Nov. 20, 1962 M. D. TULLOS 3,064,267

HAIR-DRESSING CAP

Filed Oct. 21, 1959

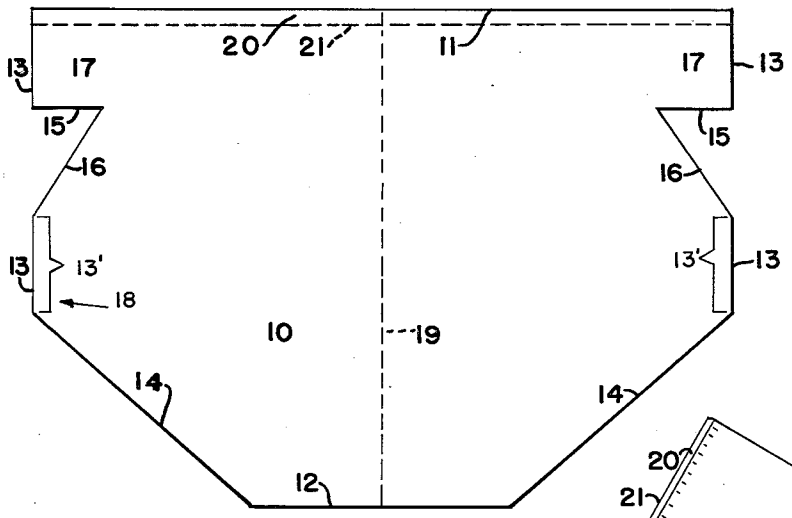


FIG. 1

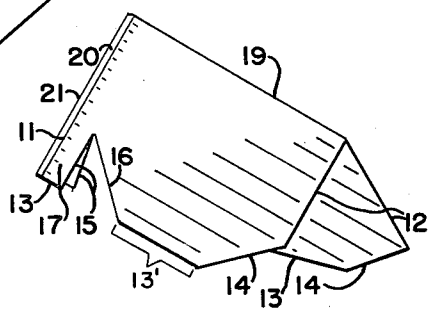


FIG. 3

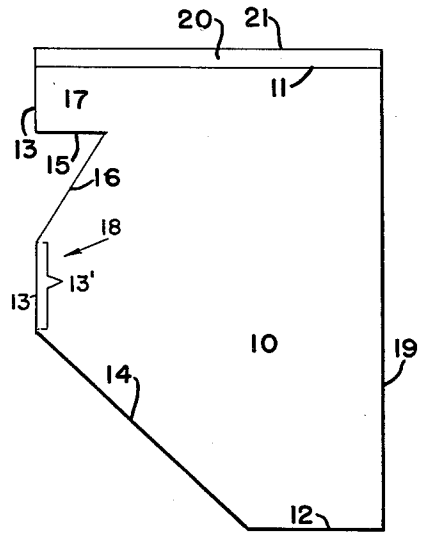


FIG. 2

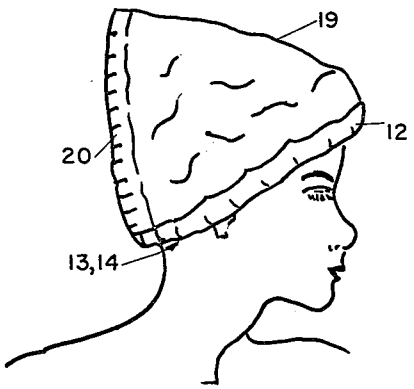


FIG. 4

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HAIR-DRESSING CAP

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This invention relates to equipment employable in and to facilitate diverse operations incident to the dressing of human hair and, more particularly, to cap units applicable in shrouding relation with hair of the wearer at certain stages of its treatment to isolate the hair from contact with the atmosphere, to retain and prolong a moistened condition of the hair, or both, and has as an object to provide a novel and improved hair-dressing cap of high practicality and wide utility.

A further object of the invention is to provide a novel and improved hair-dressing cap adjustably applicable to diverse use positions on individuals of varying specificity without recourse to associated fasteners or connectors of any nature.

