March 11, 1941. W. P. SCHNEIDER 2,234,582

RAINCOAT AND HEAD COVERING

Filed July 21, 1937 2 Sheets-Sheet 1

Fig. 1

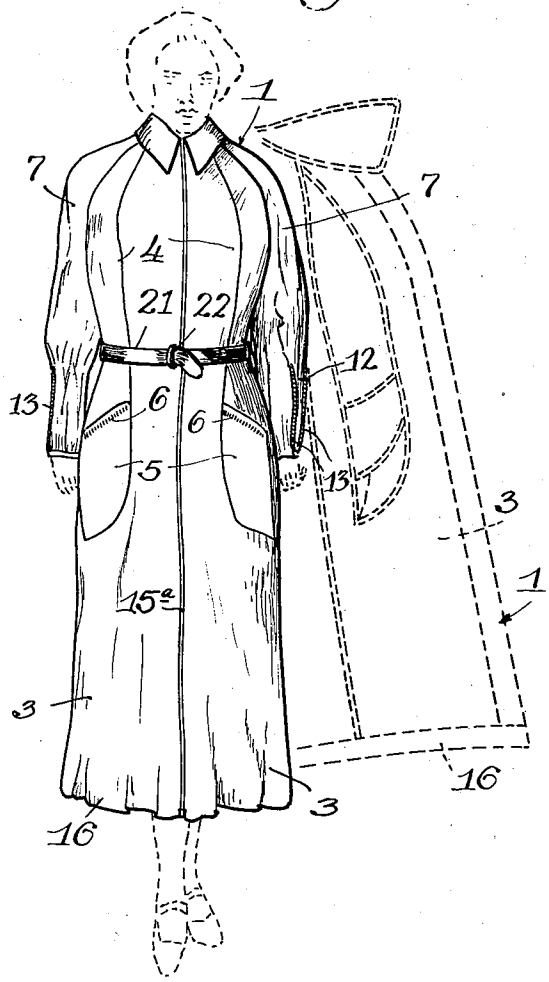
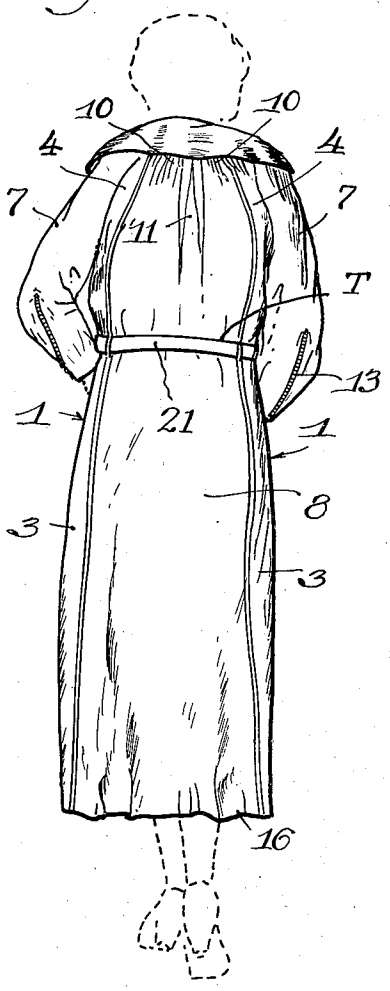


