F. L. LATTIMORE.

PAPER CAP.

APPLICATION FILED JULY 25, 1916.

1,247,415. Patented Nov. 20, 1917.

3 SHEETS—SHEET 1.

Fig. 1

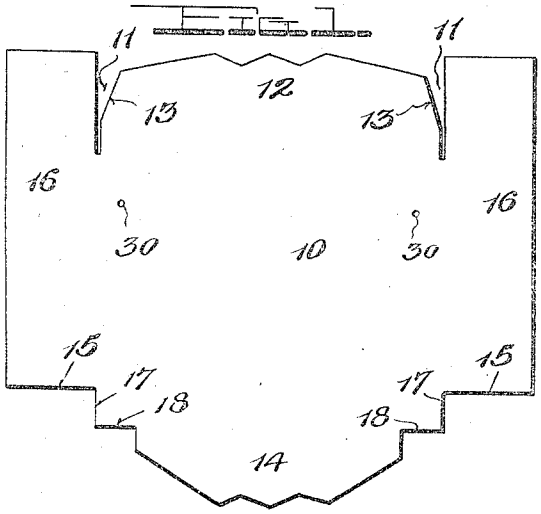


Fig. 2

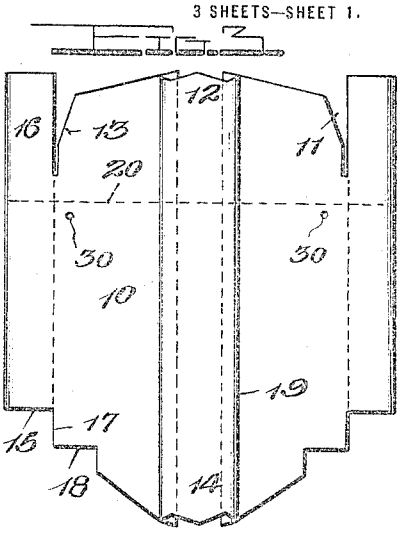


Fig. 3

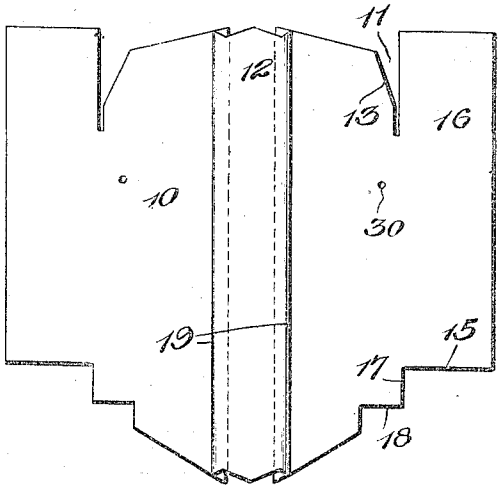


Fig. 5

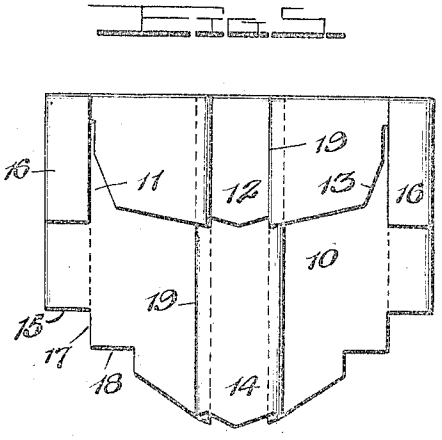
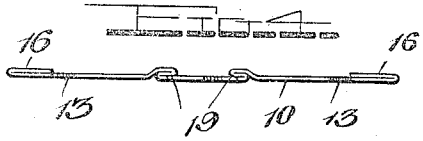


Fig. 4



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APPLICATION FILED JULY 25, 1916.

1,247,415.

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3 SHEETS—SHEET 2.

Fig. 6.

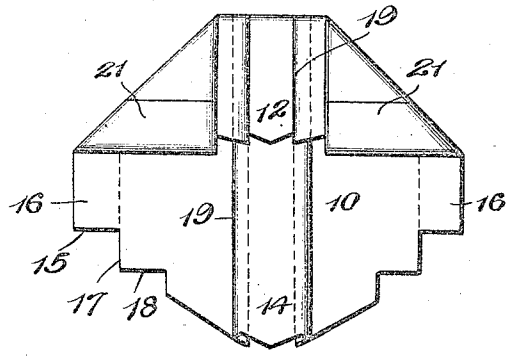


Fig. 7.