A further object of the invention is to provide a novel and improved hair-dressing cap characterized by inherent amenability to manual adjustment of size and conformation.

A further object of the invention is to provide a novel and improved hair-dressing cap adapted for expedient and economical production from readily-available materials.

A further object of the invention is to provide a novel and improved hair-dressing cap that is economically appropriate for discard after one instance of its use.

A further object of the invention is to provide a novel and improved organization and operative correlation of features and elements constituting a hair-dressing cap of unique practicality.

With the foregoing and other objects in view, my invention consists in the construction, arrangement, and operative combination of elements as hereinafter set forth, pointed out in my claims, and illustrated by the accompanying drawing, in which—

FIGURE 1 is a plan view of the sheet blank primary to the production of my improved cap in accordance with the principles of the invention, broken lines in the view indicating fold lines pertinent to completion of the unit in condition for practical use.

FIGURE 2 is a plan view of the blank represented by FIGURE 1 as organized ready for use.

FIGURE 3 is a perspective view of the arrangement according to FIGURE 2 as partially expanded immediately prior to actual use thereof.

FIGURE 4 is a side elevation of the improvement according to the preceding views in actual use position.

Various operations incident to the dressing of human hair, unnecessary of detailed elaboration herein, involve as a stage a period during which the appropriately conditioned hair is isolated from contact with the atmosphere, or during which the conditioned hair is maintained subject to the influence of a wetting agent, or both, wherefrom derives occasion for transient covering or shrouding of the conditioned hair with instrumentalities impervious or resistant to the passage of air and moisture therethrough, to which end many facilities employable to cover, isolate, and envelop human hair in process of dressing have been devised, but for various reasons all devices known to be available for such purposes have been less than satisfactory and the instant invention is hence directed to the provision of a unique hair-dressing facility free from the known disadvantages of analogous conventional equipment and of felicitous practical utility.

The improved hair-dressing cap of the invention is constructed from flexible sheet material of any particular kind or nature having the requisite properties of flexibility, air and water impermeability, pliancy, irresilience, and

low cost, which material by virtue of the properties just enumerated is readily foldable and manipulable into persistent conformity with irregular surfaces, the metal foils extensively available desirably manifesting the requisite properties and including an aluminum foil commercial product particularly suited for practice of the invention.

From the appropriate sheet materials, such as aluminum foil, a blank of the form represented by FIGURE 1 is separated by any expedient means in a size and dimension proportion appropriate to envelop the hair of a human head of estimated maximum size. The blank primarily used to practice the invention is a flat sheet **10** of the selected appropriate material presenting in modified rectangular form an outline symmetrical with respect to the transverse median line of the blank which is significant to realization of the advantages of the improvement. In a length dimension exceeding its width, the blank **10** is formed with a straight, long upper side margin or edge **11** spacedly parallel to and opposite a lower straight margin or edge **12** much shorter than and symmetrically centered relative to the margin **11**, and with like spacedly-parallel, straight end margins or portions **13** perpendicularly intersecting the margin **11** in an individual initial length approximating that of the margin **12** and terminally closing to opposite ends of the latter through inclined, convergent sheet end edges or portions **14** alike in a consequent individual length approximating or slightly exceeding that of the margin **12**. Inwardly from the margin **11** along each end margin **13** the latter is interrupted by a triangular notch defined by a cut or edge portion **15** intersecting the sheet **10** parallel to the margin **11** at a spacing therefrom on the order of one-third the initial length of the end margin **13** to extend within the sheet a distance somewhat less than such spacing, and by an oblique cut or edge portion **16** spanning between the inner end of the cut **15** and intersection with the associated end margin **13** at a point removed from the cut **15** at a distance approximating the spacing of the latter from the margin **11**, whereby to establish at each end of the sheet **10** a generally-rectangular tab area **17** adjacent the margin **11** and a generally-trapezoidal area **18** spaced therefrom.