Fig. 2



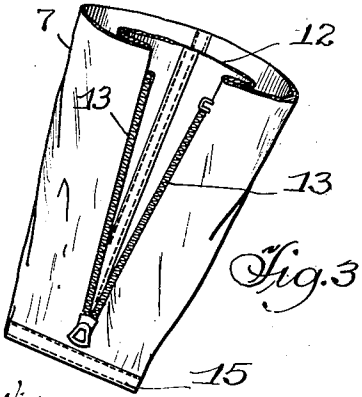


Fig. 3

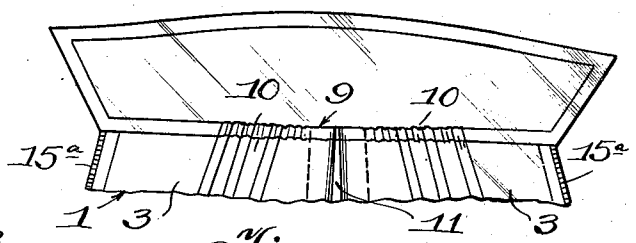


Fig. 4

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Fig. 5

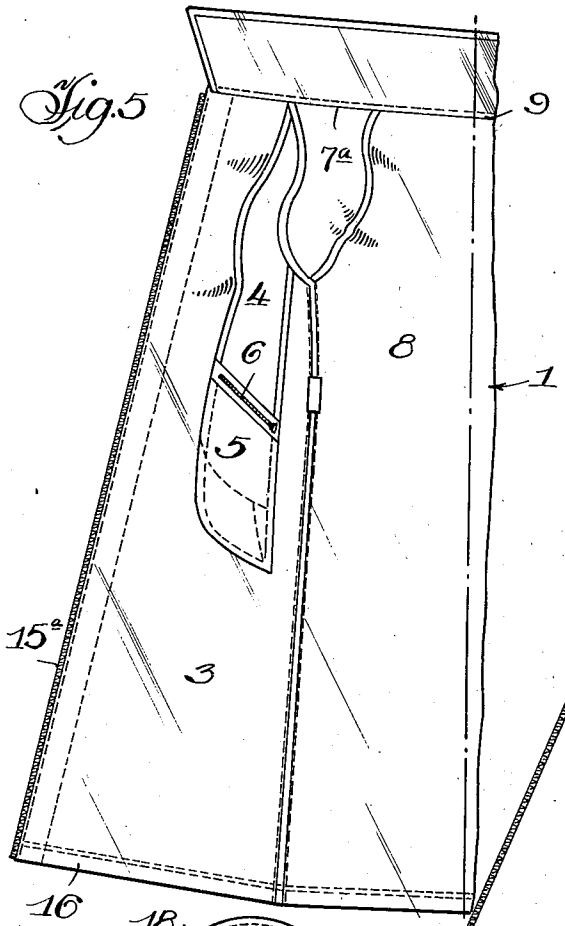


Fig. 6

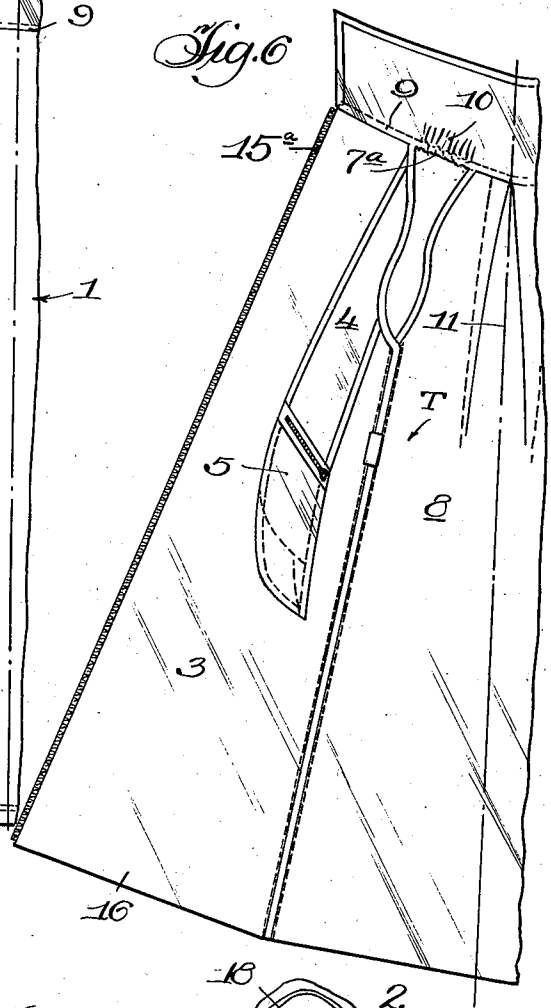


Fig. 7

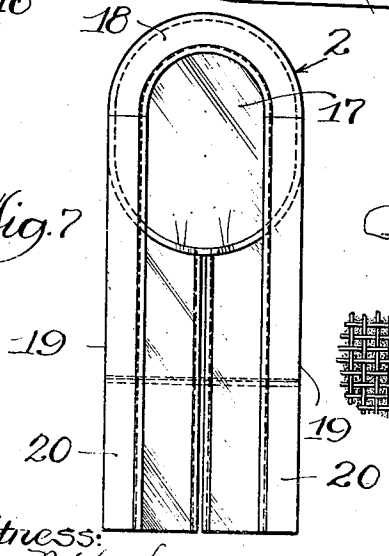
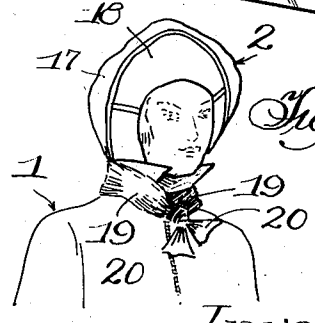


Fig. 9



Fig. 8



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Patented Mar. 11, 1941 2,234,582

UNITED STATES PATENT OFFICE

2,234,582

RAINCOAT AND HEAD COVERING

Winifred P. Schneider, Chicago, Ill.

Application July 21, 1937, Serial No. 154,689

3 Claims. (Cl. 2—87)

The present invention relates to an article of wearing apparel and more particularly to a novel raincoat and head covering.

Among the objects of the present invention is to provide a novel construction of raincoat so designed and constructed as to provide in a single garment a coat adapted to conformably fit persons requiring coats of varying sizes. Furthermore, this adjustable feature permits adjustment of the coat so that it may be worn over the sheerest summer dress or heaviest winter coat or garment and always appear stylish and form fitting.

Another object of the present invention is to provide a novel raincoat fabricated of a waterproof material formed of a finely woven fibrous material, preferably Japanese silk, suitably processed or treated with vegetable oils, pyroxylin lacquers or drying oils which impregnate each and every thread and make the material impervious to water. This material has the following inherent advantages and properties:

1. It may be washed with soap and water or cleaning fluids without injury.
2. The finish is not oily or sticky to the touch and remains that way throughout its life.
3. The finish will not break down, dry out, crack or deteriorate with age, but will always remain flexible and will not adhere or stick in hot weather.
