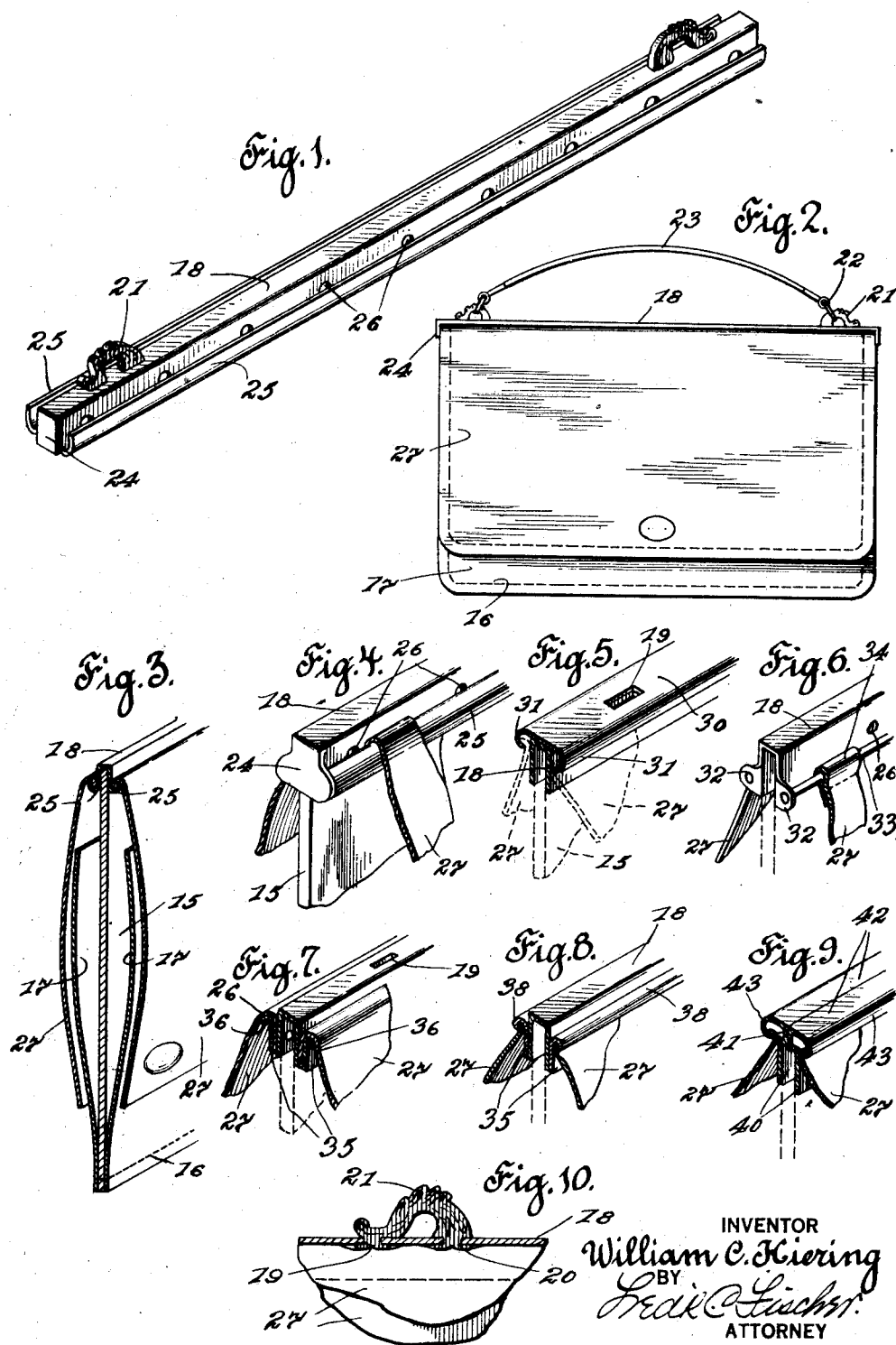


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BAG FRAME STRUCTURE
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BAG-FRAME STRUCTURE.

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This invention relates generically to frames for hand carried containers and more particularly to types having compartments for the segregation of articles contained therein.

Bags of this character usually consist of a frame structure composed of hinged metallic elements to which the covering is attached, the present invention consisting in the provision of a single longitudinal bar frame member, entirely dispensing with the ordinary hinged structure.

A further feature is to provide means whereby a bag is produced of unusual lightness and strength, at a materially reduced cost and which is highly attractive in appearance.

These and other advantages will appear in the following specification, taken in connection with the accompanying drawing constituting an important portion of the disclosure, and in which:—

Figure 1 is a perspective view showing in detail a preferred form of the frame bar.

Figure 2 is a front elevational view of a bag made in accordance with the preferred form of the invention.

Figure 3 is a transverse sectional view of Figure 2.

Figure 4 is a perspective view showing a fragmentary upper corner of the bag.