Consistent with the preceding description, and for purposes of clarification, the blank or sheet shown in FIGURE 1 can be defined as having parallel upper and lower side edges **11** and **12** respectively, with the lower side edge **12** being shorter than the upper side edge **11**. Further, the lower side edge **12** extends equally on opposite sides of the transverse median axis **19**. Following this manner of definition, the sheet has a pair of end edges extending respectively between opposite ends of the side edges **11** and **12**. The end edges are symmetrical about the transverse median axis **19**, and each of the edges comprises first, second, third, fourth, and fifth edge portions progressively from the upper side edge toward the lower side edge. The first edge portion **13** extends at least substantially perpendicularly to the side edges **11** and **12**. The second side edge portion **15** extends inwardly of the first edge portion **13** toward the median axis **19** and is at least substantially parallel to the side edges **11** and **12**. The third edge portion **16** extends slopingly outwardly and downwardly from the inner end of the second edge portion **15** whereby the second and third edge portions define a notch spaced from the upper side edge **11**. The fourth edge portion **13'** is at least substantially straight and extends at least substantially perpendicularly to the side edges **11** and **12**. The fifth edge portion **14** extends slopingly inwardly and downwardly of the fourth edge portion **13'** from the lower end thereof toward the adjacent end of the lower side edge **12**.

Constituted from material having the properties characteristic of aluminum foil to an outline symmetrical with

respect to its transverse median line substantially as shown and described, the sheet **10** blank is foldable on its transverse median line, indicated at **19** in FIGURE 1, into superposed, marginal registration of its half portions and into consequent registered opposition of the corresponding areas **17** and **18** characterizing the original end zones of the sheet, in which folded condition of the blank the cap of the invention is completed ready for practical use by an interbonding of the superposed sheet half laminations along the registered half portions of the long margin **11** in any feasibly practical manner, the nature of the material utilized to form the blank permitting the development of such interbond through a simple, inward fold of a narrow strip **20** of the sheet material adjacent both registered half portions of the margin **11**, as on the indicated line **21** of FIGURE 1, over and firmly against the inwardly-adjacent zones of the superposed sheet halves, whereby to arrange the elements of the initial blank as a compact, flat unit, represented by FIGURE 2, susceptible of expansion through separation of the unbonded areas of the sheet half portion laminations, as in FIGURE 3, upon occasion for and at the time of its practical use.

The simple inward fold of the narrow strip **20** of the sheet material adjacent both registered half portions of the margin **11** serves as a means securing such half portions or plies together adjacent and across the upper end edge or margin **11** whereby the half portions or plies form a pliable hood.

Expanded through separation of its half portion laminations as typified by FIGURE 3, the flat cap unit of FIGURE 2 is a hollow, inwardly-convergent facility adapted for telescopic engagement over the human head in an obvious manner to dispose the interbond of the overlapped strip **20** at and in vertical extension above the nape of the neck and the transverse median fold line **19** of the original sheet centrally and forwardly over the crown of the head, as in FIGURE 4, in which disposition of the cap unit the tab areas **17** are conjoined in extension below the normal hair line across the nape of the user's neck, the areas **18** of the sheet halves depend at the sides of the head loosely over and below the wearer's ears, and the area of the sheet inwardly along the margin **12** overhangs in extension beyond the hair line at the brow of the wearer, thus to cover and potentially shroud the hair of the user. Used in conjunction with a head and hair mass of the maximum size to which the unit is adapted, the utility of the improvement is given effect through a simple crinkling, gathering, and manual infolding of its free margins into conforming engagement with the head, neck, and brow areas exposed adjacent the hair line, the material utilized for unit production retaining through its inherent properties the dispositions to which adjusted and establishing, when marginally tucked into place, an air and moisture impermeable envelope self-secured in shrouding relation with the hair. When availed of for association with heads and hair masses of less than the maximum size to which the unit is adapted, adjustment of the unit size to desired correlation with the head and its hair is readily accommodated by the unique outline feature of the original blank, since, with the expanded unit in place on the head, it is convenient and eminently practical to infold marginal zones of the tabs **17**, areas **18**, and material adjacent the margin **12** exteriorly over the contiguous sheet areas to an appropriate degree preliminary to final tucking of the thus-adjusted unit free margins about and against the head zones of the wearer, as indicated by the showing of FIGURE 4.

