Oct. 6, 1931. L. S. GRAFF ET AL 1,826,614

INDEX TAB

Filed June 11, 1931

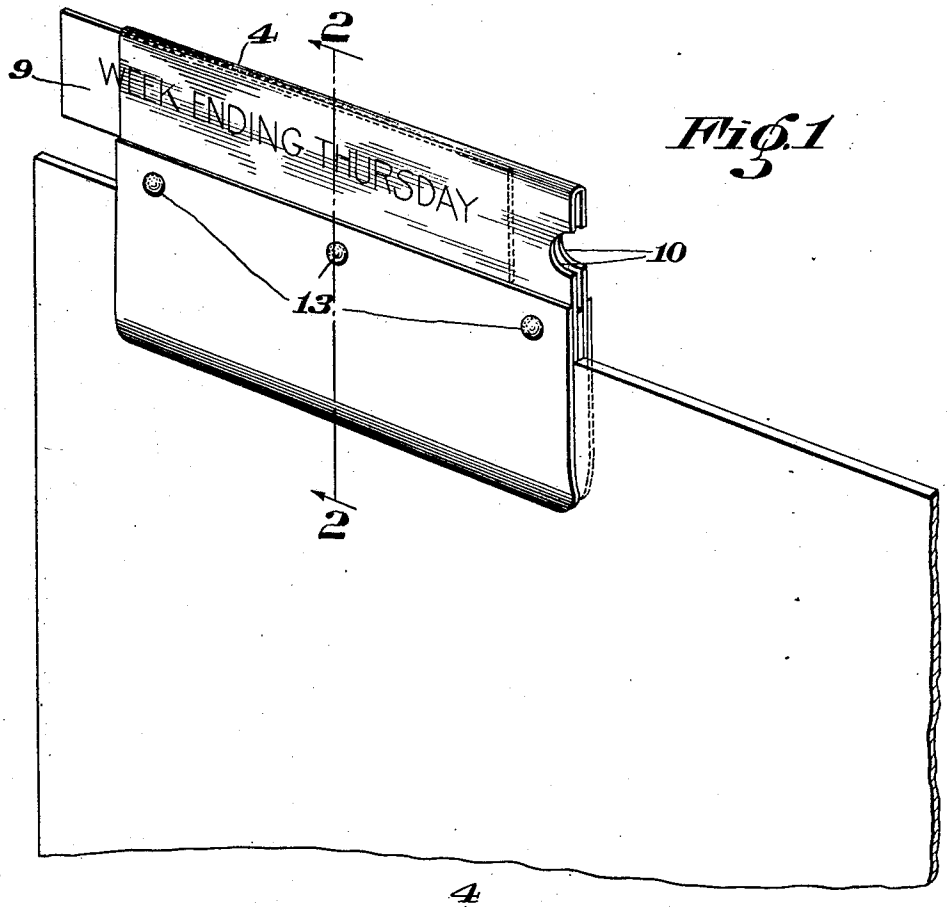



Fig. 1

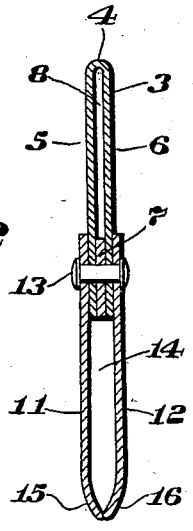



Fig. 2

Leland S. Graff and Robert A. Stewart INVENTORS

BY Arthur A. Adams.

ATTORNEY

Patented Oct. 6, 1931

1,826,614

# UNITED STATES PATENT OFFICE

LELAND S. GRAFF, OF ARLINGTON, AND ROBERT A. STEWART, OF WATERTOWN, MASSACHUSETTS, ASSIGNORS TO GEORGE B. GRAFF COMPANY, OF CAMBRIDGE, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS

## INDEX TAB

Application filed June 11, 1931. Serial No. 543,570.

Our invention relates to an improved index tab, and among its objects are the provision of a durable, simple and inexpensive tab which may readily be attached to a card, sheet, etc., will hold its position firmly and yet is readily removable and transferable, is easy and positive in operation and may be used repeatedly.

Metal index tabs as now manufactured are commonly made of two strip portions of metal so that both the bottom or clip portion and the top or index portion are of metal. An aperature may be provided in the index portion, through which indicating characters on an inserted strip are visible. The clip portion of such tabs starts with a shoulder just below the index portion whereby the clipping strips are separated to permit the insertion of the card or sheet to which the tab is attached.