4. It may be readily and successfully ironed or steamed without damage.
5. It will not mildew and is moth-repellant.
6. The tensile strength does not decrease due to heat or under varying conditions.
7. It is processed and dyed in one and the same continuous operation and the color is sun fast.
8. It permits the passage therethrough of ultra-violet rays.

A further object is to provide a novel raincoat affording complete coverage for the wearer. The present raincoat is fastened from the neck to the hem by means of a slide fastener which completely encloses the wearer and prevents the front of the garment from becoming wet or soiled.

A further object is to provide a novel head covering which may be worn with or without a hat and is further adjustable and fits snugly over various size hats.

Further objects, advantages and capabilities will be apparent from the disclosure or are inherent in the novel raincoat and head covering.

In the drawings:

Fig. 1 is a view in front elevation of the novel raincoat on the body of a wearer and also depicting in dotted outline the construction and design of a front panel of the coat.

Fig. 2 is a view in rear elevation of the novel raincoat.

Fig. 3 is a fragmentary view in perspective of a sleeve showing its adjustable features.

Fig. 4 is a fragmentary inside view of the adjustable collar.

Fig. 5 is a plan inside view of one-half of the body of the raincoat at one stage of its fabrication.

Fig. 6 is a view similar to Fig. 5 after the forming of the box plait in the back of the coat at the neck line and the shirring in the neck band.

Fig. 7 is a plan view of the head covering.

Fig. 8 depicts the head covering in position and the manner in which the ties or ends thereof are tied over the collar of the raincoat.

