

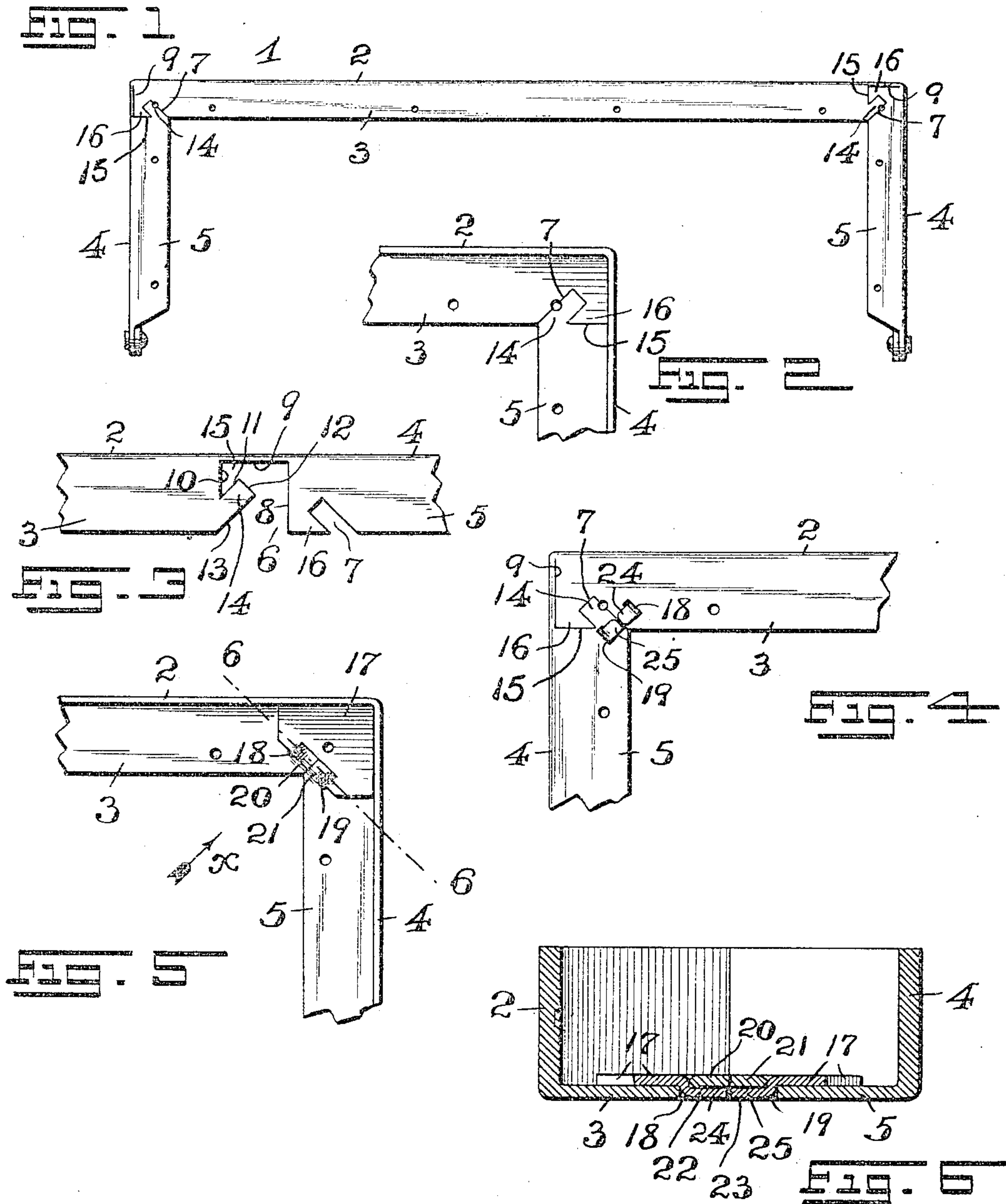
No. 787,165.

PATENTED APR. 11, 1905.

A. F. FULLER.

BAG FRAME.

APPLICATION FILED DEC. 2, 1904.



WITNESSES:

Geo. L. Richards.
F. H. W. Fraentzel.