In our improved construction we are able to form the clip portion in a very simple fashion, reduce the cost of manufacture and secure an improved result by utilizing a separate index portion of the device which acts also as a separator between the clipping strips. This new construction permits the use of a cheap transparent material for the index portion together with suitable metal or other springy material for the clipping strips. With our new construction the upper index portion of the tab may be constructed entirely of an inexpensive material and may be made transparent, thereby completely enclosing an appropriate insert strip bearing indicating characters which may be readily inserted or changed as desired. With these and other objects and advantages in mind, our index tab comprises, briefly, an upper index portion formed by centrally folding a strip of celluloid or other transparent material upon itself, with a clip portion of metal or other suitable material secured to the index portion by means of rivets or other fastening means. If the two legs of the folded strip do not give a sufficient thickness to adequately separate the clipping strips, one or more strips of celluloid or other suitable material may be interposed between the edges of the folded strip, thereby making any desired width of separation between the upper ends of the clipping strips.

A preferred form of our improved clip is shown in the accompanying drawings, in which

Fig. 1 is a perspective view of our clip attached to a card,

Fig. 2 is a transverse vertical sectional view taken on the line 2—2 of Fig. 1.

A strip or sheet 3 of suitable transparent material, such as celluloid, is centrally folded upon itself as shown at 4 to form the upper or index portion of the tab. The transparent sides 5 and 6 of this portion may be spaced apart by the insertion between the lower ends thereof of a narrow strip 7. This strip may conveniently be of the same material as the sheet 3, but since the lower portion of the tab is not necessarily transparent, it may be of any suitable material. This construction leaves the slot 8, into which a strip 9 of paper, carboard, etc., bearing indicating characters, may readily be slidably inserted so that the characters are visible through the transparent face 5. Notches may be cut in the sides 5 and 6 as indicated at 10, to facilitate the insertion and removal of the strip 9.

The bottom or clip portion of the tab consists of two plain strips 11 and 12 which are preferably of thin sheet metal, but which may be of any suitable springy material. These strips are attached one on either side of the lower part of the index portion of the tab in the manner shown in detail in Fig. 2, by means of rivets 13 or other suitable fastening means. The strips 11 and 12 are thus spaced apart and securely held in parallel relationship, leaving between them the space 14 for the reception of the edge of the card or sheet to which the tab is to be attached. The lower ends of the strips 11 and 12 are turned inwardly toward each other as shown at 15 and 16 to such an extent that when the clip is not in use the lowermost edges will normally touch each other. When the tab is slipped over the edge of a card or sheet, these lower edges of the strips 11 and 12 serve to grip the card firmly and hold the tab securely and adjustably in place on the edge of the card or sheet.

Our tab, while leaving the indicating characters on the strip 9 readily visible, protects this indicating strip and the characters thereon from soiling and wear, and furnishes convenient, rigid and durable means for handling the card or sheet to which the tab may be attached. A new strip 9 bearing different indicating characters may readily be substituted. The tab is firmly and rigidly held in place and yet is readily adjustable and removable, and may be attached and detached any number of times without the slightest impairment of its efficiency.

The leg or clip portions of our device are of the simplest character, which makes for low cost of manufacture, and the character of our index portion permits the use of an inexpensive, transparent index strip enclosing material, which acts also as a stop to insure uniform projection of the tab above the edge of the card or sheet to which it is attached and as a separator for the leg or clip portions of the device. The simplicity of construction and the inexpensive materials used permit the manufacture of our tab at a low cost, and at the same time our construction provides distinct advantages in manipulation and use.

We claim:—

1. An index tab comprising an upper index portion consisting of a sheet of transparent material centrally folded upon itself and with its ends spaced apart by a narrow strip inserted therebetween, and a lower clip portion consisting of two parallel flat sheets of springy material with their lower edges turned toward each other and their upper edges spaced apart by the insertion therebetween of the lower part of the index portion, the whole being held together by fastening means through the parts thus overlapping.

2. An index tab comprising in combination an index portion consisting of a sheet of transparent material centrally folded upon itself, and a clip portion consisting of two sheets of springy material with their lower edges turned toward each other and their upper edges spaced apart by the insertion therebetween of the lower part of the index portion, the whole being held together by fastening means through the portions thus overlapping.

3. An index tab comprising an upper or index portion consisting of a sheet of transparent material centrally folded upon itself and with its ends spaced apart by a narrow strip inserted therebetween, and a lower or clip portion consisting of two metal sheets in parallel relationship with their lowermost edges turned toward each other, the two portions partly overlapping and the whole being held together by rivets passing through the overlapping portions.

LELAND S. GRAFF.
ROBERT A. STEWART.