

May 13, 1952

D. RICE

2,596,600

BINDER OR LOOSE SHEET HOLDER

Filed Jan. 18, 1946

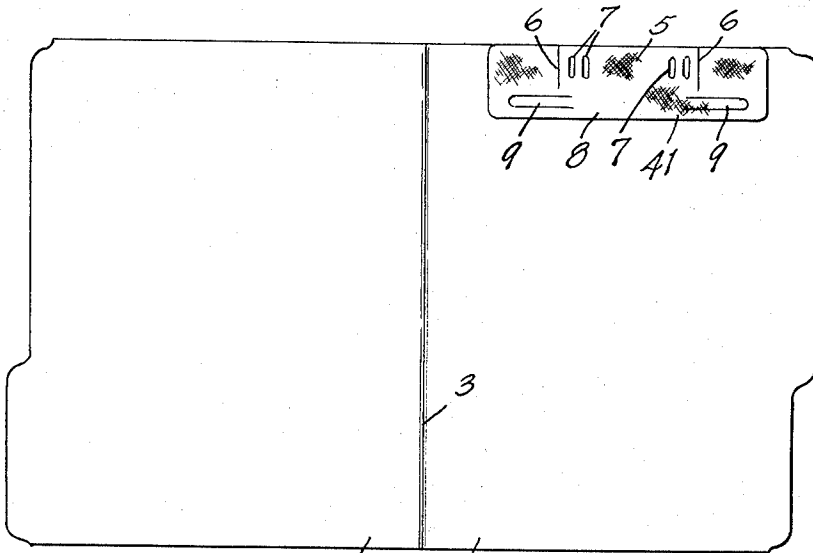


FIG. 1

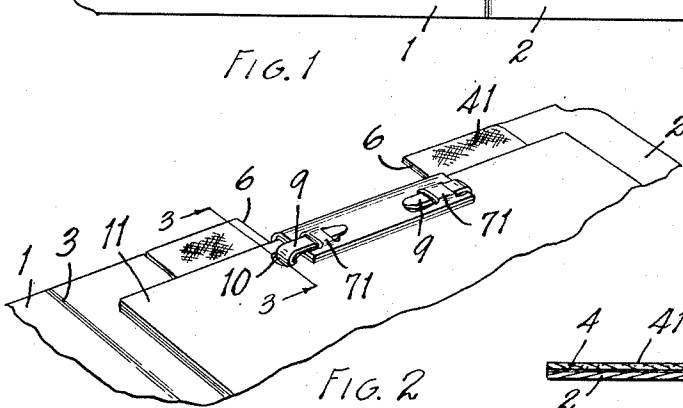


FIG. 2

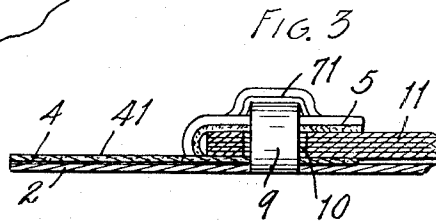


FIG. 3

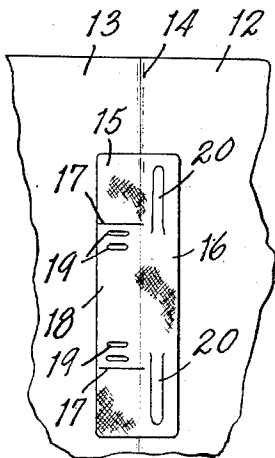


FIG. 4

INVENTOR.  
DUNCAN RICE  
BY *Otto A. Carl*  
ATTORNEY

## UNITED STATES PATENT OFFICE

2,596,600

## BINDER OR LOOSE SHEET HOLDER

Duncan Rice, Kalamazoo, Mich.

Application January 18, 1946, Serial No. 641,928

6 Claims. (Cl. 129—41)

1

This invention relates to improvements in binder or loose sheet holder.

The main objects of this invention are:

First, to provide a loose sheet binder or loose sheet holder which is well adapted for embodiment in folders such as are commonly used for the filing of letters and various similar uses.

Second, to provide a sheet binder which is very economical and at the same time is effective and well adapted as a permanent binder, that is a binder which is not current or active.

Third, to provide a binder having these advantages which does not require metal parts and which is easily manipulated.

Further objects relating to details and economies of the invention will appear from the description to follow. The invention is defined in the claims.