FIG. 7

INVENTOR:

Albert F. Fuller,

BY

Fred C. Fraentzel,
ATTORNEY

UNITED STATES PATENT OFFICE.

ALBERT F. FULLER, OF NEWARK, NEW JERSEY, ASSIGNOR TO THE J. E. MERGOTT COMPANY, A CORPORATION OF NEW JERSEY.

BAG-FRAME.

SPECIFICATION forming part of Letters Patent No. 787,165, dated April 11, 1905.

Application filed December 2, 1904. Serial No. 235,150.

To all whom it may concern:

Be it known that I, ALBERT F. FULLER, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Bag-Frames; 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 figures of reference marked thereon, which form a part of this specification.

This invention has reference to improvements in the manufacture of frame-sections for bags and purses, and especially for traveling, chatelaine, and similar bags; and the invention has for its principal object to provide a simply-constructed bag-frame section comprising a main body and downwardly-extending legs or pivot members at the respective end portions of said main body, the said body and each pivot member comprising a pair of surface members bent at right angles to each other, or approximately so, and the said main body and said pivot members providing a frame-section having sharp angular corners.

A further object of this invention is to provide a novel means for positively connecting the bent or right-angled portions of the members of the frame-section at the points where the pivot members are connected with the main body at right angles without the use of rivets and without causing the metal to pucker or crack or break at the said corners during the process of bending the parts and to produce a neat and sharp corner-angle, as will hereinafter appear.

Other objects of this invention not at this time more particularly mentioned will be clearly understood from the following description of the invention.

The invention consists, primarily, in the novel construction of frame-section hereinafter more particularly set forth; and, furthermore, this invention consists in the various arrangements and combinations of the devices

and parts, as well as in the details of the construction of the same, all of which will be more fully described in the following specification, and then finally embodied in the clauses of the claim, which are appended to and form an essential part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a face view of a bag-frame section comprising a main body and its pivot members bent at right angles to said main body, the parts being secured in their angular relation by means embodying the principles of the present invention. Fig. 2 is an inner or rear view of one of the bent corner portions of a frame-section on an enlarged scale, and Fig. 3 is a face view of a portion of the main body of the frame-section and a portion of one of its connected pivot members before the latter is bent and secured in its angular and bent relation to the said main body. Fig. 4 is a face view, and Fig. 5 a rear view, of a right-angled or sharp-corner portion of a frame-section provided with an additional holding-clip or angle-plate for securing the parts in their connected and fastened relation. Fig. 6 is a vertical cross-section, on an enlarged scale, the said section being taken on line 6 6 in said Fig. 5 looking in the direction of the arrow *xx*; and Fig. 7 is a perspective view of the form of angle-clip or angle-plate employed with the construction shown in said Figs. 4, 5, and 6.

Similar characters of reference are employed in the above-described views to indicate corresponding parts.

Referring now to the said drawings, the reference character 1 indicates a complete frame-section embodying the principles of my present invention, the same comprising a main body portion 2 and right-angled lip 3 and the end or pivot members 4, each member 4 being also provided with a right-angled lip 5, substantially as illustrated. From an inspection more especially of Figs. 1, 2, and 3 of the drawings it will be seen that during the process of producing the angularly-bent frame member or section, consisting of the said main

body 2 and its pivot members 4 before they are bent at right angles to the said body, the said frame member or section is made at the points where said member or section is to be bent to produce the said above-mentioned main body 2 and its pivot members 4 with the peculiarly-shaped cut-away or open portions 6 and 7, the opening 6 being bounded by the marginal edge portions 8, 9, and 10, arranged at right angles to one another, substantially as shown, and with the marginal edges 11, 12, and 13, forming a projection or retaining-lug 14, extending at an acute angle from the edge 10 into the said space 6 and in a direction toward the edge 9, thus providing a triangularly-shaped open part 15, into which a correspondingly-shaped lug or projection 16, located between the edge 8 and the opening 7, is forced into holding and locked engagement when the parts are bent at right angles at a point upon the edge 9 midway between the said edges 8 and 10, at the same time the projection lug or tongue 14 being forced into holding or locked engagement with the said opening 6, all of which will be clearly understood from an inspection of the said several figures of the drawings. By application of pressure upon these parts when in their engaged relation they are sufficiently spread that they will be securely retained in their locked relation, (shown in Figs 1 and 2 of the drawings,) whereby the pivot members are rigidly connected at right angles to the main body portion of the said frame-section. It will thus be seen that I have produced a simple means for connecting the said pivot members with the main body of the frame-section for providing bag-frame sections with sharp angular corners to produce a neat and strong frame in which the puckering or cracking of the metal at the corners of the frame-section during the process of the manufacture of the same is entirely overcome.

