

July 6, 1926.

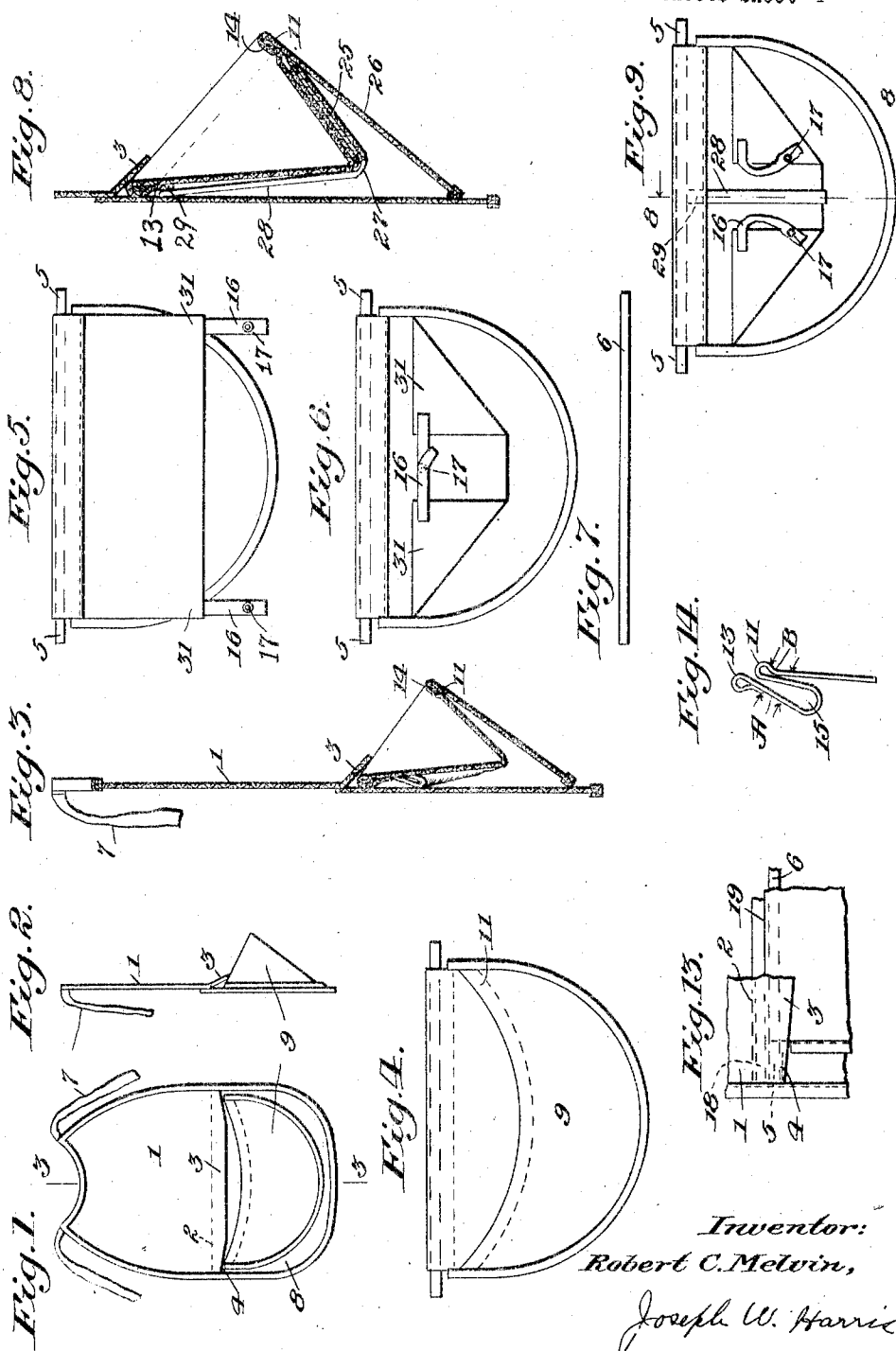
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1,591,721

