

May 5, 1964

J. G. MURPHY ETAL  
DISPOSABLE APRON MEANS

3,131,399

Filed March 11, 1963

2 Sheets-Sheet 1

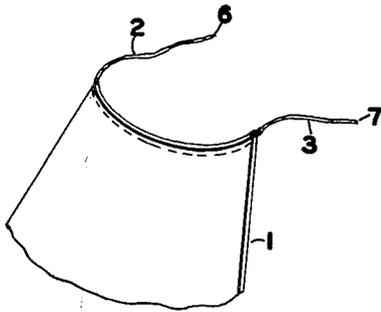


FIG 1

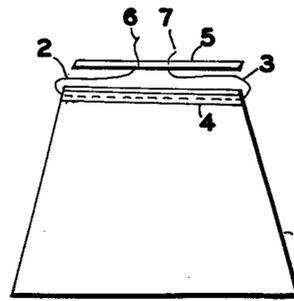


FIG 2

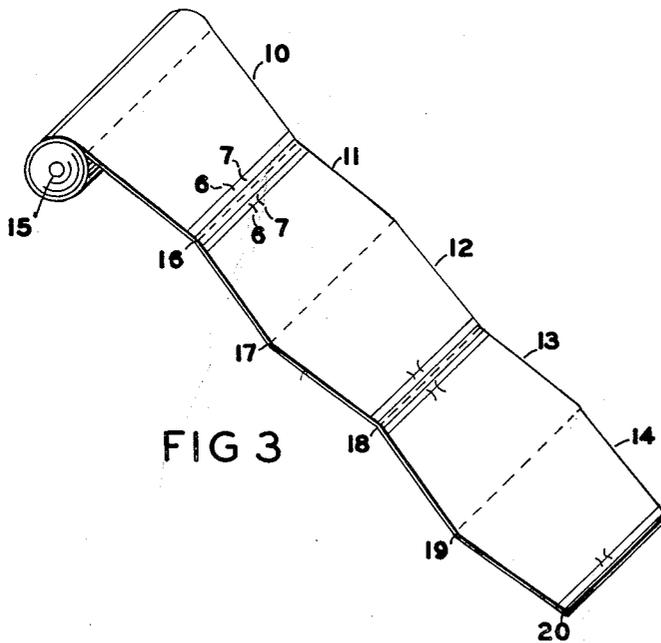


FIG 3

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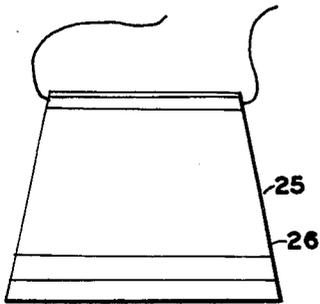


FIG 6

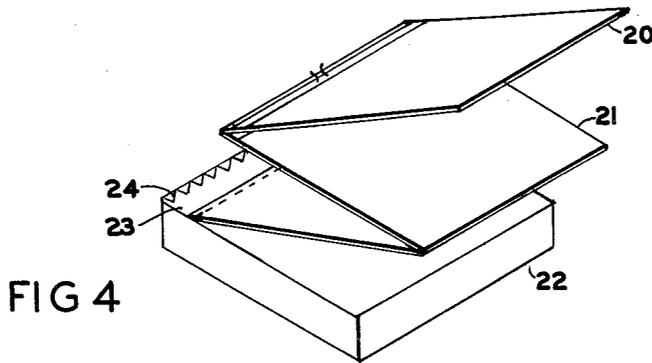


FIG 4

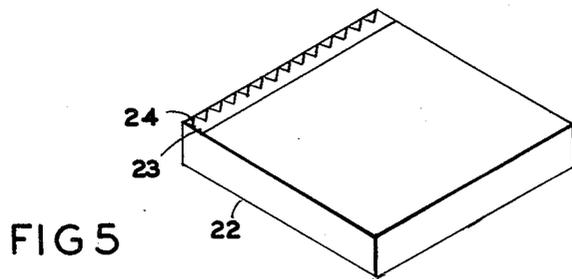


FIG 5

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3,131,399

**DISPOSABLE APRON MEANS**

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10 Claims. (Cl. 2-48)

This invention relates to disposable apron and bib means and more particularly to such means with roller type dispensing means.

