Aug. 16, 1960 R. B. EBENSTEIN 2,948,900

MULTIPLE PURPOSE HAT BODY

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FIG.1

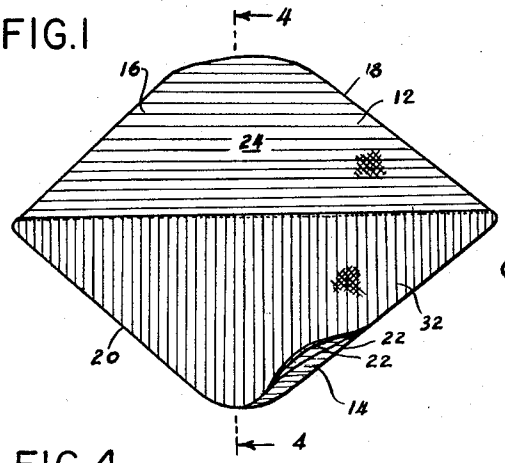


FIG.2

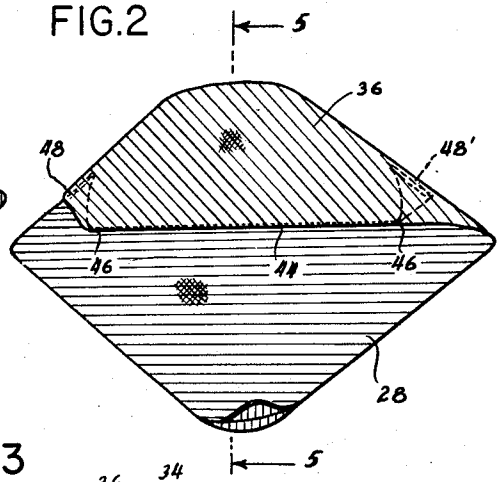


FIG.4

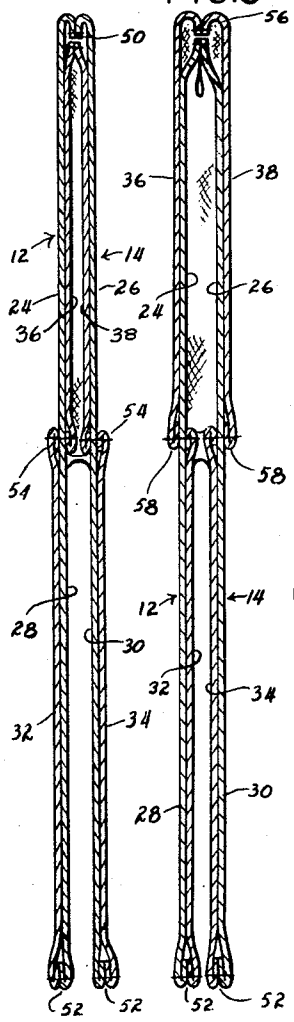


FIG.5

FIG.3

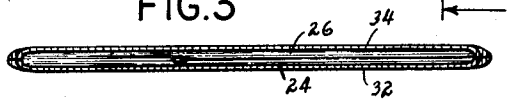


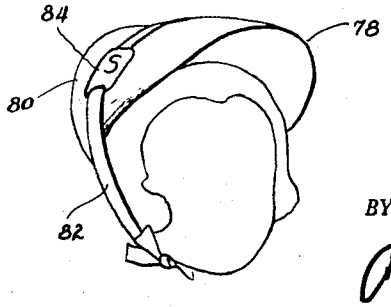
FIG.6



FIG.7



FIG.8



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FIG.9

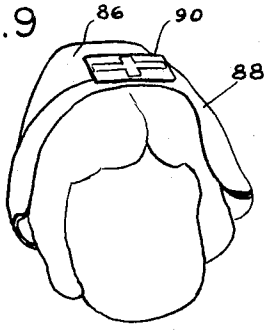


FIG.10

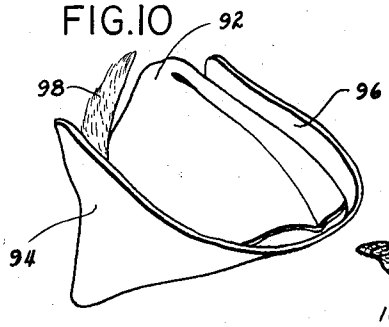


FIG.11

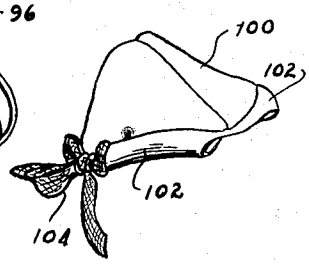


FIG.12

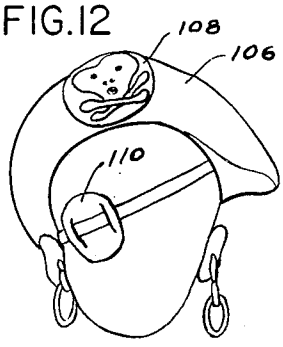


FIG.13

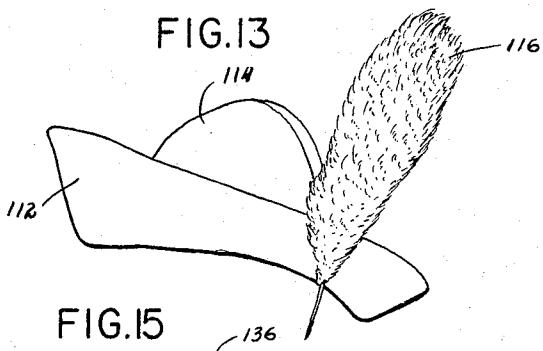


FIG.15



FIG.14

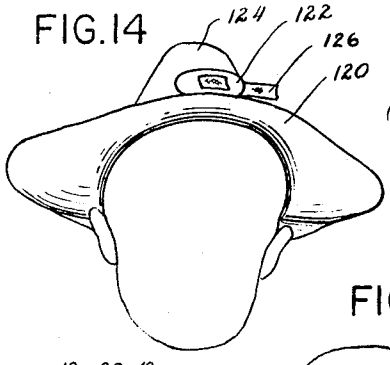


FIG.17

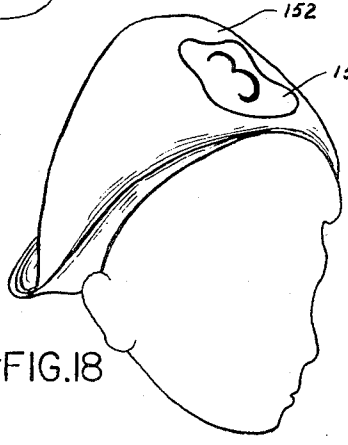
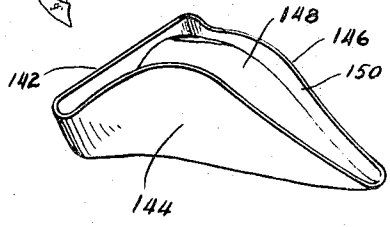


FIG.16



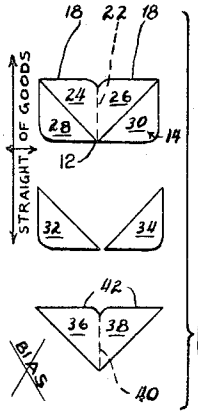


FIG.18

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2,948,900

MULTIPLE PURPOSE HAT BODY

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Filed Dec. 14, 1956, Ser. No. 628,444

7 Claims. (Cl. 2—209.1)

This invention relates to hats, and more particularly to a play hat body which will serve as a base for a large number of different costume hats.

The primary object of the present invention is to generally improve hats, especially play hats. A more particular object is to provide a multiple purpose hat body which is reversible and foldable to provide many different appearances.

Another object of the invention is to provide a play hat which will serve, with the aid of a few minor accessories, to provide a large number of different costume hats. The hat body may be made in an appropriate size to be worn by children at play, and in accordance with a further feature and object of the invention, it may be made in a miniature size to form a part of a kit of doll clothing sold with a doll, so that the doll may be dressed to simulate various costumes and characters.

Still another object of the invention is to provide a play hat which will fit various occupations and characters known to children through story, drama, poem or song.

