July 12, 1938. S. ROSENTHAL 2,123,208

FLY STRUCTURE FOR OVERALLS, TROUSERS, AND THE LIKE

Filed Feb. 1, 1935

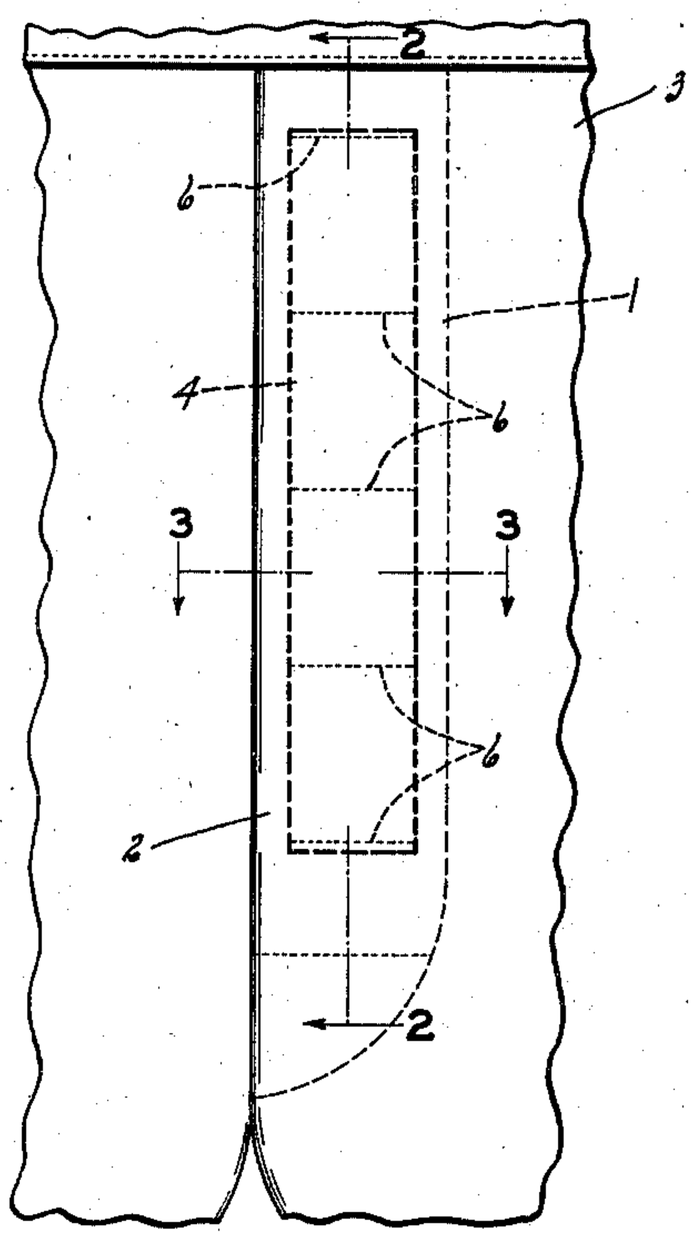

FIG.-1

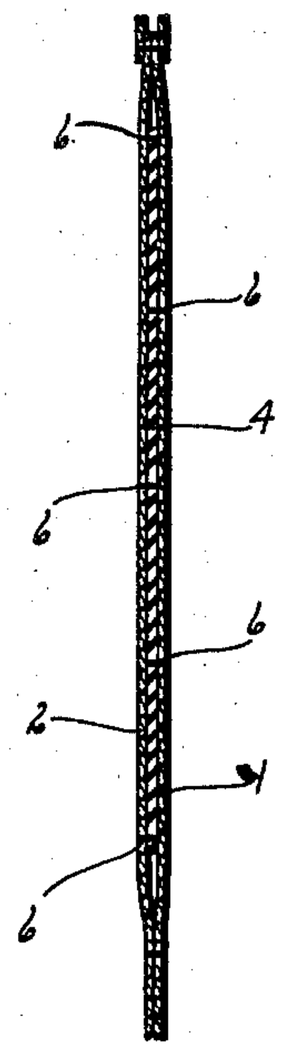

FIG.-2

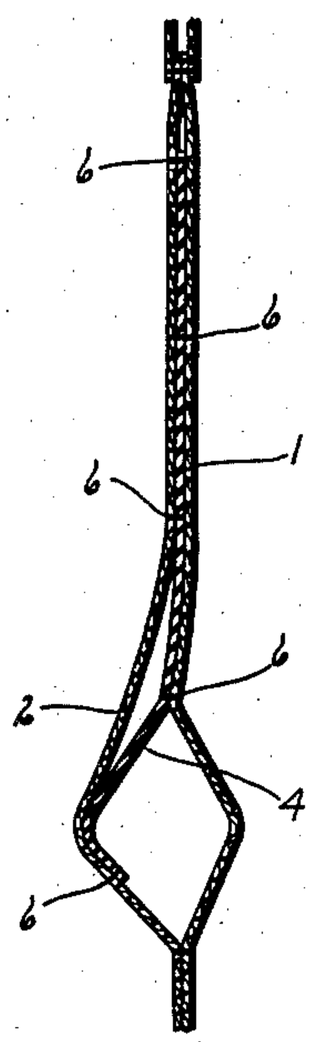

FIG.-4

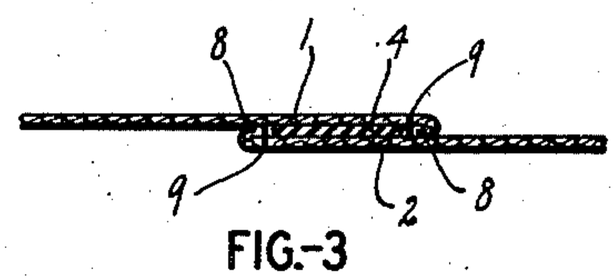

FIG.-3

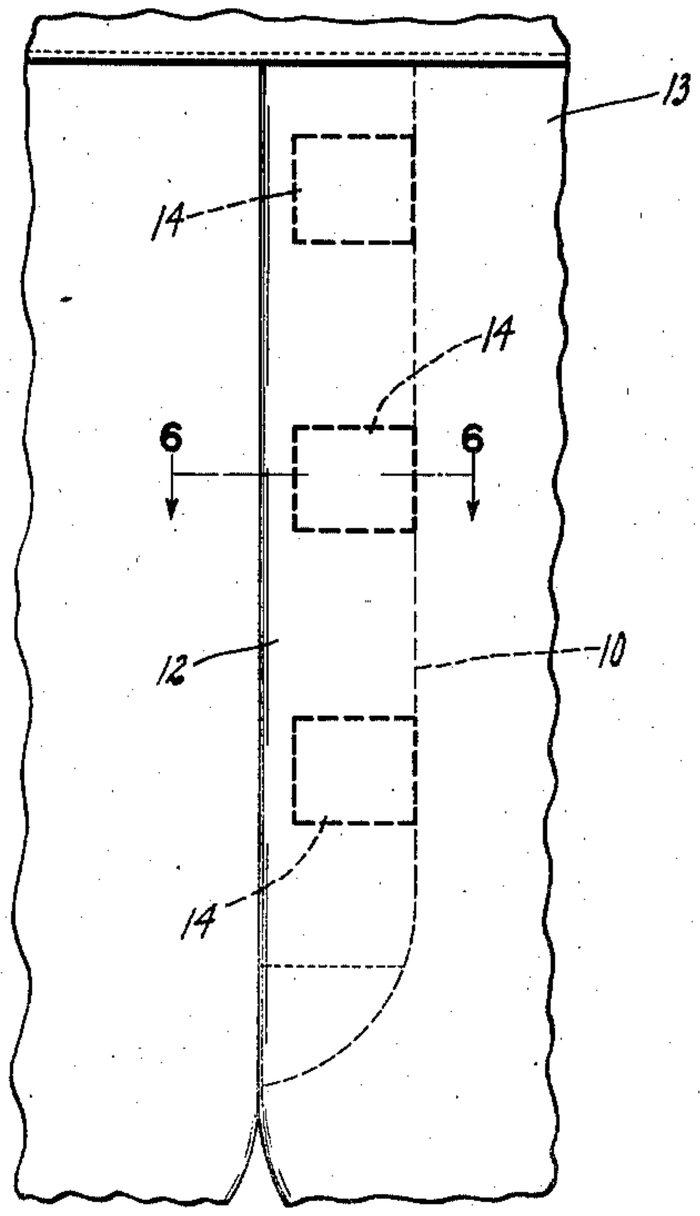

FIG.-5

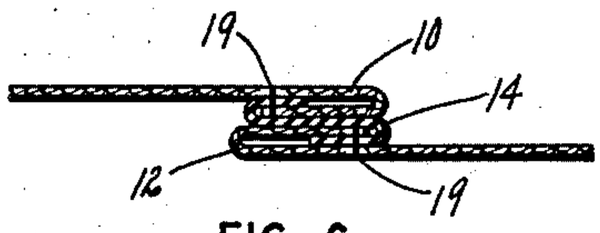

FIG.-6

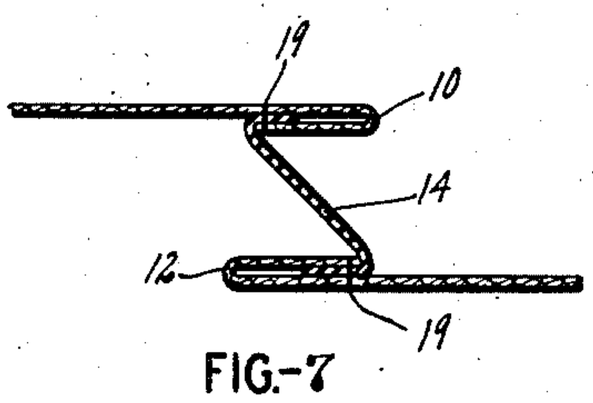

FIG.-7

INVENTOR
SAMUEL ROSENTHAL
BY
Brockett, Hyde, Higley & Meyer
ATTORNEYS

Patented July 12, 1938 2,123,208

UNITED STATES PATENT OFFICE

2,123,208

FLY STRUCTURE FOR OVERALLS, TROUSERS, AND THE LIKE

Samuel Rosenthal, Cleveland, Ohio

Application February 1, 1935, Serial No. 4,541

8 Claims. (Cl. 2—234)

This invention relates to an improved fly structure for overalls, trousers and other such articles of men's wearing apparel.

The fly structures now used for such articles each comprise three fabric fly portions, two inner fly portions and an outer or cover fly portion, said inner fly portions being provided with co-operating buttons and button-holes for releasably maintaining them in closed relationship.

One of the objections to the use of buttons for such fly structures is that said buttons leave upon the fabric fly portions thereof, especially on the outer or cover fly portion, as a result of the ironing operation to which such articles are periodically subjected, marks or impressions which are not only unsightly in appearance but which also produce undue wear of such fly portions. Another objection to the use of such buttons