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2,881,447

DISPOSABLE BIB WITH TYING STRIPS

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FIG. 1

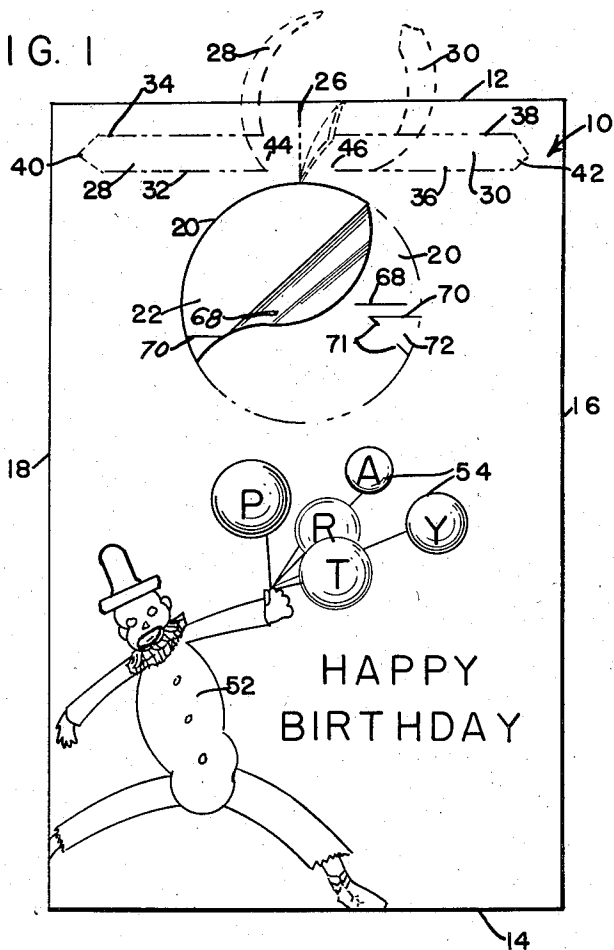


FIG. 2

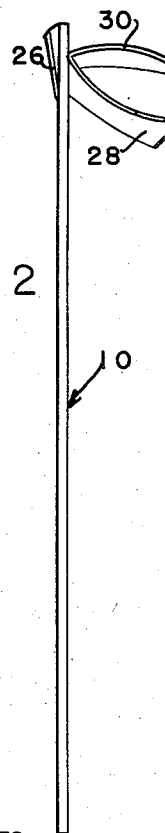


FIG. 3

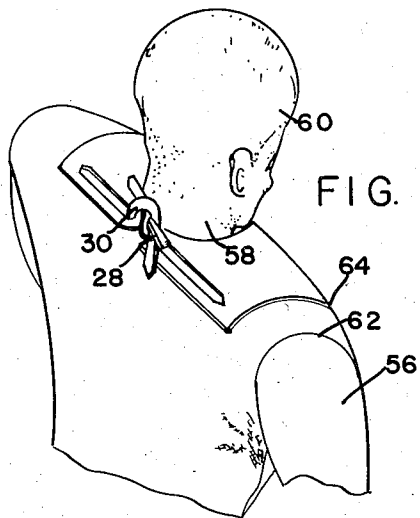
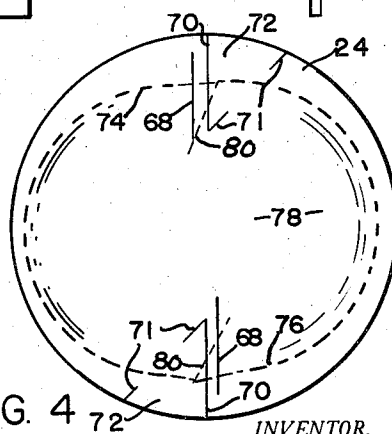


FIG. 4



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DISPOSABLE BIB WITH TYING STRIPS

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1 Claim. (Cl. 2—49)

This invention relates to a disposable bib with tying strips and especially to a bib of that sort which is a flat sheet of material modified in a new manner to provide from the material sheet itself the necessary parts to hold the bib around the neck with the bib extending properly to cover the front.

There are numerous bibs in the prior art and in public use which attach about the neck and extend to cover the front of the wearer. Most of these are baby bibs for repeated use and are made from durable plastic or cloth. While my bib may also be made in a durable form from lasting material, it is particularly useful to be made from disposable material, such as coated paper, with all parts formed from the sheet itself rather than by addition of fasteners or tie strings or clips or gummed tape as is necessary in some other devices. It has been found that plastic coated paper performs well as the material for my bib.

Accordingly, the bib of this invention is especially valuable for mass production at a low unit cost and can be sold in packages of several for a small price making it possible and desirable that these be used at special times and occasions like children's parties where disposable items are the best to use. In line with this, one main advantage found in this invention through the use of the novel strip formation in conjunction with a neck opening makes it possible to manufacture the tying strips right from and into the basic bib sheet whereby the strips can be pulled out from the flat sheet when used.

Generally described, my invention comprises a sheet of material, preferably disposable coated paper, of a square or rectangular or other planar figure shape with one side defined as the neck attaching side, a neck opening is provided by partially cut lines forming a removable piece which itself may be used as a container for candies or nuts or the like simply by folding as shown hereinafter, leading to, and from the neck side edge, to intersect with the lines forming the removable neck piece is a partially cut access line which can be torn along to open the neck side to the neck opening with material on each side of said cut line, a pair of opposed tear strips are formed respectively on each side of said access line, each being formed by a pair of partially severed lines extending in spaced relation to each other and joining to form a terminal end with the other end still integral with the main sheet providing a connecting hinge about which the strip may be folded, said neck opening being positionable about the neck through said access line to position said pair of tear strips behind the neck, and said strips being bendable and foldable about their own respective hinge line to engage each other for tying to retain said bib on the neck.