To accomplish the foregoing general objects, and other more specific objects which will hereinafter appear, my invention resides in the hat body, and the elements thereof, as are hereinafter more particularly described in the following specification. The specification is accompanied by drawings in which:

Fig. 1 is a side elevation of a hat body embodying features of my invention;

Fig. 2 is a similar view with the hat body reversed or turned inside out;

Fig. 3 is a bottom view of the hat body;

Fig. 4 is a vertical section drawn to enlarged scale and taken approximately in the plane of the line 4—4 of Fig. 1;

Fig. 5 is a vertical section drawn to enlarged scale and taken approximately in the plane of the line 5—5 of Fig. 2;

Fig. 6 is a perspective view showing the hat worn as that of Peter Pan;

Fig. 7 shows the hat worn as that of a Puritan maid;

Fig. 8 shows the hat worn as that of Miss Muffet;

Fig. 9 shows the hat worn as that of a nurse;

Fig. 10 shows the hat worn as that of Pinocchio;

Fig. 11 shows the hat worn as that of a Scotch Highlander;

Fig. 12 shows the hat worn as that of a pirate;

Fig. 13 shows the hat worn as that of Yankee Doodle;

Fig. 14 shows the hat worn as that of a Puritan man;

Fig. 15 shows the hat worn as a bonnet;

Fig. 16 shows the hat worn as a tricorn;

Fig. 17 shows the hat worn as a fire helmet; and

Fig. 18 is explanatory of the patterning of the pieces making up the hat body.

Referring to the drawing, more particularly to Figs. 1 and 4, the hat body comprises a main part made up of two diamond-shaped pieces 12 and 14, with two edges 16 and 18 of one piece joined to the corresponding edges of the other piece, and having the remaining two edges 20 and 22 of the piece 12 free of the remaining two edges 20 and 22 of the piece 14.

Referring now to Fig. 18, the two diamond-shaped pieces 12 and 14 may be wholly separate, or may be patterned out of a single piece of material so that they are integrally joined on the edge 22, instead of being stitched together on edges 22 as when made of separate pieces. Assuming the edge 22 corresponds to the edges 16 in Fig. 1, then the edges which are yet to be stitched together are indicated at 18. When the edges 18 are stitched together, there results a hat crown with two triangular sides 24 and 26, and with two triangular flaps 28 and 30, one beneath each side of the crown. One of the triangular sides of the crown is shown at 24 in Fig. 1. The triangular flaps 28 and 30 are free of one another, as is indicated by the slightly upturned portions in Figs. 1 and 2 of the drawing.

The parts 12 and 14 are preferably square, with the sides running longitudinally and transversely of the fabric. The diagonal line then becomes the horizontal bottom edge of the hat, so that the threads are on the bias when the hat is worn, which is best for stretch and fit.

The hat body further comprises two triangular pieces 32 and 34 (Fig. 18) of a second and preferably contrasting color, and having an area corresponding to the flaps 28 and 30. The pieces 32 and 34 are secured to overlie and cover the flaps 28 and 30, and this is indicated by the vertically lined part 32 in Fig. 1. It will be understood that the pieces are secured to the flaps in symmetrical relation relative to the hat crown, that is, when the piece 32 is on the outside of its flap 28, as shown in Fig. 4, the piece 34 is on the outside of its flap 30.

The hat body further comprises two triangular pieces 36 and 38 (Fig. 18) preferably of a third contrasting color. These have an area corresponding to two triangular sides 24 and 26 of the crown, and these pieces are secured to overlie and cover the triangular sides of the crown, on that side which is opposite to the side receiving the two triangular pieces 32 and 34 of the second contrasting color. Thus, the parts 36, 38 are not visible in Fig. 1 where the part 32 is on the outside and visible, for in this figure the parts 36 and 38 are on the inside and are concealed by the triangular sides of the hat crown. However, when the hat body is reversed or turned inside out, as shown in Figs. 2 and 5, the parts 36, 38 become visible, and the triangular pieces 32, 34 are not visible, they being concealed within the depending flaps 28, 30.