is that they become rusty, if made of metal, from the moisture to which they are frequently subjected, particularly in hot weather, with consequent discoloration and deterioration of the fabric fly portions. Other objections to the use of such buttons are that they frequently break or become detached and sometimes, are difficult to manipulate, especially by persons whose fingers are abnormally stiff.

It is therefore the object of the present invention to provide for such articles of men's wearing apparel as overalls and trousers an improved fly structure in which buttons are not utilized. More specifically, it is the object of the present invention to provide for such articles a fly structure which comprises but two fabric fly portions, an inner fly portion and an outer or cover fly portion, said fly portions being releasably maintained in closed relationship by one or more flat elastic strips normally concealed by said fly portions, said elastic strip or strips being of such character and being so arranged that a particularly neat, simple and inexpensive fly structure, free of the aforesaid objections, is provided for such articles of wearing apparel.

Further objects of the present invention, and further features thereof, will be apparent from the following description of two embodiments thereof, reference being had to the accompanying drawing in which

Fig. 1 is a front view of a portion of a pair of men's overalls provided with one form of the present improved fly structure; Fig. 2 is a detail longitudinal sectional view of said fly structure, the view being on the line 2—2, Fig. 1; Fig. 3 is a detail cross-sectional view thereof on the line 3—3, Fig. 1; Fig. 4 is a view similar to Fig. 2 but showing parts of said fly structure open or in separated relationship; Fig. 5 is a front view of a portion of a pair of men's overalls provided with another form of the present improved fly structure; Fig. 6 is a detail cross-sectional view of the fly structure of Fig. 5, the view being on the line 6—6, Fig. 5; and Fig. 7 is a view similar to Fig. 6 but showing parts of the fly structure open or in separated relationship.

In the embodiment of the invention illustrated in Figs. 1 to 4 inclusive, 1 designates the inner fabric fly portion and 2 the outer or cover fabric fly portion of the fly structure of a pair of men's overalls 3. For normally maintaining said fly portions in closed relationship, subject to easy and convenient separation of any parts thereof when desired, a flat strip of elastic 4, of a width less than that of either of said fly portions, is longitudinally arranged therebetween, so that it is normally concealed thereby. Although said elastic strip may have a length corresponding to that of said fly portions, it is here shown as having less length, said strip having longitudinally spaced portions thereof transversely stitched or otherwise suitably secured, as at 6, alternately to said fly portions longitudinally thereof, the ends and one intermediate portion of said strip being secured to the outer or cover fly portion 2 and two intermediate portions of said strip being secured to the inner fly portion 1, in this embodiment of the invention.