A structure which embodies the features of the invention is illustrated in the accompanying drawing, in which:

Fig. 1 is an inside extended view of a binder embodying my invention as adapted to a folder type of cover.

Fig. 2 is an enlarged perspective view of the embodiment of my invention shown in Fig. 1 with sheets indicated therein, the binder being shown in closed position.

Fig. 3 is an enlarged fragmentary view in section on line 3—3 of Fig. 2.

Fig. 4 is a fragmentary plan view with the covers extended of a modified form or embodiment of my invention.

In the embodiments shown in Figs. 1 to 3 inclusive, the binder comprises front and rear covers 1 and 2 formed of a single sheet and scored at 3 to provide a hinge connection for the covers. The covers may be formed of a suitable grade of manila stock or the like, such as is quite commonly used in folders for filing of letters and other papers.

A reinforcing strip of fabric 41 of desirably buckram or the like is adhesively secured throughout, the adhesive being indicated at 4, Fig. 3. The adhesive should be such as to permit flexing without fracture. The reinforcing strip in this embodiment of Figs. 1, 2, and 3 is secured with its upper edge flush with the edge of the rear cover.

A binding flap 5 is formed by slitting at 6, the slits extending from the upper edge of the cover through the reinforcing strip and the cover stock, the slits being substantially parallel. The binding flap 5 constitutes the top binding member or element and is provided with spaced pairs of slots 7. The portion 8 constitutes the bottom binding member and is slit to provide tongues 9 spaced inwardly of the binding member 5, the inner ends of the slits forming the tongues being substantially in alignment with the outer slots

2

7 so that the tongues may be turned upwardly and passed through holes 10 provided therefor in the sheets conventionally shown at 11 and tucked under the straps or loops 11 formed by the slots 7, the tongues being wrapped around the ends of the top binding member 5.

The holes in the sheets might be formed so that the tongues would be inserted through the outer slots 7 and tucked into the inner slots, but that requires a little more time in assembling or binding the sheets.

In the embodiment of my invention shown in Fig. 4 the covers 12 and 13 are joined by the hinge 14. The reinforcing member 15 is glued to the covers to extend across the hinge 14, the portion 13 on one side of the hinge constituting a top binder element and the portion 16 a bottom binder element. The element 15 is slitted at 17 to provide the top binding member 18, which has pairs of slots 19 therein. The member 15 is slitted to provide the tongues 20. The parts are engaged with the sheets substantially as shown in Figs. 2 and 3.

In each of the embodiments, the tongues, receiving slots and the end edges of the binding element or flap are relatively disposed so that the tongues may be first folded over the end edges of the binding element and then inserted in the tongue receiving slots, as shown in Fig. 2 or the tongues may be first inserted through the slots and then through adjacent slots as shown in Fig. 6. Folding the tongues over the end edges of the binding element is advantageous in the event that the tongue receiving slots of the filler sheets are disposed outwardly beyond the end edges of the binding element as shown in Fig. 2.

My binding is particularly well adapted for filing purposes. It is very economical to produce and effectively holds the sheets. There are no metal parts to corrode or manipulate. I have illustrated certain embodiments or adaptations which I consider highly practical.

I have not attempted to illustrate other embodiments or adaptations, as it is believed that this disclosure will enable those skilled in the art to embody or adapt my invention as may be desired.

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

1. A binder comprising front and rear covers formed of a single sheet scored to provide a hinge connection for the covers, and a reinforcing strip of fabric adhesively secured throughout the inner side of the rear cover with the upper edge of the strip extending to the upper edge of the cover, the cover and reinforcing strip having substantially spaced parallel slits extending from the upper edges thereof to provide an inwardly

3

foldable binding flap, the binding flap having spaced pairs of parallel vertical slots adjacent the end edges thereof, the cover and reinforcing strip having horizontally disposed flexible sheet binding tongues cut therefrom in inwardly spaced relation to the inner edge of the binding flap and in alinement with the slots of the binding flap when the binding flap is in infolded position, the attached ends of the tongues being adjacent the ends of the binding flap so that the tongues may be threaded through openings provided in sheets to receive them and through the slots of the binding flap.

2. A binder comprising front and rear covers formed of a single sheet scored to provide a hinged connection for the covers, and a reinforcing strip adhesively secured to the inner side of the rear cover, the cover and reinforcing strip having substantially spaced parallel slits extending from the outer edges thereof to provide an inwardly foldable binding flap, the binding flap having spaced pairs of slots, the cover and reinforcing strip having horizontally disposed flexible sheet binding tongues cut therefrom in inwardly spaced relation to the inner edge of the binding flap and in alinement with the slots of the binding flap when the binding flap is in infolded position, so that the tongues may be threaded through openings provided in sheets to receive them and through the slots of the binding flap.