There is a need for disposable aprons and bibs in order to eliminate the work of washing and ironing aprons and bibs which may become badly stained and therefore difficult to wash. It is also difficult to wash and iron the tie strings since they generally get tangled up in the washing machine and dryer with all the other contents thereof, creating bunches which greatly detracts from the washing and drying action of the machines. Also due to the tie strings, aprons and bibs are difficult to handle and dispense even though they are made in disposable form.

The present invention provides a disposable apron or bib wherein the string is concealed behind a tear tape on the waist band. When it is desired to use the apron the tear tape may be removed or the string is ripped through it and the apron is then ready to be used.

Since the strings are covered until needed, the disposable aprons and bibs may be dispensed from rollers like paper towels. The aprons and bibs of the present invention may be fabricated in a single web with perforations, so that one apron or bib may be torn off and be used.

More specifically, the tie strings are secured with two tapes along the waist edge of the apron. The string is secured to a paper apron with a first tape. The string is then folded over the first tape. A second tape is then laid on the first tape and string securing the string and at the same time the ends of the strings are put through the center of the second tape so that they extend slightly. When it is desired to use the aprons the string ends are merely pulled through the upper tape and fastened around the waist.

Accordingly, a principal object of the present invention is to provide new and improved apron means.

Another object of the invention is to provide new and improved dispensing means for disposable aprons and bibs.

Another object of the invention is to provide new and improved apron and bib means with a roller type dispenser.

Another object of the invention is to provide new and improved apron and bib means having the tie strings secured with a tear through tape.

Another object of the invention is to provide new and improved disposable apron or bib means having one edge dimension adapted to fit approximately one half way around the user's waist, a first tape secured along said edge, a string placed between said first tape and said paper, a second string mounted on said first tape, the ends of said string extending through said second tape adjacent the center of said tape, said strings being adapted to be ripped through the second tape for using the apron or bib.

Another object of the invention is to provide new and improved apron or bib means comprising a continuous web, of aprons or bibs, having perforated separating points and having a tie string connected thereto by means of tear through tapes.

These and other objects of the invention will be apparent from the following specification and drawings of which:

FIGURE 1 is a perspective view of the embodiment of the invention.

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FIGURE 2 is a plan view, partly exploded, of the embodiment of FIGURE 1.

FIGURE 3 is a perspective view of a roller dispensing the aprons of the embodiment of FIGURE 1.

FIGURES 4, 5, and 6 are perspective views of other embodiments of the invention.

Referring to the figures, FIGURE 1 is a view of an apron 1 having tie strings 2 and 3 which are secured to the body of the apron by means of a tape which will be described. The body of the apron can be a single layer as laminated paper or a paper product such as a craft paper coated with plastic, so that outside will be mostly absorbent and the plastic coating will be water proof to prevent spillage from coming through the apron. There are innumerable paper and plastic coated products which would be suitable. If desired the outer side of the apron may be printed over with a decorative design and made in a variety of pleasing colors.

The string may be any of a number of different types, but is preferably thin enough to be easily fastened by the tape which will be described and strong enough for ripping through the tear tape and for normal usage in fastening an apron about the waist, or fastening a bib about the neck of the user. The string may include ribbons or tapes and may be of cotton, elastic, plastic or equivalent materials.

The embodiment of FIGURE 1 is also suitable for use as a bib. However, in such case the size would be chosen smaller than if the use was to be an apron. A typical size for an apron would be about 16 inches across the top, 20 inches along the bottom, and about 16 inches deep. The size may be varied as desired. The dimensions for the bib would be proportionally smaller and smaller yet if the bib were for small children. However, the same proportions would be preferable.

FIGURE 2 shows apron blank 1, and the tape construction is exploded to show how string is fastened to the body 1. In attaching the string, the string is laid across adjacent the top edge of the apron on either side and fastened thereto by the tape 4. This tape may be of paper or plastic pressure sensitive tape or other equivalent. The ends of the string are then folded back towards the center portion and a small portion of the ends are drawn through a second tape 5 adjacent to the center. This tape 5 is then cemented down on the first tape 4 so that the only thing extending are the two ends of the strings 6 and 7. Alternatively, the two tapes and string may be assembled and then applied to the web.