BIB

Filed April 23, 1926

2 Sheets-Sheet 1



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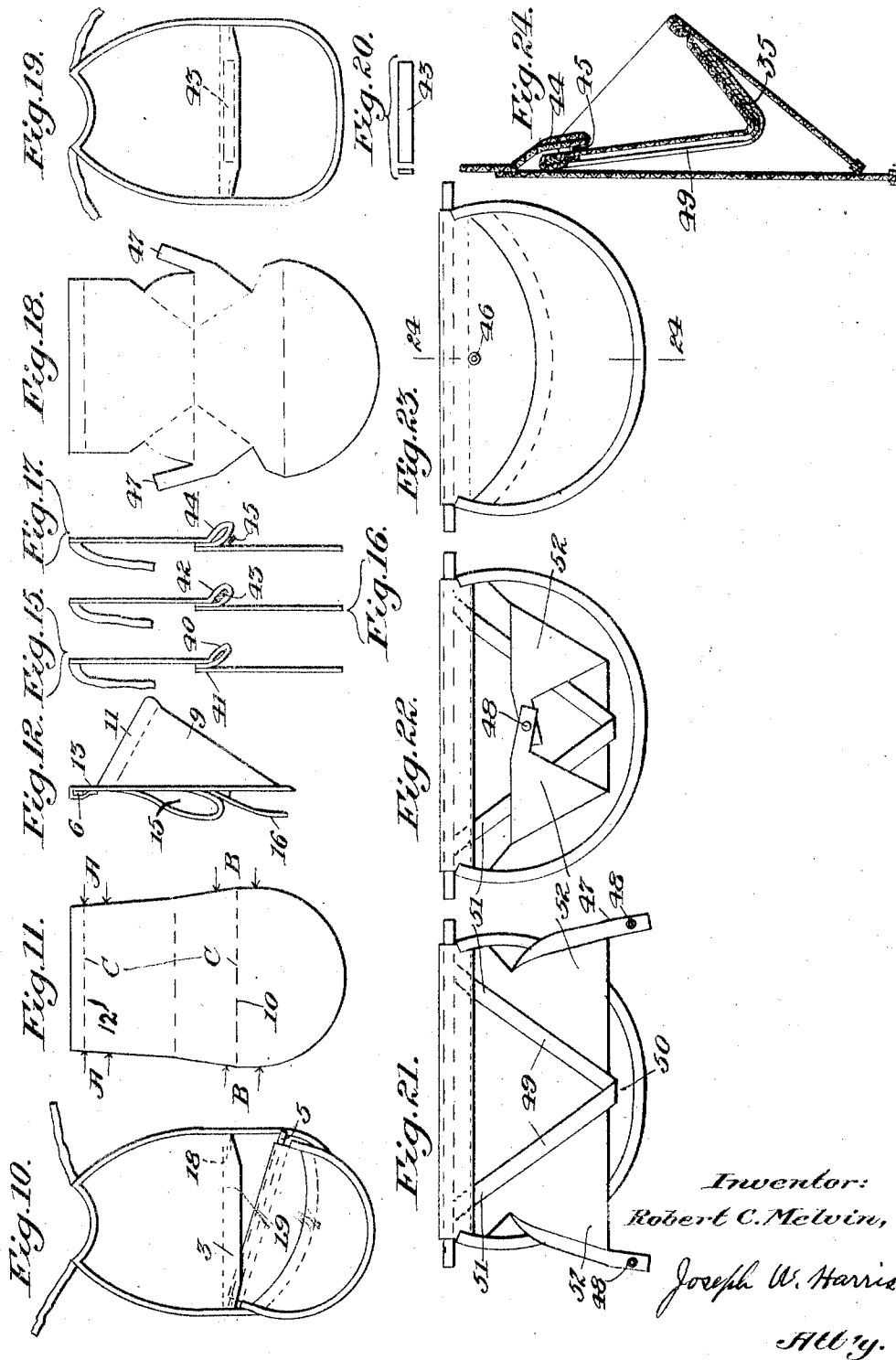
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2 Sheets-Sheet 2



## UNITED STATES PATENT OFFICE.

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BIB.

Application filed April 23, 1926. Serial No. 104,094.

This application is a continuation in part of my earlier application filed December 14, 1925, Serial Number 75,418.

This invention relates to improvements in bibs for use by young children when eating.

An object of the invention is to provide a bib that carries a pocket or pouch to catch particles of solid or liquid food dropped by the wearer when eating;

A further object is to provide a bib that may be readily washed, that is sanitary, and waterproof;

A further object is to provide a bib with a pocket or pouch that will always remain distended, while being worn, and that will not leak at the corners;

Further objects will appear upon reading the specification.

In the accompanying drawings, Figure 1 is a front view of a complete bib;

Figure 2 is a side view of the same;

Figure 3 is an enlarged view of a section on the line 3—3 of Figure 1;

Figure 4 is a front view of the detached pocket of the bib in Figure 1;

Figure 5 is an enlarged rear view of the detached pocket, with the open ends of the pocket unfolded;

Figure 6 is an enlarged rear view of the detached pocket, with the open ends of the pocket folded and held together by snap-button-tapes.