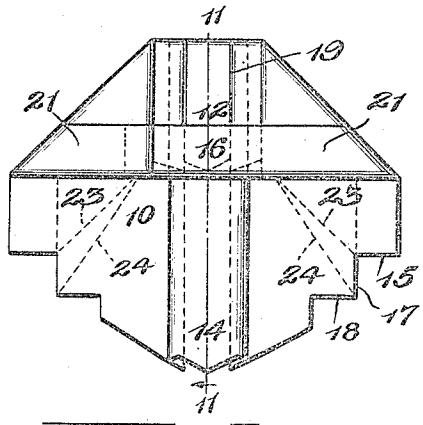


Fig. 8.

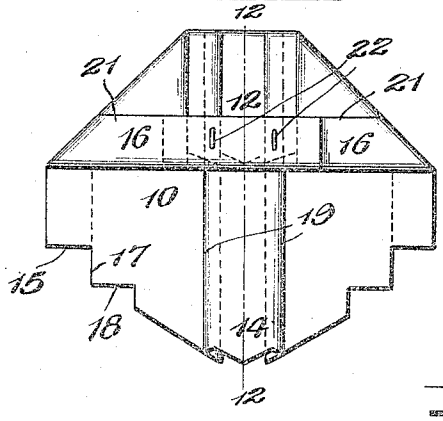


Fig. 9.

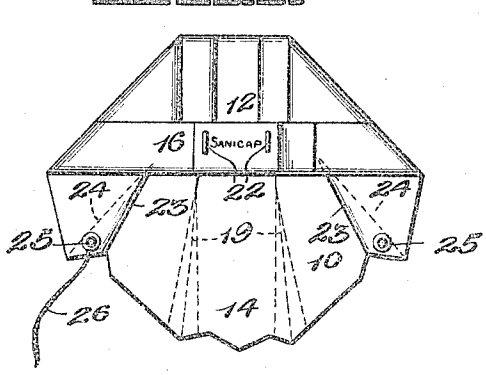


Fig. 10.

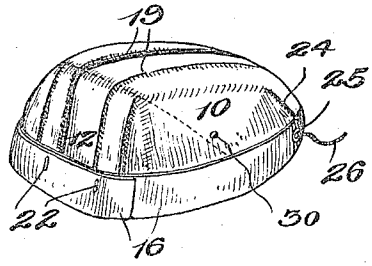


Fig. 11.

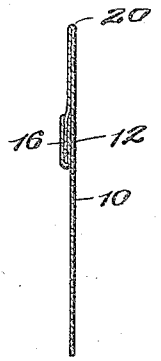
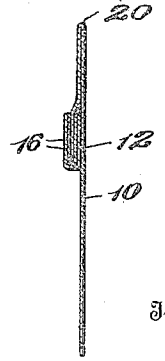


Fig. 12.



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APPLICATION FILED JULY 25, 1916.

1,247,415.

Patented Nov. 20, 1917.

3 SHEETS—SHEET 3.

Fig. 13.

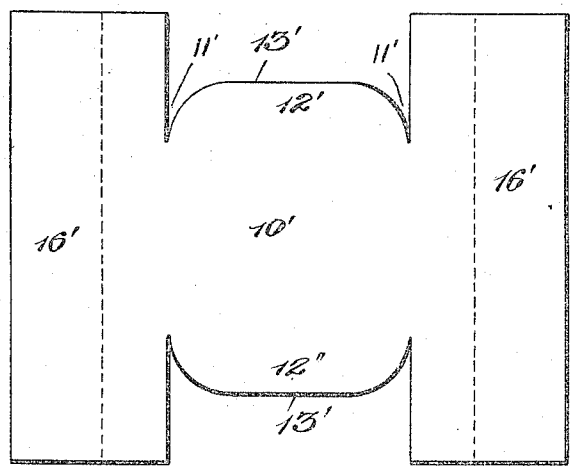


Fig. 14.

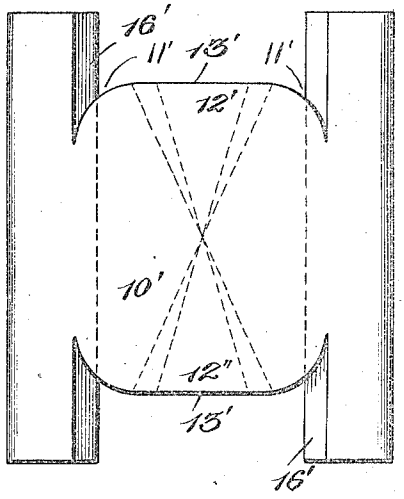


Fig. 15.

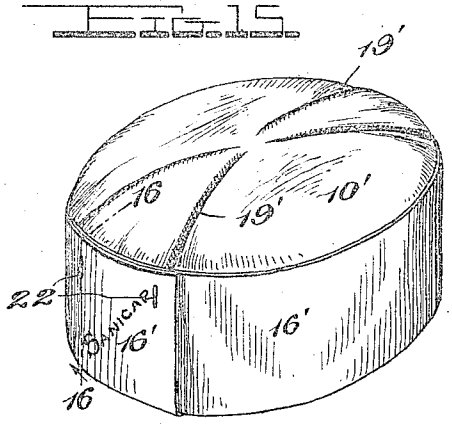
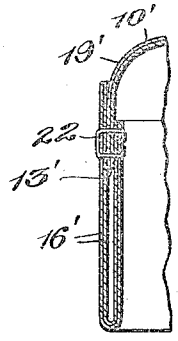


Fig. 16.