In Fig. 18, it will be seen that the triangular pieces 36, 38, instead of being separate, may be integrally joined as indicated by the dotted line 40. If the pieces are separate, they are stitched on the line 40. In either case, the edges 42 are stitched together, thus forming a cover (or lining) with triangular sides, which is superimposed on the hat crown formed by the triangular sides 24, 26 of the main pieces 12, 14. The cover and crown are permanently secured together, as is indicated by the horizontal line of stitching 44 in Fig. 2. It will be understood that there is a similar horizontal line of stitching on the opposite side, and that each line of stitching goes through only its own side of the hat. For reasons explained later, the horizontal lines of stitching do not extend to the ends of the hat body, and instead terminate short of the ends, as is indicated at 46 in Fig. 2, thus leaving the lower corners 48 of the cover free of the crown, so that they may be turned upward as shown in solid lines at 48 and in dotted lines at 48'. Ordinarily, when turned upward, they are turned inside the cover material, that is, between that material and the crown of the hat body.

It will facilitate further description to use a specific example of material and color, but it should be understood that these are specified only by way of example,

and are not intended to be in limitation of the invention.

In one preferred example, the main pieces, that is, the diamond-shaped pieces shown at the top of Fig. 18, are made of blue felt. The triangular parts **32** and **34** shown in the middle of Fig. 18 are made of red cotton jersey. The triangular parts **36** and **38** shown at bottom of Fig. 18 are made of green corduroy. Thus, as viewed in Fig. 1, the hat body is blue at the top, and the flaps at the bottom are red. If the flaps are turned upward alongside the triangular crown, only blue is seen. In Fig. 2, the hat body is green at the top, and the flaps are blue. If turned upward alongside the crown, the flaps are red.

The play hat body may be described in somewhat different fashion by stating that is comprises a reversible crown portion **24**, **26** with flaps **28**, **30** depending from the crown portion. There is a lining or/and cover **36**, **38** which is secured to and covers the inside of the crown portion. There are also flap covers or/and linings **32**, **34** which are secured to and cover the outside of the flaps. In preferred form, the crown and flaps have one color, in this case blue, the crown lining or/and cover has a contrasting color, in this case green, and the flap covers or/and linings have a third contrasting color, in this case red. Also, in preferred form, at least one end of the crown lining or/and cover is left free of the crown portion so that it may be turned out of the way, optionally, when the adjacent part of the crown is reversely folded to act as a hat brim.

The pieces are preferably so stitched together as to conceal the cut edges of the fabric. Thus, in Fig. 4, the blue felt pieces **12** and **14** are stitched together as shown at **50**. The red jersey pieces **32** and **34** are stitched to the blue felt by reversely turning the bottom edges, as is indicated at **52**. The top edges of the red jersey pieces **32** and **34** are reversely folded as shown at **54**, where stitched to the blue felt pieces. In Fig. 5, it will be seen that the green corduroy pieces **36**, **38** have their edges reversed where stitched at **56**, and that the bottom edges are reversed where stitched to the blue felt as shown at **58**.

It will also be understood that in Fig. 18 the triangular shapes have been somewhat idealized, although the hat may be made as there shown. In practice, it is preferably made as shown in Figs. 1 and 2, in which the top and bottom corners are rounded, instead of coming to a point at the top and bottom, as would be the case with true triangles.

The varied possibilities of this hat body will be apparent. The hat is basically two diamond-shaped blue pieces (or four blue triangles), two red triangles, and two green triangles, or eigth triangles in all. The hat may be worn lengthwise or cross-wise. It may be folded with the flaps out, or turned partly or wholly upward inside the crown, or turned upward outside the crown. It may be reversed or turned inside out. It may be worn with one or both of the lower corners of the green crown cover turned inside out of sight, and with the resulting exposed blue portion available to be used as a brim.

Some of the possibilities of the hat may be shown by reference to specific examples.

Referring first to Fig. 6, this shows the hat worn as that of either of two characters, Peter Pan or Robin Hood. In this case, the hat is worn with the green crown cover on the outside, as shown in Fig. 2, but with the depending flaps turned upward inside the crown to hide the same, so that the entire hat is green. A feather **70** is temporarily secured to one side of the hat body. To simulate Robin Hood, the feather is preferably worn downward, as shown in Fig. 6, while to simulate Peter Pan, the feather is preferably worn upward (not shown).

Fig. 7 shows the hat worn as that of a Puritan maid. In this case, the hat is worn with the blue and red on the outside, as shown in Fig. 1. The flaps are at the sides. The forward corner of the green material is folded inside, out of sight, and the rim is turned upward as shown at **72**, this being blue. The crown at **74** is blue, while the lower portions or flaps at **76** are red. The flaps are held close against the sides of the head by a ribbon **78**, which is concealed within the reversely folded rim **72**, except for the ends of the ribbon, which are tied beneath the chin.