Although the free longitudinal edge portions of the fabric forming such fly portions may be turned over or reversely folded, as at 8, to any desired extent and thereafter stitched, as at 9, to provide bound free edges for such fly portions, such fabric edge portions are preferably turned over or reversely folded to a very limited extent. As here shown, the edge portion of the fabric forming the inner fly portion 1 is outwardly turned over or reversely folded and thereafter stitched and the edge portion of the fabric forming the outer or cover fly portion 2 is inwardly turned over or reversely folded and thereafter stitched. The elastic strip 4 lies between such turned over or reversely folded edge portions, so that the two fly portions and the elastic strip, forming the complete fly structure of the overalls, constitute only three thicknesses of material.

In the embodiment of the invention illustrated to Figs. 5 to 7 inclusive, the fly portions 10 and 12 of the overalls 13 are releasably maintained in closed relationship by a plurality of transversely disposed flat elastic strips 14, three such

strips being here shown. Said strips are arranged between said fly portions in spaced relation longitudinally thereof, and hence are normally concealed thereby, the ends of each such strip being stitched or otherwise suitably secured to said fly portions, one end to each.

As here shown, the ends of said strips are secured to the bound free edges of said fly portions by the stitching 19 thereof, the ends of said strips lying between the two layers of fabric which form each of said bound free edges, as clearly shown in Figs. 6 and 7.

From all of the foregoing, it will be apparent that there is herein disclosed, for overalls, trousers and other such articles of men's wearing apparel, two embodiments of a fly structure which is of exceedingly flat form; which can be ironed or pressed without liability of the formation of objectionable marks or impressions; which has no buttons to become rusty, broken or detached; in which the flat elastic strip or strips are normally concealed; and which, while normally closed, is capable of being easily and conveniently opened when desired.

While it is believed that the value and advantages of the present invention will be readily apparent from the foregoing description of two embodiments thereof, it is to be understood that said invention is not limited to what is herein described and illustrated but includes all such changes that fall within the scope of what is claimed.

Having described my invention, I claim:

1. A fly structure for men's overalls, trousers and the like, said structure comprising a pair of inner and outer fly portions, and a flat elastic strip longitudinally arranged therebetween and permanently secured thereto for releasably maintaining said fly portions in closed relationship, said strip being entirely concealed by the outer fly portion when the outer and inner fly portions are in closed relationship.

2. A fly structure for men's overalls, trousers and the like, said structure comprising a pair of inner and outer fly portions each having a bound free edge, and a flat elastic strip longitudinally connected to said fly portions between the bound free edges thereof for releasably maintaining said fly portions in closed relationship, said strip being entirely concealed by the outer fly portion when the outer and inner fly portions are in closed relationship.

3. A fly structure for men's overalls, trousers and the like, said structure comprising a pair of inner and outer fly portions each having a bound free edge, and a flat elastic strip longitudinally arranged between and connected to said fly portions for releasably maintaining them in closed relationship, said strip being entirely concealed by the outer fly portion and being of such width that it substantially fills the space between the bound free edges of the outer and inner fly portions.

4. A fly structure for men's overalls, trousers and the like, said structure comprising a pair of inner and outer fly portions, and a flat elastic strip permanently connected thereto for releasably maintaining said fly portions in closed relationship, the connection of said strip to said fly portions being effected by stitches extending transversely of said strip and substantially the full width thereof, and said strip being entirely concealed by the outer fly portion when the outer and inner fly portions are in closed relationship.

5. A fly structure for men's overalls, trousers and the like, said structure comprising inner and outer fly portions each provided with a bound free edge, and a plurality of flat elastic strips for releasably maintaining said fly portions in closed relationship, said strips being disposed transversely of said fly portions in spaced relation therealong and having their end portions connected to the bound free edges thereof.

6. A fly structure for men's overalls, trousers and the like, said structure comprising inner and outer fabric fly portions each having a bound free edge formed by turning over or reversely folding the fabric edge portion and securing the same by stitching, and a plurality of flat elastic strips for releasably maintaining said fly portions in closed relationship, said strips being disposed transversely of said fly portions in spaced relation longitudinally thereof and having their ends secured to said fly portions by the stitching of the bound free edges thereof.

7. A fly structure for men's overalls, trousers and the like, said structure comprising a pair of inner and outer fly portions, and flat elastic strip means permanently connected by rows of stitching to each of said inner and outer fly portions and entirely concealed by the outer portion, for releasably maintaining them in closed or overlapping relationship.

8. A fly structure for men's overalls, trousers and the like, said structure comprising a pair of inner and outer fabric fly portions each having a body part and a free edge part turned over or reversely folded against said body part, said turned over or reversely folded edge parts lying on contiguous sides of said body parts, and a plurality of flat elastic strips for releasably maintaining said fly portions in closed or overlapping relationship, said strips being disposed transversely of said fly portions in spaced relation longitudinally thereof and each such strip having its end portions secured between the body and edge parts of said fly portions.

SAMUEL ROSENTHAL.