The second tape 5 is primarily to hold the string in a covered manner so that the apron may be dispensed. The tape 5 is not relied for strength and is designed as a tear through tape preferably of light paper, so that by holding the ends 6 and 7 in the fingers, they may be ripped through the tape 5 thereby providing sufficient length to tie around the waist of the user. Alternatively, the tape 5 may be removed completely when it is desired to release the string. The top edge of the apron 1 can fit around approximately one-half of the waist of the user and the length of the string is sufficient to tie around the waist of the user. The length of the string is not critical since the string preferably has sufficient elasticity.

FIGURE 3 shows a plurality of aprons 10 through 14 which are fabricated from a single web of material which is mounted on the roller 15. The web contains a series of perforations 16, 17, 18, 19, and 20, so that one apron may be easily torn off the dispenser and used as described. The roller may be mounted in a convenient place for instance under a kitchen shelf.

Note that the aprons are preferably back to back in the web in order to simplify the cutting of the web. In other words, the top portions of the aprons abut each

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other and the lower portions abut each other. This procedure also simplifies the application of the string and tapes to the web. Two sets of tapes may be placed on the web simultaneously thereby saving time in production.

The aprons and bibs may be of any desired size and shape and the edges may be scalloped, pinked, notched, or have other decorative edges. Also various designs may be printed on the aprons or bibs including decorative designs for parties, novelty use, holidays, and also advertising material if desired.

FIGURE 4 shows another embodiment of the invention wherein the aprons or bibs 20, 21, etc. are folded and slide in a box 22.

As shown in FIGURE 5, the box 22 has a slot 23, one edge which has a serrated edge 24 for tearing off the aprons.

FIGURE 6 shows a modification of the invention comprising, an apron 25, which is the same as the previously described but it has a pocket 25. This pocket would be useful especially when the aprons or bibs are used for children. They can catch crumbs or spillage of liquids.

Many modifications may be made by those who desire to practice the invention without departing from the scope thereof which is defined by the following claims:

We claim:

1. A disposable apron comprising;
  - a sheet of material having one edge dimensioned to fit approximately half way around the waist of the user,
  - a first tape secured along said edge,
  - a tie string secured between said first tape and said material along substantially the entire length of said tape,
  - a second tape mounted on said first tape, the ends of the string being folded back between said first and second tapes and extending through said second tape adjacent the center of said edge,
  - said string being adapted to be pulled entirely through said second tape.
2. An apron as in claim 1 wherein said material is plastic coated paper.
3. A plurality of aprons as in claim 1 in a continuous web,
  - said web being perforated across at spaced lines and being wound on a roller.
4. A plurality of aprons as in claim 3 wherein said material is plastic coated paper.
5. A disposable bib comprising;
  - a sheet of disposable material having one edge dimensioned to fit approximately half way around the neck of the user,
  - a first tape secured along said edge,
  - a tie string secured between said first tape and said material along substantially the entire length of said tape,
  - a second tape mounted on said first tape, the ends of

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the string being folded back between said first and second tapes and extending through said second tape adjacent the center of said edge, said string being adapted to be pulled entirely through said second tape.

6. A plurality of bibs as in claim 5 in a continuous web, said web being perforated across at spaced lines and being wound on a roller.

7. A disposable cover member comprising; a sheet of disposable material having one edge dimensioned to fit approximately half way around the user,

a first tape secured along said edge, a tie string secured between said first tape and said material along substantially the entire length of said tape,

a second tape mounted on said first tape, the ends of the string being folded back between said first and second tapes and extending through said second tape adjacent the center of said edge, said string being adapted to be pulled entirely through said second tape.

8. A plurality of cover members as in claim 7 in a continuous web, said web being perforated across at spaced lines and being wound on a roller.

9. A plurality of cover members as in claim 7 in a continuous web, said web being folded and perforated across at spaced lines,

a box adapted to receive said folded web, said box having a slot with a cutting edge.

10. A disposable cover member comprising, a sheet of disposable material having one edge dimensioned to fit approximately half way around the user, a first tape secured along said edge, a tie string secured between said first tape and said material along substantially the entire length of said tape,

a second tape mounted on said first tape, the ends of the string being folded back between said first and second tapes and extending through said second tape adjacent the center of said edge, said string being adapted to be pulled entirely through said second tape, and a pocket member mounted on said lower portion of said cover member.

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