It will now be understood why the corners of the green pieces are preferably left free of stitching, as shown at **48** and **48'** in Fig. 2. If they were stitched all the way, the green material would show at the top center portion of the reversely folded blue rim **72**, in Fig. 7.

Fig. 8 shows the hat worn as that of Miss Muffet. In this case, the hat is used with the red and blue on the outside, as shown in Fig. 1. It is worn with the flaps to the front and rear, instead of at the sides. The rear flap is turned upward inside the crown. The front flap is left exposed and acts as a visor **78**. Thus, the crown is blue at **80** while the visor portion **78** is red on the outside and blue on the inside. The green pieces are wholly concealed. The hat is held with the aid of a ribbon **82**, which passes around the outside of the hat body and is tied beneath the chin. The kit preferably includes a small ornamental piece **84** having slits through which the ribbon is passed.

Fig. 9 shows the hat worn as that of a nurse. In this case, it is worn with the blue and red on the outside, as shown in Fig. 1, and with the green concealed. It is worn with the flaps to the front and rear. These flaps are turned upward inside the crown, but not fully so, thus providing a hat which is blue at **86** but trimmed with red around the lower edge at **88**. If desired, the back flap may be turned fully inside the crown, thus limiting the red trimming to the forward edge **88**. A suitable shield, such as that having a red cross shown at **90**, may be added to the hat body as an ornamentation, and to help further identify the costume as that of a nurse.

Fig. 10 shows that hat worn as that of Pinocchio. In this case, the hat is worn with the green and blue on the outside, as shown in Fig. 2. The crown of the hat at **92** (Fig. 10) is green. The flaps are worn at the sides, and are turned outward and upward. They are accordingly red on the outside at **94**, and blue on the inside at **96**. The feather **98**, which forms a part of the kit, is secured at the back of the hat body, and points upward.

Fig. 11 shows the hat worn as that of a Scotch Highlander. In this case, the hat is worn with a blue crown **100**. The flaps are at the sides, and are turned upward inside the crown, but not fully so, thus exposing red trim at **102** at the bottom of the crown on both sides. A bow of plaid ribbon **104** acts as an ornament which is secured at the side of the hat.

Fig. 12 shows the hat worn as that of a pirate. In this case, the hat body is turned with the red and blue on the outside. The crown is blue. It is worn with the flaps at the sides. The green corner at the front is turned upward out of sight, and the front of the hat body is folded up for a substantial width as shown at **106**. Thus, the crown and rim are blue, as viewed from the front. An ornament **108** having a skull and crossed bones is added at the front. One of the other ornaments, for example that shown at **84** in Fig. 8, may be reversed and worn as a simulated eye patch **110**.

Fig. 13 shows the hat worn as that of Yankee Doodle. In this case, the body is turned with the red and blue outermost, and the green concealed inside the hat. The flaps are worn to the front and rear. The front flap is turned upward as shown at **112**, and it and the crown **114** appear blue. A plume or duster **116** forms a part of the kit, and is secured to the upturned rim at the side of the hat body.

Fig. 14 shows the hat worn as that of a Puritan man. In this case, the body is turned with the red and blue on

the outside. It is worn with the flaps at the sides. The front corner of the green material is turned inside out of the way and the blue rim **120** is turned upward at the front. An ornament **122** simulating a buckle is secured in front of the blue crown **124** by means of a band or ribbon **126**.

Fig. 15 shows the hat worn as one of a number of possible types of bonnet. In this case the hat body is worn with the green and blue on the outside. The flaps are worn to the front and rear. The rear flap is exposed at the back, and is blue on top and red on bottom. The front flap is like-wise exposed, but is reversely folded so that its forward edge is at **130**, while its rear edge is at **132**, and the middle region is pushed or reversely folded rearward at **134**, between the parts **130** and **132**. The green crown is doubled over to the front, that is, it is pushed down part way over the reversely folded front flap, as shown at **136**. To hold the bonnet in position, a ribbon **138** is used, and this passes beneath the down-folded crown **136** but over and behind the folded front flap. The bonnet's appearance is completed by the addition of a feather or plume **140**, which may be caught beneath the ribbon, and between the crown and the flap.