A primary object of this invention is to provide retaining means on a bib which can be formed from the bib sheet itself without addition of retaining parts.

In conjunction with the above stated object is the advantage in the manner of achieving this of having tying

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members which come from the sheet and are normally a flat portion thereof.

Another object is the arrangement of my bib which permits manufacture by die cutting flat sheets at the same time forming all necessary parts including the retaining or tying members.

Additional objects will be found and other advantages will become apparent upon reading the following specification in conjunction with the accompanying drawings, wherein:

Fig. 1 is a flat plan view of the bib viewed flat with the parts normally in the sheet body plane moved by dotted lines for use of the bib.

Fig. 2 is a side elevation view of the bib in Fig. 1 showing the edge thereof and with the tie strips partially moved from the plane of the sheet.

Fig. 3 is a perspective view of a person having the present bib positioned on the neck thereof with the tie strips interlocking therebehind.

Fig. 4 is a top plan view of the removed neck piece or plug folded into a nut cup or the like in dotted lines by interlocking tabs.

In Fig. 1 the bib 10 is formed from a flat sheet of material, preferably inexpensive coated paper to resist moisture, and in this particular embodiment is of rectangular shape with top edge 12, bottom edge 14, and side edges 16, 18. Top edge 12 is the neck positioning edge and has formed as by scoring along partially severed lines 20 a neck opening 22 formed upon removal of the neck plug or piece 24 which is simply torn and bent out of position along the lines 20. Leading to the neck opening 22 is an access line 26 formed by scoring therealong or perforating same into the line 20 of the neck opening.

Tear tying strips 28, 30 are formed on opposite sides of line 26 extending transversely of the sheet along edge 12. Each strip 28, 30 is formed by a pair of spaced perforated or scored lines 32, 34 and 36, 38, respectively, extending in the same direction and each intersecting at the ends thereof in a respective end 40, 42 with the other end 44, 46 of each respective strip still attached integral with the main sheet thereby providing a hinge portion 48, 50, respectively, along which said respective strip may be bent.

For purpose of decoration, a comical figure 52 or other design with balloons 54 may be printed on the face of the sheet and any other decoration of whatever motif or theme is suitable for the intended use, such as Happy Birthday or the like.

In the operation of the device, strips 30, 28 are torn from the sheet and bent, as shown in Fig. 1 dotted lines, and the access line 26 opened by tearing to the neck opening 22 after having removed the plug 24. The bib 10 is then positioned about the neck as shown in Fig. 3 wherein the person 56 with neck 58, head 60, shoulders 62, and chest 64 has bib 10 with neck 58 in opening 22. With neck opening 22 about the neck 58, tear strips 28, 30 are bent therebehind and tied in any suitable fashion.

Plug 24 makes into a very useful cup for holding nuts or candies or anything else. Die cut or otherwise cut on the plug 24 is a lock tab arrangement consisting of a cut slot 68 near one edge and parallel with said slot runs a line cut along 70 from the edge with a notched, cut line 71 intersecting therewith forming an "arrowhead" lock tab 72. An identical arrangement is formed on the directly opposite side of the plug 24.

After the plug 24 is removed, as is seen in Fig. 4, the plug is placed flat on a surface and the "arrowhead" lock tab 72 on one side is inserted through and into the slot 68 and the identically formed "arrowhead" lock tab 72 on the other side inserted into its slot 68. In doing this, flat plug 24 has been pinched from its flat position to a

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cup-like position 74 in the dotted lines of Fig. 4 wherein sides 74, 76 of the newly formed cup 78 are slightly raised to form (dotted lines in Fig. 4) the container. A smooth junction is formed at 80 (dotted lines in Fig. 4) where lock tabs 72 meet their respective limit of insertion in slots 68.

While I have shown and described a particular form of my invention and it is pointed out now that various changes may be made, there are some variations, alterations, substitutions, modifications, and eliminations which may be made therein without departing from the scope of my invention as defined in the appended claim.

I claim:

In a disposable bib adapted to be formed in one piece from sheet material, a flat, flexible bib sheet portion having a removable neck plug portion spaced inwardly from adjacent one edge thereof, said bib portion having a slit forming a neck entrance leading from said edge into said neck portion, a first elongated tear tab defined on said material by opposed lines spaced inwardly from said marginal edge and extending in the same direction from a hinge line portion adjacent said neck opening entrance on one end of said tab, said lines intersecting and being connected at the other end of said tab thereby making said tab removable at said end and hinged to said sheet at the other end, a second elongated tear tab defined on said material by opposed lines spaced inwardly from said

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marginal edge and extending from one end of said tab in the same direction from a hinge line portion adjacent said neck opening entrance, said lines intersecting and being connected at the other end of said tab thereby making said tab removable at said end and hinged to said sheet at the other end, said tabs initially being part of and contained within said main bib sheet spaced from said marginal edge on opposite sides of said neck entrance, said tabs being each severable from said main sheet and bendable along its respective lines at the hinge portion toward the entrance opening to pull said tabs from the outer end along their hinged inner ends so that both tabs are brought into tying engagement with each other, said neck entrance slit being openable to admit the neck into the neck opening, said tabs being brought into overlapping engagement with each other and being tied behind said neck opening when said neck opening is about the neck, whereby said bib is held in place solely by means of tabs from the bib sheet itself.

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