If desired, an extra binding-plate, clip, or angle-plate 17 may be secured upon and over the inner corner portions of the connected members of the frame-section, as clearly indicated in Figs. 4, 5, and 6 of the drawings.

When a clip or angle-plate 17 of the character shown in Fig. 7 is used at each corner of the frame-section, then the lip portion 3 of the main body 2 is provided with suitably-shaped and suitably-disposed openings 18, and each lip portion 5 of each pivot member 4 is provided with a suitably-shaped and suitably-disposed opening 19, the adjacent portions of the lip 3 of the body 2 and the lip portion 5 of the pivot member 4 being respectively provided with the inwardly-depressed portions 20 and 21, forming suitable receiving-pockets 22 and 23, respectively, and as clearly illustrated in Fig. 6 of the drawings. The clip or angle-plate 17 is preferably made of a triangular configuration, as shown, so as to be neatly

fitted in the produced corner of the frame-section, as shown in Fig. 5 of the drawings, the clip or angle-plate being provided with suitably-arranged and downwardly-extending lugs or tongues 24 and 25, which are passed through the respective openings 18 and 19 and are then bent toward each other, so as to lie, respectively, within the pockets or receiving depressions 22 and 23 in the manner clearly illustrated in Fig. 6 of the drawings. By finally applying more pressure upon these parts when thus assembled all the said parts will be tightly bound together, and there is then no possibility of the said pivot members when thus connected at right angles with the main body of the frame-section becoming separated by distortion from the frame-section due to any undue strain that may be brought upon the corners of the completed frame.

I am aware that some changes may be made in the general arrangements and constructions of the said parts without departing from the scope of my present invention, for it will be well understood that the marginal configuration of the dovetailed parts of the lip portions of the main body and the pivot members of the frame-section may be variously changed, and, furthermore, the clip or angle-plate when used may be of any suitable shape and marginal configuration. Hence I do not limit my invention to the exact arrangements and combinations of the parts as described in the foregoing specification and as illustrated in the accompanying drawings, nor do I confine myself to the exact details of the construction of the said parts.

Having thus described my invention, what I claim is—

1. A bag-frame section, comprising a main body and a pivot member at each end of said main body, the said main body and each pivot member being provided with dovetailed holding portions, all arranged to provide a flush surface and a sharp angle at the juncture of each pivot member with the main body, substantially as and for the purposes set forth.

2. A bag-frame section, comprising a main body and a pivot member at each end of said main body, the said main body and each pivot member being provided with dovetailed holding portions, all arranged to provide a flush surface and a sharp angle at the juncture of each pivot member with the main body, an angle-plate arranged over the said connected parts, and means for securing said angle-plate in position, substantially as and for the purposes set forth.

3. A bag-frame section, comprising a main body and a pivot member at each end of said main body, the said main body being formed with a lug-receiving opening 15 and a retaining-lug 14, and said pivot members being provided with an opening 7 and a retaining-lug 16, each pivot member being bent at a right

angle to said main body, said lug 16 being arranged in said opening 15, and said lug 14 being arranged in said opening 7, all constructed to provide a flush surface and a sharp angle at the juncture of each pivot member with the main body, substantially as and for the purposes set forth.

4. A bag-frame section, comprising, a main body and a pivot member at each end of said main body, the said main body being formed with a lug-receiving opening 15 and a retaining-lug 14, and said pivot members being provided with an opening 7 and a retaining-lug 16, each pivot member being bent at a right angle to said main body, said lug 16 being arranged in the said opening 15, and said lug 14 being arranged in said opening 7, all constructed to provide a flush surface and a sharp angle at the juncture of each pivot member with the main body, an angle-plate arranged over the said connected parts, and means for securing said angle-plate in position, substantially as and for the purposes set forth.