Figures 5 to 9 inclusive illustrate different modifications of the bag top rail construction.

Figure 10 is a fragmentary longitudinal sectional view illustrating the manner of attaching the handle engaging elements.

In the drawing the numeral 15 denotes a thin flat plate of firm material, such as indurated fibre, strong cardboard or other similar suitable material, the outline of which conforms to the shape of the bag and having a straight upper edge.

Secured to the lower and end edges of the plate 15 on its opposite sides, as indicated at 16, are a pair of flexible sheets 17, as leather, presenting open topped pockets between their inner surfaces and the plate, their upper edges extending to a lesser height than the edge of the plate.

The upper edge of the plate 15 is rigidly engaged within the channel of a metal bar 18 extending the full length of the bag mouth, the upper connecting member of the channel being perforated suitably as at 19

to receive lugs 20 of a pair of ornamental flat eyes 21 the lugs being upset to become permanently fixed on the bar, affording a secure anchorage for rings 22 in which the ends of a handle 23 is fixed.

The channel bar ends 24 are down-turned at right angles to close the channel and may be extended laterally to provide a cover to extend over the rolled lateral edges or beads 25 of the bar as best seen in Figure 4.

A series of perforations 26 are formed through the side walls of the channel to receive rivets whereby the channel is firmly held to the edge of the plate.

Previous to the final closing operation of the curled elements 25, the upper edges of the bag flap coverings 27 are entered in the partially closed beadings, thereafter to be securely gripped and held by closing the edges of the beads tightly thereon, these flaps being provided with snap fasteners or like connecting devices to retain articles in the pockets.

Figure 5 shows a plain channel bar 18 as having attached to its upper outer surface a separate flat metal strip 30, perforated to receive the handle anchorages 20 and coiled to produce longitudinal down-turned beads 31, ultimately closed upon the entered edges of the bag side flaps 27.

In Figure 6 the lower portion of the channel side ends are bent outward at right angles, as at 32, and pierced to receive the ends of fixed rods 33, extending from end to end of the structure and adapted to receive loops 34 formed on the upper edges of the side flaps 27.

Another modification, disclosed in Figure 7, shows a plain metallic channel 18 to the outer side faces of which the upper edges of the flaps 27 are securely held by metal strips 35 having at their upper edges outwardly curled elements 36 over which the flap material is disposed, the strips being held by rivets passed through the walls of the channel.

Figure 8 is quite similar to the foregoing, except that metal strips 35 are direct connected to the channel sides, the strips having beads 38 on their upper edges to engage and securely clamp the flap material therein.

The variation shown in Figure 9 discloses two opposed longitudinal strips 40 bent at right angles inwardly to present between them a channel to be affixed on the edge of

the plate 15, and having raised juxtaposed members 41 outturned at their level tops 42, the outer edges being curved reentrantly, forming beads 43, to clamp the material 5 against the outer faces of the channel elements 40, which are connected firmly together by any approved means.

From the foregoing, it may be seen that a compact, frameless bag has been disclosed 10 showing a single bar element in a number of forms and while the several embodiments have been described with considerable detail, it is not intended that the same be construed as limitative, but merely illustrative, 15 as further changes may be made without the exercise of invention or conflicting with the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by 20 Letters Patent, is:—

1. A frameless bag comprising in combination with a flexible body having a thin unitary plate of firm material extending from end to end and top to bottom, of a 25 channel bar fixed on the upper edge of said support, outer cover walls for the bag and means associated with said bar for carrying the outer cover walls.

2. In a frameless bag, the combination 30 with the body and the covers thereof, of a stiff partition extending coincidently with the edges of the bag, a channel shaped bar extending lengthwise at the top of said partition, and means carried by said bar to permanently clamp the covers of the bag. 35

3. In a frameless bag, the combination

with the body thereof, of a stiff partition extending coincidently with the edges of the bag, a channel shaped bar mounted centrally thereon to extend the full length of the bag, 40 flap covers for said body, and means on said bar to positively engage said covers permitting them to be raised and lowered.

4. In a frameless bag, the combination 45 with a body comprising a substantially rigid unitary plate constituting the foundation of the bag, of a channel shaped bar mounted centrally thereon to extend the full length of the bag, flap covers for said body, and means on said bar to positively engage 50 said covers permitting them to be raised and lowered, and means for attaching a handle to said bar.

5. A bag comprising a flat unitary center plate, flexible pockets attached on opposite 55 sides of said plate at their bottom and end edges, a metallic channel secured to the upper edge of said plate, flaps disposed over said pockets, and curled elements combined with said channel to support said 60 flaps.

6. A bag comprising a flat plate, flexible pockets attached on opposite sides of said plate, at their bottom and end edges, a 65 metallic channel secured to the upper edge of said plate, flaps disposed over said pockets, and curled beads carried on the lateral elements of the channel to clamp the upper edges of said flaps.

This specification signed this twenty-first 70 day of May, 1926.

WILLIAM C. HIERING.