Fig. 16 shows the hat worn as a tricorn or Revolutionary War period hat. The hat body is turned with the blue and red on the outside. The rear corner of the green material is turned inside out of sight, and the blue material is turned upward at the rear as shown at **142**. The flaps are turned upward at the sides and appear blue at **144, 146**. The crown **148** is also blue. A touch of red shows on the inside at **150**.

Fig. 17 shows the hat worn as a fireman's helmet. The hat body is turned with the blue and green on the outside. It is worn with the flaps to the front and rear. The front flap is turned up fully as shown at **152** and is red. The rear flap remains down. A marker or shield **154**, preferably carrying a number, is secured to the front flap.

Other appearances may be simulated, although not here illustrated. For example, an overseas cap may be produced by turning the body with the red and blue on the outside; wearing it with the flaps at the sides; and turning the flaps all the way up closely against the crown to hide the red, thus producing the appearance of a blue overseas cap.

A Tyrolean hat may be produced by wearing the hat body much as in the case of the Pinocchio hat in Fig. 10, except that a ribbon may be passed in a generally horizontal plane around the outside of the flaps. At the front, the ribbon passes beneath the free corner of the green material, that is, between the green and blue materials. The ends of the ribbon are tied at one side of the hat outside of one of the flaps.

A "Spaceman's" hat may be produced, using the body with the blue and green on the outside, and with the flaps worn at the sides. The front is folded upward to expose a large area of red with a small triangular area of blue at the front. For this representation, goggles are preferably worn over the eyes, and may be supplied as a part of a complete kit.

A Bo Peep hat may be formed somewhat as in the case of the bonnet except that the front flap need not be reversely folded, and instead the crown is pulled all the way down flat over much of the front flap. The ribbon which passes beneath the chin at the bottom passes over the blue flap and under the green crown, the latter being pulled downward and forward over the ribbon and flap.

A witch's hat may be formed with the red and blue on the outside, and with the flaps at the front and rear. These flaps are turned upward at the front and rear to expose the blue. The green is concealed, and the free corners of the green lining are turned upward to help insure this. A suitable ornament such as a star and crescent may be secured on the upwardly turned front flap.

It will be understood that in the case of a miniature hat sold with a doll, additional clothing may be provided, and various changes in shirt, trousers or skirt, etc. may be made, consistent with the character represented. When made in larger sizes for use by children, the hat body is preferably sold as a part of a kit which includes the feather, plume, ribbon and other inexpensive ornaments shown.

It is believed that the construction and method of use of my improved multiple purpose hat body, as well as the advantages thereof, will be apparent from the foregoing detailed description. It is also apparent that while I have shown and described the invention in a preferred form, changes may be made in the structure shown, without departing from the scope of the invention, as sought to be defined in the following claims.

I claim:

1. A play hat body comprising a main rectangular part which is twice as long as wide and which acts as two substantially square pieces joined integrally edge to edge and having an edge adjacent the integral edge of one square piece sewed to the corresponding adjacent edge of the other square piece, and having the remaining two edges of one square piece free of the remaining two edges of the other square piece, the said main part forming a hat crown with two substantially right isosceles triangular sides and two substantially right isosceles triangular flaps, each side and flap being connected hypotenuse to hypotenuse, said main part being made of material of a first color, two substantially right isosceles triangular pieces of a second color and having an area and shape corresponding to the flaps, said pieces being laminated to the flaps in symmetrical relation relative to the hat crown, a substantially right isosceles triangular piece of a third color having a base corresponding to the long side of the main part and having an altitude corresponding to the short side of the main part, said piece being laminated to the triangular sides of the crown on that side of the main part opposite to the side receiving the two triangular pieces of second color, the base edge of said piece of third color being secured to the main part, all four of said pieces being made of material suitable to be worn on the outside.