Figure 7 is a view of removable resilient strip of whalebone, spring metal, etc.;

Figure 8 is a view of a longitudinal section of one form of a modification on the line 8—8 of Figure 9, showing a reinforcing member to keep the pocket distended;

Figure 9 is a rear view of the modified pocket of Figure 8, with the open ends of the pocket folded but the tapes disconnected, and showing a part of the reinforcing member;

Figure 10 is a front view of the bib, with the pocket partly attached to the apron portion;

Figure 11 is a plan view of the shape of the material for the pocket section before it is folded and sewed;

Figure 12 is a side view of the sewed pocket, showing the open end through which it is washed;

Figure 13 is a detail view showing the suspension of the pocket;

Figure 14 illustrates the folding of the cloth to make the pocket;

Figure 15 is an edge view of the apron portion of a further modification, showing a "looped" flap;

Figure 16 is an edge view of the apron portion of the modification, with the "looped" flap containing a piece of whalebone, spring metal, etc.;

Figure 17 is an edge view of the apron portion of the modification, with the "looped" flap bearing a snap button fastener;

Figure 18 is an outline plan of the approximate shape of the material for the pocket section of the modification, showing in dotted lines the places where the material is folded, and showing the integral "tapes";

Figure 19 is a front view of the apron portion, showing the flap, and its resilient stiffening member in dotted lines;

Figure 20 is an edge and front view of the resilient stiffening member shown in Figure 19;

Figure 21 is a view of the rear of the pocket section after folding and sewing with the open ends of the pocket unfolded, and the tapes disconnected, and showing the V-shape supporting brace extending from the lower center to the outer ends of the upper edge;

Figure 22 resembles Figure 21, but with the open ends of the pocket folded and the tapes connected;

Figure 23 is a front view of the pocket showing a snap button fastener to be attached to the flap shown in Figure 17, and

Figure 24 is a view of a section on the line 24—24 of Fig. 23.

In Figure 1, the apron portion of the bib consists preferably of two pieces, of suitable water-proof cloth, for example "stork cloth"; sewed on the line 2, leaving a depending flap 3, the latter being sewed at the ends 4, Figs. 1 and 13, to provide small recesses or little pockets 18 to receive the protruding ends 5 of the removable resilient whalebone strip 6. The upper portion of the apron 1 is suitably cut to fit around the neck, and is provided with tapes 7 by which it is fastened to the child. The lower portion 8 of the bib serves as an apron to protect the clothing.

The pocket section 9 is made of a piece of waterproof cloth, such as "stork cloth"

etc., shaped generally as in Figure 11, and sewed or bound around the edges. The upper edge is folded on the line 12 and sewed, as illustrated in Figs. 12 and 14 to form a hem or tubular seam 13, through which is inserted a resilient strip of whalebone, steel, etc., 6, Figure 7. The piece of cloth is now folded at its widest part on the line 10, and sewed to form a hem or tubular seam 11, Figures 3, 4, 8 and 14, in which is inserted a resilient strip 14, Figs. 3 and 8. The cloth is now folded as shown in Figure 14, and the end portions of the contacting edges on both sides, indicated on Figures 11 and 14 at A and B, are sewed together, enclosing the resilient strip 14 in its hem 11, and forming an open ended pocket 15, Figures 12 and 14 of the portion C of the cloth due to the increased length of the hem 11 and strip 14, the portion C being the upper portion shown in Figure 11.

At the lower outer edges 31 of the pocket 15, see Fig. 5, on each side are sewed tapes 16, carrying snap button fasteners 17, or other attaching means by which the ends of the pocket 15 are held together as shown in Figure 6. Any other suitable holding means may be used. If the cloth used is of a stiff material, such as waterproof canvas, the resilient strip 14 will keep the pocket distended, as indicated in Figures 3, 12, etc.

The depending flap 3 of the part 1 is sewed at each corner at 4 to provide little pockets 18, as indicated in the detail Figure 13, and in which are inserted the protruding ends 5 of the resilient strip 6, as indicated in Figures 10 and 13; the top edge 19 of the pocket section fitting behind and being concealed by the flap 3, as shown in Figs. 1, 3, 8, etc., the flap forming a guard and deflecting droppings of foods into the pocket.