Organized and positioned for use as represented and above explained, the novel cap of the invention loosely invests the hair of the wearer as a hood retained in full closing relation thereover as a consequence of the pliant and irresilient properties of the material wherefrom it is constituted, which properties accommodate manipulation and adjustment of the cap unit, and especially the free margins thereof, into desired use correlation with diverse

head and hair conformations, facilitate removal and replacement of the unit, and conveniently admit of such inspection of the progress of hair treatment thereunder as may be appropriate, all without occasion for the plying of pins, ties, snaps, hooks, buttons, buckles, or equivalent fasteners. The impermeable nature of the sheet material from which all of the elements and components of the cap unit are formed qualifies the improvement to positively inhibit access of air to or effusion of vapors from the region hooded thereby, and the very low cost of commercially-available such material appropriate for production of the cap units with minimal labor and assembly expense establishes the economical expendability of the units after each instance of use.

Since changes, variations, and modifications in the form, construction, and arrangement of the elements shown and described may be had without departing from the spirit of my invention, I wish to be understood as being limited solely by the scope of the appended claims, rather than by any details of the illustrative showing and foregoing description.

I claim as my invention:

1. A hair dressing cap comprising an initially flat air and water impermeable pliant but irresilient sheet, said sheet having spaced apart, at least substantially parallel upper and lower side edges, said lower side edge being shorter than said upper side edge, said lower side edge extending equally on opposite sides of the transverse median axis of said sheet disposed perpendicular to said side edges, said sheet having a pair of end edges extending respectively between opposite ends of said side edges, said end edges being symmetrical about said transverse median axis, each of said end edges having a triangular inwardly extending notch therein, the top of said notch being spaced from said upper side edge whereby the portion of said sheet between said upper side edge and the top of said notches is an elongate generally rectangular tab area, each of said end edges being tapered inwardly from a point spaced from the bottom of said notch toward the adjacent end of said lower side edge, said sheet being folded along said transverse medial axis to form two superimposed plies with said end edges in overlying co-terminal relation, means securing said plies together adjacent and across said upper end edge whereby said plies form a pliable hood adapted to be placed over a user's head with said upper end edge disposed at the rear thereof whereby said hood can be crimped into closed engagement about a user's hair.

2. A hair dressing cap comprising an initially flat air and water impermeable pliant but irresilient sheet, said sheet having spaced apart, at least substantially parallel upper and lower side edges, said lower side edge being shorter than said upper side edge, said lower side edge extending equally on opposite sides of the transverse median axis of said sheet disposed perpendicular to said side edges, said sheet having a pair of end edges extending respectively between opposite ends of said side edges, said end edges being symmetrical about said transverse median axis, each of said end edges comprising first, second, third, fourth, and fifth edge portions progressively from said upper side edge toward said lower side edge, said first edge portion extending at least substantially perpendicularly to said side edges, said second edge portion extending inwardly of said first edge portion toward said median axis and at least substantially parallel to said side edges, said third edge portion extending slopingly outwardly and downwardly from the inner end of said second edge portion whereby said second and third edge portions define a notch spaced from said upper side edge, said fourth edge portion being at least substantially straight and extending at least substantially perpendicularly to said side edges, and said fifth edge portion extending slopingly inwardly and downwardly of said fourth edge portion from the lower end thereof toward the adjcent end of said lower side edge, said sheet being folded along

said transverse medial axis to form two superimposed plies with said end edges in overlying co-terminal relation, means securing said plies together adjacent and across said upper end edge whereby said plies form a pliable hood adapted to be placed over a user's head with said upper end edge disposed at the rear thereof whereby said hood can be crimped into closed engagement about a user's hair.

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