2. A play hat body comprising a main part made up of two equal substantially square pieces having two connected edges of one piece joined to the corresponding connected edges of the other piece, and having the remaining two edges of one piece free of the remaining two edges of the other piece, the said main part forming a hat crown with two substantially right isosceles triangular sides and two substantially right isosceles triangular flaps, each side and flap being connected hypotenuse to hypotenuse, said main part being made of material of a first color, two substantially right isosceles triangular pieces of a second color and having an area and shape corresponding to the flaps, said pieces being laminated to the flaps in symmetrical relation relative to the hat crown, two substantially right isosceles triangular pieces of a third color having an area and shape corresponding to the two sides of the crown, said pieces being laminated to the triangular sides of the crown in symmetrical relation to the crown and on that side of the main part opposite to the side receiving the two triangular pieces of second color, said pieces of third color having a bottom edge which is secured to the main part, all of said pieces being made of material suitable to be worn on the outside.

3. A play hat body comprising a main part made up of two diamond shaped pieces having two connected edges of one piece joined to the corresponding connected edges of the other piece, and having the remaining two edges of one piece free of the remaining two edges of the other piece, the said main part forming a hat crown with two triangular sides and two triangular flaps, said

main part being made of material of a first color, two triangular pieces of a second color and having an area and shape corresponding to the flaps, said pieces being laminated to the flaps in symmetrical relation relative to the hat crown, two triangular pieces of a third color having an area and shape corresponding to the two sides of the crown, said pieces being laminated to the triangular sides of the crown in symmetrical relation to the crown and on that side of the main part opposite to the side receiving the two triangular pieces of second color, said pieces of third color having a bottom edge which is secured to the main part, all of said pieces being made of material suitable to be worn on the outside.

4. A play hat body comprising a main part made up of two diamond shaped pieces having two connected edges of one piece joined to the corresponding connected edges of the other piece, and having the remaining two edges of one piece free of the remaining two edges of the other piece, the said main part forming a hat crown with two triangular sides and two triangular flaps, said main part being made of material of a first color, two triangular pieces of a second color and having an area and shape corresponding to the flaps, said pieces being laminated to the flaps in symmetrical relation relative to the hat crown, two triangular pieces of a third color having an area and shape corresponding to the two sides of the crown, said pieces being laminated to the triangular sides of the crown in symmetrical relation to the crown and on that side of the main part opposite to the side receiving the two triangular pieces of second color, said pieces of third color having a bottom edge which is secured to the main part, the lower corners of said pieces of third color being left free of the crown so that they may be turned out of sight when not wanted, all of said pieces being made of material suitable to be worn on the outside.

5. A hat body made of two small, one medium, and one large piece, the two small pieces being identical isosceles right triangles, the medium piece being an isosceles right triangle of twice the area of either of said small pieces, the large piece being a rectangle double the area of the medium piece, the small pieces being made of a bias fabric with the hypotenuse on the bias, the medium piece being made of a bias fabric with the hypotenuse on the straight of the goods, the large piece being made of a fabric such as felt having flexibility and body but without bias, said pieces being sewed together to form a two layered reversible hat body composed in effect of eight equal isosceles right triangular areas, the four triangles having greater stretch and bias being reversely placed over the four triangles having greater firmness and less stretch, the medium piece having a color different from that of the larger piece, and the small pieces having a color different from that of the medium and large pieces.

6. A play hat body comprising a main part made up of two equal substantially square pieces having two connected edges of one piece joined to the corresponding connected edges of the other piece, and having the remaining two edges of one piece free of the remaining two edges of the other piece, the said main part forming a hat crown with two substantially right isosceles triangular sides and two substantially right isosceles triangular flaps, each side and flap being connected hypotenuse to hypotenuse, said main part being made of material of a first color, two substantially right isosceles triangular pieces of a different color and having an area and shape corresponding to the flaps, said pieces being laminated to the flaps in symmetrical relation relative to the hat crown, all of said pieces being made of material suitable to be worn on the outside.

7. A play hat body comprising a main part made up of two equal substantially square pieces having two connected edges of one piece joined to the corresponding connected edges of the other piece, and having the remaining two edges of one piece free of the remaining two edges of the other piece, the said main part forming a hat crown with two substantially right isosceles triangular sides and two substantially right isosceles triangular flaps, each side and flap being connected hypotenuse to hypotenuse, said main part being made of material of a first color, two substantially right isosceles triangular pieces of a different color having an area and shape corresponding to the two sides of the crown, said pieces being laminated to the triangular sides of the crown in symmetrical relation to the crown, all of said pieces being made of materials suitable to be worn on the outside.

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