Where a thin quality of waterproof cloth is used for the bib, an additional stiff member may be used to keep the pocket distended. This additional stiff member 25 is in a generally upright position and is indicated in Figure 8, and consists of a piece 25 of whalebone, spring steel, etc., enclosed in a hollow tape, and attached to the inside upper part of the fold 26, Figure 8, close to, or within, seam 11. The stiffening member 25 preferably extends to the band 27, from which point the hollow tape 28 extends up on the inside and is sewed to the hem 13 at 29, Figure 9. The stiff member 25 may extend around within the hollow tape 28 if desired.

The stiff member 25 serves to support the outer upper edge of the pocket containing the member 14, and thereby aids in keeping the pocket distended. The pocket shown in Figures 8 and 9 is attached to the apron in the same manner as the pocket in Figures 1, 3, 4, 6, etc., by placing the pro-

truding end 5 on one side of the pocket in the little pocket 18 at the left, see Figures 10 and 13, then flexing the resilient strip 6 and inserting the other end 5 in the remaining little pocket 18 at the right of the bib, and the flap 3 placed outside of the upper edge 19, as shown in Figures 1, 3, and 8. The pocket remains distended during use due to the greater length of the edge containing the resilient member 14; and with the bibs made of thin material, due also to the stiff member 25.

When it is desired to wash the bib, the pocket is removed from the aprons and the tapes 16 disconnected; this will open the ends as shown at 15, and permits the quick and convenient washing out of particles of food that have fallen into the pocket.

In the further modification shown in Figures 15 to 24 inclusive, the "flap" 40, in Figure 15 is folded double and sewed at 41, the double thickness providing a looped flap of additional stiffness, and preventing any tendency to curl, and more effectively providing a deflecting covering for the joint between the pocket and the apron. In Figure 16, the looped flap 42 is provided with a resilient piece of whalebone 43, or spring metal, etc., as shown in Figure 23 and in dotted lines in the apron in Figure 19. In Figure 17, the looped flap 44 is provided with one part of a snap button fastener 45, the other part of the fastener 46 being shown in Figure 23 on the pocket. When the snap fastener modification is used, the flap and pocket are fastened together, which further tends to support the pocket.

The material to form the pocket is cut approximately on the outline shown in Figure 18, the folds to be made on the dotted lines, the cut pattern having integral tapes 47—47 to the ends of which are attached snap button fasteners 48, Figure 21. The integral tapes 47 are more economical in manufacture than the sewed tapes 16, shown in Figure 9. In Figure 21 is also shown the V-shaped supporting braces 49, which connects at the bottom at 50 with a stiff member 55, Figure 24, corresponding to member 25, shown in Figure 8; and at their upper ends the braces 49 are sewed to the folded top of the pocket at the rear as at 51, 51; this arrangement increases the support given to the pocket section, or "catch-all" in that the two ends 51, 51 tend to hold the stiff member 55. Figure 24, central at all times, the pull coming from the points of support at the places where the member 5 enters the little pockets 18, see Figure 13. Upon folding the corners 52, 52 of the pocket, and connecting the tapes 47 with the snap fastener 48, the pocket is held firm yet flexible. After use, the pocket may be washed out as described with the earlier modification.

I claim:

1. A bib comprising an apron, a bib pocket, said pocket having a removable stiffening member, a flexed stiffening member, said flexed stiffening member secured in a flexed condition to maintain the pocket distended, said pocket comprising a piece of folded material having the front and back secured at the upper corners and having an opening at the side, securing means attached to the corners of the open pocket, said securing means arranged to hold said corners folded back to form a water-holding pocket, and means to attach the pocket to the apron.

2. A bib comprising an apron, a bib pocket, said apron having an overhanging flap, said flap sewed at the corners leaving little pockets, said flap having a portion extending below the bottom of said little pockets, said bib pocket provided with a tubular hem at the upper edge, a removable stiff strip in said hem, the ends of said strip protruding beyond the edges of the bib pocket, said ends arranged to fit in said little pockets and support said bib pocket, said flap arranged to cover the tubular hem and deflect droppings into the bib pocket, said pocket having openings at the edges and means to hold the open edges in an upturned position and thereby forming a water-holding pocket.

3. A bib comprising an apron, a bib pocket, said apron having an overhanging flap, said flap sewed at the corners leaving little pockets, said flap having a portion extending below the bottom of said little pockets, said bib pocket provided with a tubular hem at the upper edge, a removable stiff strip in said hem, the ends of said strip protruding beyond the edges of the bib pocket, said ends arranged to fit in said little pockets and support said bib pocket, said flap arranged to cover the tubular hem and deflect droppings into the bib pocket, said bib pocket having openings at the edges, a substantially upright stiffening member supported in position to hold up the upper outer edge of the pocket, and means to hold the open edges of the pocket in an upturned position and thereby forming a water-holding pocket.