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PAPER CAP.

1,247,415. Specification of Letters Patent. Patented Nov. 20, 1917.

Application filed July 25, 1916. Serial No. 111,180.

To all whom it may concern:

Be it known that I, FLORENCE L. LATTIMORE, a citizen of the United States, residing at Forest Hills, in the county of Queens and State of New York, have invented new and useful Improvements in Paper Caps, of which the following is a specification.

This invention relates to caps, and has as its objects to provide a sanitary cap which is particularly adapted for use by bakers, cooks and persons employed in other industries where it is desired that the heads of the workmen be covered. The cap is preferably composed of paper, so that it may be manufactured at a minimum cost and placed upon the market at a relatively low price, thus allowing the person using the same to discard or throw it away as soon as it becomes too soiled for further use. The cap is adapted to be readily assembled and presents a neat and pleasing appearance.

The above and other objects of the invention are obtained by the structures described in the following specification and illustrated in the accompanying drawings, and wherein,—

Figure 1 is a blank cut to the desired shape, which blank is adapted to be folded to form a woman's cap, such as shown in Fig. 10.

Figs. 2 to 9 disclose the successive folding operations or steps which are carried out in producing the finished cap from the blank disclosed in Fig. 1.

Fig. 10 discloses a completed cap which is designed particularly for use by women.

Fig. 11 is a sectional view on line 11—11, Fig. 7.

Fig. 12 is a sectional view taken on line 12—12, Fig. 8.

Fig. 13 is a cut blank from which a man's cap is adapted to be formed.

Fig. 14 discloses one of the folding steps or operations carried out in producing the finished cap.

Fig. 15 is a perspective view of a completed cap which is designed particularly for use by men.

Fig. 16 is a sectional view taken on line 16—16, Fig. 15.

Referring to the drawings wherein like numerals represent like parts in the several views, and particularly to Sheets 1 and 2, wherein is discolsed a woman's cap, 10 designates a blank which may be cut from a rectangular piece of suitable material, preferably, paper, as paper may be cheaply obtained, and, therefore, after the cap has become slightly soiled, it may be thrown away. As the labor or cost of laundrying the cap is thus eliminated, the loss to the user is very slight.

That end of the blank which is to form the front of the cap is provided with two slits 11, which extend into the blank for a short distance, the slits being on opposite sides and at equal distances from the blank's longitudinal central line with which they are in parallelism. There is thus formed a body portion, which is to form the crown of the cap, and having a front extension or flap 12, the corners of which may be cut away obliquely as at 13. The edges of the extension 12 may have any suitable or fancy configuration, that shown in the drawings being by way of illustration only.

The end of the blank which is to form the rear of the woman's cap has its corners cut away to provide a tail-piece 14. This end of the blank is cut inwardly at opposite sides, and at right angles to the side edges of the blank forming edges 15 which are equal in length to the distance between the edge of the blank and the slit 11 at the front piece of the blank, and by this arrangement, side flaps 16 which are adapted to be folded to form the band of the cap as hereinafter described are obtained. The rear end of the blank is cut at either side along a line 17, and it is then cut transversely along edges 18, thus forming small square corners or projections. The edges 17 and 18 are equal, and, each is preferably, one-half the width of the flap 16.

The tail-piece 14 is preferably cut in substantially the form of an arc, but, of course, it may be cut to any suitable or fanciful configuration depending upon the tastes or fancies of the particular designer.

The blank may be provided with a plurality of small openings 30, which serve to ventilate the interior of the cap when the same is upon the head, and while any number of such openings may be provided, I have shown two in the present instance.

After the blank is cut out as above described, a longitudinal plait 19 on either side of the central line of the blank is made, which plaits are folded inwardly toward each other as shown in Figs. 2 and 4. The next step consists in folding the side flaps along the central longitudinal lines thereof,

as shown in Figs. 3 and 4. The blank is then folded, as shown in Fig. 5, transversely of the plaits 19 along the dotted line 20, Fig. 3.

The corners of the folded portion of the sheet of paper shown in Fig. 5 are then folded over to bring the folded edges of the flaps 16 in alinement with each other as shown in Fig. 6. The ends of the flaps 16 are then drawn from beneath the triangular folded corners 21, one of the forward ends of said flaps being adapted (as shown in Fig. 7) to inclose what had, in the unfolded blank, constituted the front edge 13 of the blank, and the forward end of the other side flap is adapted to be opened to receive the front edge of the blank together with the forward end of the opposite blank 16 which incloses such edge, as shown in Figs. 8 and 12. The parts so folded are then secured in position by any suitable securing means, in the present instance, staples 22 being illustrated as passing through the flaps 16 and being bent or clenched on the inside of the cap.