3. A binder comprising a cover formed of a fibrous sheet stock, and a reinforcing strip of fabric adhesively secured to the inner side of the cover with the outer edge of the strip extending to the corresponding edge of the cover, the cover and reinforcing strip having substantially spaced parallel slits extending from the outer edges thereof to provide a binding flap, the binding flap having spaced pairs of slots therein, the cover and reinforcing strip having tongues cut therefrom in inwardly spaced relation to the inner edge of the binding flap and in alinement with the slots in the binding flap when the binding flap is in infolding position, the attached ends of the tongue being positioned with one slot so that the tongues may be threaded through openings provided in sheets to receive them and through the slots.

4. A binder comprising a cover formed of a fibrous sheet stock, and a reinforcing strip adhesively secured to the inner side of the cover at one edge thereof, the cover and reinforcing strip having substantially spaced parallel slits extending from the outer edges thereof to provide a binding flap, the binding flap having spaced pairs of slots therein, the cover and reinforcing strip having tongues cut therefrom in inwardly spaced relation to the inner edge of the binding flap and in alinement with the slots in the binding flap when the binding flap is in infolded position, the attached end of the tongues being positioned so that the tongues may be threaded through openings provided in sheets to receive them and through the slots.

5. A binder comprising a cover formed of a fibrous sheet stock, and a reinforcing strip of fabric adhesively secured to the inner side of the cover, the cover and reinforcing strip having slits therethrough to provide a binding flap having its opposite end edges spaced from the opposite side edges of the cover, said binding flap being hinged at a side edge thereof to the cover, the binding flap having spaced pairs of slots therein, the cover and reinforcing strip having tongues

4

cut therefrom in inwardly spaced relation to the inner edge of the binding flap adapted to be threaded through openings provided in sheets to receive them and through the slots, said tongues having hinged edges disposed substantially at right angles to the hinged edge of the binding flap and being swingable in a plane substantially parallel to the hinged edge of the binding flap, the sheet stock, fabric and adhesive connection therebetween providing a degree of stiffness to the tongues as to facilitate the ready insertion thereof through the slots of the binding flap, the fabric of the tongues facilitating a substantial pull on the tongues after insertion through said slots without breakage of the tongues, said slots in a direction parallel to the hinged edges of the tongues to the cover each being of dimensions not less than the width of the tongues to permit the tongues to be inserted through the slots without twisting the tongues and to permit the tongues to lie flat against the binding flap, said cover including front and rear cover members for the filler sheets and means for hingedly connecting said cover members, said tongues being hingedly joined to a portion of the rear cover member disposed in the plane thereof, the slots of each pair of slots being parallel to each other, each tongue being insertable through both slots of a pair of slots.

6. A binder comprising a cover composed of flexible material and having slits therethrough to provide a binding flap hinged at one edge, said binding flap having opposite end edges disposed transversely said hinged edge and in spaced relation from opposite side edges of the cover, said binding flap having tongue receiving openings therein, said cover having other slits therethrough to provide tongues having hinged edges each extending in directions transversely the hinged edge of the binding strip, said tongues being swingable in a plane substantially parallel to the hinged edge of the binding flap and insertable through the tongue receiving openings of the binding flap, said openings in a direction parallel to the hinged edges of the tongues to the cover each being of dimensions not less than the width of the tongues to permit the tongues to be inserted through the openings without twisting the tongues and to permit the tongues to lie flat against the binding flap said cover including a flat rear cover member for supporting filler sheets, said tongues being hingedly joined to a portion of the rear cover member disposed in the plane thereof.

DUNCAN RICE.

## REFERENCES CITED

The following references are of record in the file of this patent:

## UNITED STATES PATENTS

Number	Name	Date
631,863	Shepherd	Aug. 29, 1899
1,049,602	Rodenhi	Jan. 7, 1913
1,092,060	Langford	Mar. 31, 1914
1,467,294	Aydelotte	Sept. 11, 1923
2,133,069	Williamson	Oct. 11, 1938
2,265,276	Farkas	Dec. 9, 1941
2,289,949	Wisdom	July 14, 1942

## FOREIGN PATENTS

Number	Country	Date
110,104	Great Britain	Oct. 11, 1917