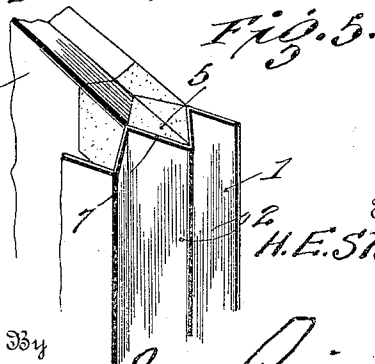
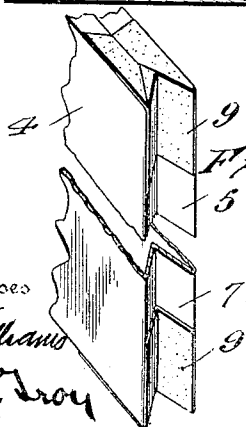
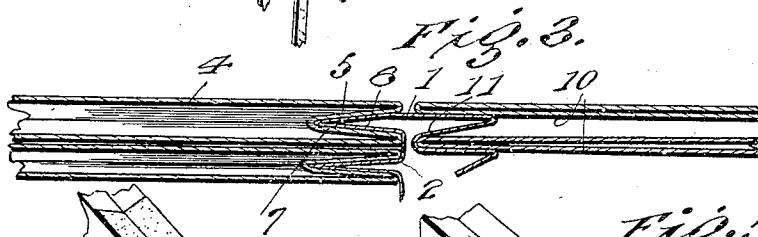
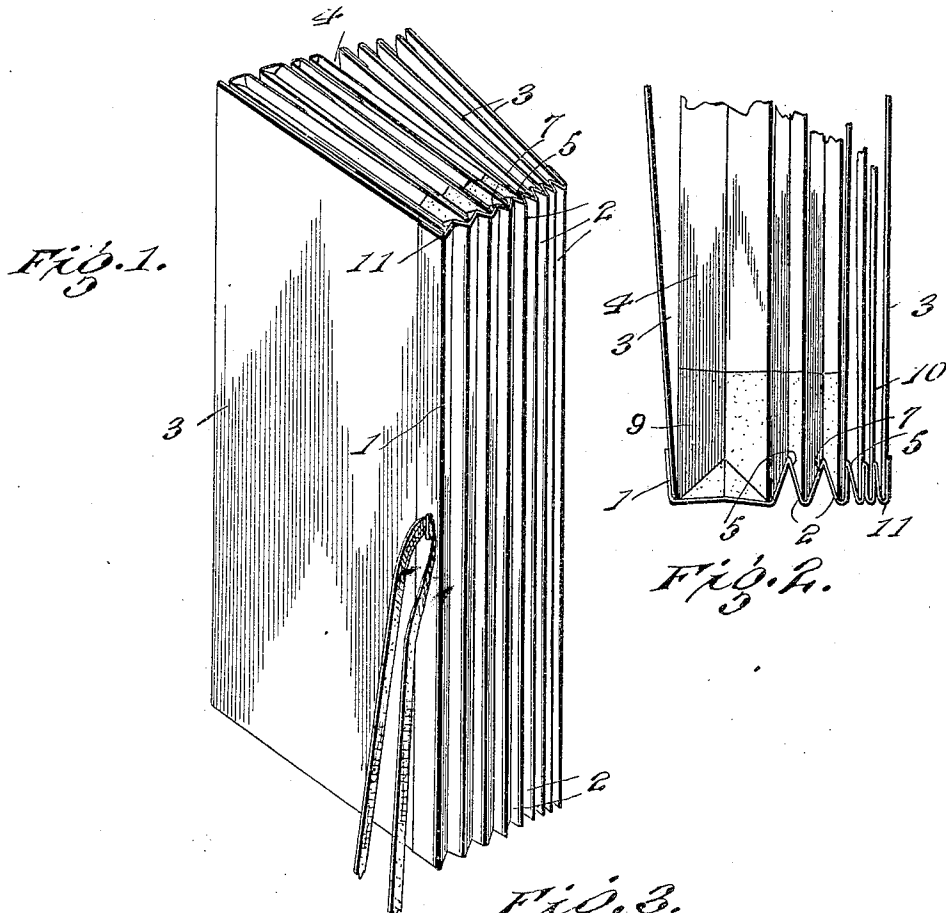


H. E. SHEDD.
EXPANSIVE FILE.

APPLICATION FILED SEPT. 20, 1910.

979,213.

Patented Dec. 20, 1910.



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EXPANSIVE FILE.

979,213.

Specification of Letters Patent.