The rear end of the blank as shown in Fig. 7 is then creased along a line 23 extending obliquely from the corner between the edges 15 and 17 toward the center of the cap, and it is also creased along a line 24 running from a point formed by the edges 17 and 18 and meeting the line 23. A plait is then taken along the lines 23 and 24, which plait is so folded that the outer end of the plait lies between the folds of the blank 16 as shown in Fig. 9. As the edges 17 and 18 are equal, and are one-half the width of the flap 16, the edges 15, 17 and 18 lie one above the other, and thus form a neat and even appearance. These plaits are then secured between the plies of the flaps 16 by means of suitable fasteners 25, one of which fasteners has a string 26 secured thereto which, when the cap is placed upon the head, is adapted to be brought across the back of the head and have its free end secured to the fastener on the opposite side of the cap.

Referring now to the second embodiment of this invention which is disclosed in Figs. 13 to 16, 10′ designates a blank from which a man's cap is adapted to be produced. In this embodiment, the rear end of the blank is cut similar to the front end thereof, and these ends are somewhat similar to the front end of the women's cap heretofore described. The blank 10′ at both its front and rear end is provided with a pair of spaced-apart slits 11′ corresponding to slits 11 of Fig. 1, and forming rear and front flaps or extensions 12′ and 12″, respectively. The front and rear flaps or extensions are curved as designated by the numeral 13′ and terminate somewhat short of the ends of the side flaps 16′.

After the blank is cut out as above described, the side flaps 16′ are folded along longitudinal lines which are to one side of the longitudinal center of the flaps, so that the overlying thickness or fold of the flap is wider than the inner fold as shown in Fig. 14. The front and rear extensions 12′ and 12″ of the blank are then gathered and, if desired, they may be folded or creased along the dotted lines shown in Fig. 15 to form diagonally disposed plaits 19′. The edges 13′ at the opposite ends of the blank are then placed between the thicknesses or folds of one of the side flaps 16′ and the end of the other side flap 16′ is then opened to receive the end of the first flap as shown in Fig. 16. Staples 22 or other suitable securing means are then passed through several plies of the material as shown in Fig. 16, to secure the same in position.

The man's cap which is, preferably, constructed of paper, is substantially of circular form, as shown in Fig. 15, and presents a relatively smooth surface, and a neat and pleasing appearance. The body or crown portion of the cap shown in Figs. 13 to 16 may be folded or plaited along the same general longitudinal lines as the woman's cap disclosed in Figs. 1 to 12, but I have shown the plaits 19′ in the man's cap as converging toward the center of the cap to illustrate one of the changes which may be made.

It will be seen that in each of the embodiments of my invention the blank is cut to form a body or central portion constituting the crown of the finished cap, and a side flap on either side of the body portion, which flaps are folded to form the band of the cap. In both the women's and the men's cap the body portion is provided with a front extension, and the front ends of the side flaps are separated from this extension and these protruding or free ends of the flaps are folded over the extension and secured in place in any suitable manner.

The band portions of the caps being of substantial height and relatively smooth, present excellent surfaces to which a label bearing a suitable legend, trade-mark or advertising matter may be fastened, or on which such matter may be written or printed. In Fig. 9, I have shown a label bearing the name "Sanicap" as fastened to the front of the women's cap by means of the staples 22, while in Fig. 15, I have shown this word written or printed on the band itself, but, of course, the desired indicia may be applied to the caps in any suitable manner.

This invention is susceptible of various modifications and changes which would be within the spirit of the invention without departing from the scope of the following claims.

What is claimed is:—

1. A blank for caps comprising a body portion having a front extension, a tail piece, a flap along either side of the body

portion and each having its front end extending forwardly, and a square projection in each of the corners between the rear edge of the flap and the tail piece, the edges of said projections being substantially equal to one-half of the width of said flaps.

2. A cap comprising a crown portion, a front extension, a tail piece, longitudinal plaits in said crown, front extension and tail piece, a band composed of two flaps each connected to the opposite side of the crown portion and having their forward ends separated from said front extension, means for securing the front ends of the flaps and the front extension together, plaits in said tail piece, means for securing the rear end of the flaps and plaits together, and means connected to said securing means for adjusting and securing the cap to the head of the user.

3. A blank for caps comprising a body portion, a flap on either side of said body portion, an extension on one end of said body portion extending between the ends of said flaps, and a square projection in each of the corners between the rear edge of the flaps and the body portion.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FLORENCE L. LATTIMORE.

Witnesses:
GEORGIA G. RALPH,
ROBERT MARSH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."