4. A bib comprising an apron, a bib pocket, said apron having an overhanging flap, said flap sewed at the corners leaving little pockets, said flap having a portion extending below the bottom of said little pockets, said bib pocket provided with a tubular hem at the upper edge, a removable stiff strip in said hem, the ends of said strip protruding beyond the edges of the bib pocket, said ends arranged to fit in said little pockets and support said bib pocket, said flap arranged to cover the tubular hem and deflect droppings into the bib pocket, said bib pocket having a flexed stiffening member,

said flexed member secured to the outer upper edge of the pocket, a supporting stiff member, said supporting member located adjacent one of the walls of the pocket and arranged to hold up the edge containing the flexed member, said bib pocket having openings at the edges, and means to hold the open edges in an upturned position and thereby forming a water-holding pocket.

5. A bib comprising an apron, a bib pocket, said pocket having a removable stiffening member, a flexed stiffening member, said flexed stiffening member secured in a flexed condition to maintain the pocket distended, said pocket comprising a piece of folded material having the front and back secured at the corners and having an opening at the side, securing means integral with the corners of the open pocket, said securing means arranged to hold said corners folded back to form a water-holding pocket, means to attach the pocket to the apron, and a flap attached to the apron and hanging over the top of the bib pocket.

6. A bib comprising an apron, a bib pocket, said apron having an overhanging flap, said flap sewed at the corners leaving little pockets, said flap having a portion extending below the bottom of said little pockets and constructed to support a strip of stiffening material, said bib pocket provided with a tubular hem at the upper edge, a removable stiff strip in said hem the ends of said strip protruding beyond the edges of the bib pocket, said ends arranged to fit in said little pockets and support said bib pocket, said flap arranged to cover the tubular hem and deflect droppings into the bib pocket, said pocket having openings at the edges and integral extensions of the edges of the pocket provided with means to hold the open edges in an upturned position and thereby forming a water-holding pocket.

7. A bib comprising an apron, a bib pocket, said apron having an overhanging flap, said flap sewed at the corners leaving little pockets, said flap having a depending portion extending below the bottom of said little pockets and overhanging the top of the bib pocket, means attaching the depending portion to the bib pocket, said bib pocket provided with a tubular hem at the upper edge, a removable stiff strip in said hem the ends of said strip protruding beyond the edges of the bib pocket, said ends arranged to fit in said little pockets and support said bib pocket, said bib pocket having openings at the edges, and integral extensions of the edges of the pocket provided with means to hold the open edges in an upturned position and thereby forming a water-holding pocket.

8. A bib comprising an apron, a bib pocket, said bib pocket provided with a tubular hem at the upper edge, said apron

having an overhanging flap, said flap sewed at the corners leaving little pockets, said flap having a depending portion extending below the bottom of said little pockets, means  
5 holding said depending portion against the top of the bib-pocket, a removable stiff strip in said tubular hem, the ends of said strip protruding beyond the edges of the bib pocket, said ends arranged to fit in said little  
10 pockets and support said bib pocket, said bib pocket having openings at the edges, a substantially upright stiff member supported in position to hold the upper outer edge of the pocket, the lower end of said stiff member  
15 associated with the jointed part of a V-shaped brace, the extremities of the V-shaped brace extending along the reverse side of the pocket and connected to the top of said pocket near the ends of the tubular hem.  
20 9. A bib comprising an apron, a bib pocket, said bib pocket provided with a tubular hem at the upper edge, said apron having an overhanging flap, said flap sewed at the corners leaving little pockets, said  
25 flap having a depending portion extend-

ing below the bottom of said little pockets, means holding said depending portion in water-shedding relation to the top of the bib pocket, a removable stiff strip in said tubular hem, the ends of said  
30 strip protruding beyond the edges of the bib pocket, said ends arranged to fit in said little pockets and support said bib pocket, said bib pocket having openings at the edges, a substantially upright stiff mem- 35 ber supported in position to hold the upper outer edge of the pocket, the lower end of said stiff member associated with the jointed part of a V-shaped brace, the extremities of the V-shaped brace extending along the re- 40 verse side of the pocket and connected to the top of said pocket near the ends of the tubular hem, integral extensions to the open edges of said bib pocket, and means associated with said extensions to hold the edges 45 folded in water-holding relation.

In testimony whereof I hereby affix my signature.

ROBERT C. MELVIN.