5. A bag-frame section, comprising a main body having a right-angled lip portion, and a pivot member at each end of said main body, each pivot member being provided with a right-angled lip portion, the lip portions of the said main body and the said pivot members being provided with dovetailed holding portions, all arranged to provide a flush surface of the said connected lip portions and a sharp angle at the juncture of each pivot member with the said main body, substantially as and for the purposes set forth.

6. A bag-frame section, comprising a main body having a right-angled lip portion, and a pivot member at each end of said main body, each pivot member being provided with a right-angled lip portion, the lip portions of the said main body and the said pivot members being provided with dovetailed holding portions, all arranged to provide a flush surface of the said connected lip portions and a sharp angle at the juncture of each pivot member with the said main body, an angle-plate arranged over the said connected parts, and means for securing said angle-plate in position, substantially as and for the purposes set forth.

7. A bag-frame section, comprising a main body having a right-angled lip portion, and a pivot member at each end of said main body, each pivot member being provided with a right-angled lip portion, the lip portion of the main body being formed with a lug-receiving opening 15, and a retaining-lug 14, and the lip portion of each pivot member being provided with an opening 7 and a retaining-lug 16, each pivot member being bent at a right angle to said main body, said lug 16 being arranged in said opening 15, and said lug 14 being arranged in said opening 7, all constructed to provide a flush surface of the

said connected lip portions and a sharp angle at the juncture of each pivot member with the main body, substantially as and for the purposes set forth.

8. A bag-frame section, comprising a main body having a right-angled lip portion, and a pivot member at each end of said main body, each pivot member being provided with a right-angled lip portion, the lip portion of the main body being formed with a lug-receiving opening 15, and a retaining-lug 14, and the lip portion of each pivot member being provided with an opening 7 and a retaining-lug 16, each pivot member being bent at a right angle to said main body, said lug 16 being arranged in said opening 15, and said lug 14 being arranged in said opening 7, all constructed to provide a flush surface of the said connected lip portions and a sharp angle at the juncture of each pivot member with the main body, an angle-plate arranged over the said connected parts, and means for securing said angle-plate in position, substantially as and for the purposes set forth.

9. A bag-frame section, comprising a main body having a right-angled lip portion, and a pivot member at each end of said main body, each pivot member being provided with a right-angled lip portion, the lip portion of the main body being formed with a lug-receiving opening 15, and a retaining-lug 14, and the lip portion of each pivot member being provided with an opening and a retaining-lug 16, each pivot member being bent at a right angle to said main body, said lug 16 being arranged in said opening 15, and said lug 14 being arranged in said opening 7, all constructed to provide a flush surface of the said connected lip portions and a sharp angle at the juncture of each pivot member with the main body, and each lip portion of the said main body and said pivot members being provided with openings 18 and 19 and receiving depressions 22 and 23, respectively, an angle-plate arranged over said connected parts, and means connected with said plate for securing it in position, consisting of holding-lugs on said plate inserted through said openings 18 and 19 and arranged and secured in said receiving depressions 22 and 23, substantially as and for the purposes set forth.

10. A bag-frame section, comprising a main body and a right-angled pivot member at each end of said main body, the said main body and said right-angled pivot members each being provided with a right-angled lip portion, all arranged to provide sharp angular connections between said parts, an angle-plate arranged over the junction of the right-angled lip portion of the main body with the lip portion of each pivot member, said lip portions having receiving-openings and receiving depressions, and means connected with said angle-plate which is arranged over the said lip

portions of the said main body and said pivot
members for securing said angle-plate in po-
sition, consisting of holding-lugs on said an-
gle-plate inserted through said openings and
5 arranged and secured in said receiving de-
pressions, substantially as and for the pur-
poses set forth.

In testimony that I claim the invention set
forth above I have hereunto set my hand this
1st day of December, 1904.

ALBERT F. FULLER.

Witnesses:

J. E. MERGOTT,
FREDK. C. FRAENTZEL.