitable adhesive coating 11 by which the tab may be applied to an object, such as a sheet, or card. In applying this tab to an object, the adhesive coating is moistened or otherwise rendered active and the tab is then applied over the edge of the object, after which the arms of the tab are pressed firmly against the opposite faces of the object until the adhesive sets. The index slip or label 7 or 7ª which has been provided with the desired information or indexing data may then be inserted endwise into the open ended pocket formed along the doubled edge between the telescoping strip and sheet.

The information or data upon the index slip will be readily visible through the transparent strip, and this data may be provided upon both arms of the index slip, if a folded slip 7ª is used, so as to be visible from both faces of the object. The tab may be applied to the object so as to project from the edge as shown in Figs. 1 and 5 or it may be applied closely to the edge. As shown in Figs. 10 and 12 the tongues 10 will be cemented by the adhesive coating 11 to one or both arms of the attaching sheet or member 9 as well as interlocked therewith so that there is little or no possibility of the tongue being disengaged from the sheet 9 in use.

In both of the illustrated embodiments, the tab may be quickly, easily, effectively and securely attached to various objects, and the component parts, will not become disengaged from one another in use. The index slips or labels will be protected from soiling and wear in handling. The tabs and index slips may be marketed in strips of any suitable length and divided into the desired lengths by the purchaser by merely cutting the same between apertures or tongues with a knife or shears. The index slips may be changed at any time. By using tabs of various colors further indexing combinations are possible.

It will be obvious that various changes in the details and arrangements of parts of the embodiments herein described and illustrated for the purpose of explaining the nature of the invention may be made by those skilled in the art within the principle and scope of the invention.

Claims:

1. In an index tab, a doubled strip of transparent material, attaching means mechanically interlocked to the strip through the arms thereof, and having adhesive coatings upon the surfaces facing one another for attachment to the opposite faces of a thin object whereby the strip may be secured to the edge of the object and form therewith a pocket for an index slip.

2. In an index tab, a doubled strip of transparent material, an attaching member of flexible material mechanically interlocked through each arm of the strip, and having an adhesive coating whereby the member may be attached to an object to anchor the strip thereto, the doubled portion of the strip serving as an open ended pocket to receive and retain an index slip.

3. In an index tab, a doubled strip of transparent material, flexible attaching members interlocked with the edge portions of the arms of the strip, by which the strip may be secured to an edge of a thin object, the doubled portion of the strip serving as an open ended pocket to receive and retain an index slip.

4. In an index tab, a doubled strip of transparent material, having a row of apertures along the opposite edge portions of each arm, and a doubled flexible attaching member embracing each edge of the strip, the embracing surface of each member hav-

ing an adhesive coating which cements the member to the strip and the opposite arms of the member directly together through the apertures, the doubled portion of the strip serving as an open ended pocket to receive and retain an index slip when the strip is attached by said member to a thin object.

5. In an index tab, a unit comprising a doubled strip of transparent material having an aperture in each arm, a flexible attaching member embracing the edge portion of each arm of the strip, the embracing portions of each member being cemented to the embraced arm of the strip and also cemented directly to one another through the aperture, the doubled portion of the strip serving as an open ended pocket to receive and retain an index slip when the strip is attached by said members to an object.

6. In an index tab, a unit comprising a doubled strip of transparent material having an aperture in each arm, a flexible attaching member embracing the edge portion of each arm of the strip, the embracing portions of each member being cemented to the embraced arm of the strip and also forced into the aperture and cemented directly to one another in the aperture, the doubled portion of the strip serving as an open ended pocket to receive and retain an index slip when the strip is attached by said members to an object.

7. In an index tab, a doubled over strip of transparent material, and an attaching member of flexible material folded over the outer edge of and into embracing relation with each arm of the doubled strip, the embracing surfaces of the members being cemented to the arms of the strip, whereby the portion of each member upon one face of an arm will resist the tearing loose of the portion cemented to the other face.

8. In an index tab, a doubled over strip of transparent material, an attaching member of flexible material folded over the outer edge of and into embracing relation with each arm of the doubled strip, the embracing surfaces of the members being cemented to the arms of the strip, whereby the portion of each member upon one face of an arm will resist the tearing loose of the portion cemented to the other face, and an adhesive coating upon the exposed face of the portion of each member which is on the inner face of an arm of the doubled over strip, whereby the tab may be readily attached to an object to be indexed.

In witness whereof, I hereunto subscribe my signature.

WILLIAM A. RINGLER.