Patented Dec. 20, 1910.

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To all whom it may concern:

Be it known that I, HUGH E. SHEDD, citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Expansive Files; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in expansible binders.

The object of the invention is to provide means for conveniently arranging in a compact form a plurality of envelopes of the gusset type, so that the same may be used in bound form to obtain all the advantages derived from a single envelop of this character.

A further object of the invention is to provide a binder of such construction which will permit of assembling in convenient form a plurality of plain and gusset envelopes.

In carrying out my invention I employ a plaited expansible binder, the plaits of which are glued or otherwise secured to the gusset of an envelop, so that all the collapsible and expansible features of a single gusset envelop are maintained when a series of them are arranged in assembled relation on the binder.

In my Patent No. 916,206, dated March 23, 1909, I disclose an expansive file wherein a plait of the binder is attached to one side of an envelop or leaf, to secure a series of them in file form. However experience has proven that this construction is not practical for use, when envelopes of the gusset type are used, and furthermore when the envelop contained more than a few documents the file became cumbersome and awkward to handle. But by adapting a plaited binder of the same width of the gussets on the envelop I obtain a file which will hold a larger number of papers and at the same time preserve all the advantages and characteristics of the construction disclosed in the before mentioned patent.

The invention also comprehends improvements in the specific details of construction

and arrangement of parts which will be hereinafter described, and particularly pointed out in the claims.

In the drawings:—Figure 1 is a perspective view of my improved binder. Fig. 2 is an enlarged side elevation, parts being broken away. Fig. 3 is a detail transverse section, showing the file open. Fig. 4 is a detail view of one of the gusset envelopes, the gusset being turned inward. Fig. 5 is a detail view of a gusset envelop, the gusset being turned outward.

The same numerals refer to like parts in all the figures.

1 indicates a binder which equals the width of the envelops, and is constructed of strong, thin and quite stiff cloth, and is formed into a series of plaits 2. To each end of the binder is secured a stiff outside leaf or cover 3, between which the envelops are held.

The envelops 4 which form the intermediate leaves or members, may be of different type to afford convenience in retaining papers, but I prefer envelops having a gusset 5 formed at their bottoms. These gussets may be turned inward, as shown in the preferred embodiment of the invention, or they may extend outwardly as shown in Fig. 5.

The plaits 2, of the binder are glued or otherwise secured to the folds 7, of the gusset of the envelop, as indicated at 8, so that when the file is folded the plaits and folds of the gussets are nested together in accordion form.

The gussets may be reinforced by end protecting strips 9, to strengthen the file and add to its durability.

Plain envelops indicated at 10, may be assembled on the binder with the gusset envelops in which case the plaits 2 will be glued, or otherwise secured to the lower edges, as indicated at 11.

From the foregoing description it will be seen that the binder and the folds of the envelops are of the same length, and that the file may be collapsed or expanded without any strain being placed on the strip. Furthermore it will be obvious that the construction will permit of the flat opening at any compartment in the file, as the plaits of the binder form hinge connections between the envelops or compartments.

As far as I am aware, it has heretofore been found impractical to bind a series of

gusset envelops in such manner as would permit of, and retain all the expansive and collapsing features of a gusset envelop.

What I claim is:—

- 5 1. A file of the character described, comprising a plaited binder, and a plurality of expansible envelops having folding gussets, the plaits of the binder being secured to the folds of the gussets on one edge of the en-
10 velops.
2. A file of the character described, comprising a plaited binder, and a plurality of expansible envelops having inwardly folding gussets, the inwardly folding plaits of
15 the binder being secured to the inward folds of the gussets on one edge of the envelops.
3. A file of the character described, comprising a plaited binder, and a plurality of
20 ing gussets corresponding to the width of the plaits of the binder, the outer surfaces of the inwardly folding gussets on one edge of the envelops being secured to the surfaces of the plaits throughout their entire width.

4. A file of the character described, comprising a plaited binder, a plurality of en- 25
velops having inwardly folding gussets, the folds of the gussets receiving the plaits of the binder and being secured thereto, and a series of compartments secured at their
30 edge portions, each to one side portion of a different plait of said binder.

5. A file of the character described, comprising a plaited binder, a plurality of compartments formed with infolding gussets, a 35
reinforcement for each end of the gussets and means for securing the plaits or infolds of the binder to the reinforcements in the gussets and to the surfaces of the gussets
40 throughout the entire meeting surfaces.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HUGH E. SHEDD.

Witnesses:

M. J. KENNEDY,
W. A. WRIGHT.