Fig. 9 is a fragmentary view of the material greatly magnified or enlarged to show the fibres or threads and the coating with which the material is impregnated.

The material from which the novel coat is made is constructed of finely woven fabric, preferably Japanese silk, treated with suitable vegetable oils formed with a China wood oil base containing minerals and resins and drying oils or pyroxylin lacquers. In the processing operation the silk is passed continuously through a bath including vegetable oils formed with a China wood oil base containing resins and minerals and drying oils or pyroxylin lacquers, maintained at a suitable temperature. I have obtained excellent results at approximately 120° F. This bath or solution also contains a dye or color adapted to impart to the finished product during the processing operation, the desired color. The travel of the material through the bath is continuous and of sufficient duration to thoroughly impregnate and seal the material with the solution and render it waterproof. As the material leaves the bath it is passed continuously through a drying oven which is maintained at a suitable temperature. Excellent results are obtained when the temperature of the drying oven is maintained between 180° F. and 220° F. In thus treating the material its initial tensile strength and flexibility is in nowise impaired but improved. The finished material is extremely light in weight and its treatment prevents oxidation in the finished product and results in a waterproof fabric having the advantages heretofore pointed out. This material is light in weight, may be processed in any

desired color or combination of colors, and the parts making up the structure are so designed and related as to provide adjustability throughout the garment. Thus the coat provides a single garment of varying sizes and it is only necessary to make several sizes of garments to fit persons in the various size ranges and due to this standardization, the cost per garment is appreciably reduced.

The garment or raincoat 1 is formed of a number of sections or pieces of materials so combined as to provide a coat of varying sizes which allows adjustment in the bust, sleeves, skirt and around the neck. As will be clear from the drawings, the disclosed embodiment comprises front panels or sections 3, 3, in each of which is inserted a side gusset 4 extending and suspended from the shoulder to the top of the hip line T sewed by a French or feld seam, and a pocket 5 secured to and supported from the gusset and provided with a slide fastener 6. The gored waistline adds style to the garment and avoids an appearance of bulkiness. The sleeves 7 are of the raglan type with a top seam 7a and arm holes formed in the adjacent portions of the front panels 3, 3 and back panel 8 and curved in such a way as to give additional width across the back. Also, the cuts in the bust, sides and top of the sleeves are so curved and related as to give additional width when and where necessary, although the garment at all times avoids the appearance of bulkiness. To give additional adjustment, the seam 9 between the body of the garment and collar is preferably shirred as at 10, 10 in Fig. 4, as by means of an elastic insert or tape. This shirring is arranged merely over the shoulders and therebetween is provided a box plait 11.

Each sleeve 7 is made of a size sufficient to receive a sleeve of a heavy winter coat. However, provision is made as in Fig. 3 to reduce the size of the sleeve without in any way detracting from its appearance. This is accomplished by means of a plait 12 with the complementary parts of a slide fastener 13 sewed to the edges of the plait as by means of tape or the like and extending from the cuff 15 to approximately the elbow. Thus the size of the cuff is fixed and relatively tight fitting while the fastener, when closed, encloses the plait or folded portion 12 of the sleeve.

In order to completely protect the body of the wearer, the panels 3, 3 are each provided with a complementary part of a slide fastener 15a sewed to the edges of these panels by a tape or the like and extending from the collar to the hem 16. The hem and edge of each panel to which the fastener is attached are preferably of double thickness, with the same additionally reinforced to prevent pulling out or tearing.

An embodiment of the head covering 2 is shown in Figs. 7 and 8 of the drawings. It comprises a substantially circular section 17, an arcuate portion 18 and pendant ends or projections 19, 19 connected to the circular section and arcuate portion and adapted to be wrapped about the neck of the wearer, and if desired, tied into a bow. The extreme end 20 of each projection is preferably doubled or formed of two thicknesses to add strength.

In order to add additional strength to the garment, I preferably provide double stitched flat or feld seams and thereby avoid the possibility of ripping or tearing. I also provide reinforced stitching of the hem for the same purpose. If desired, the garment may be provided with a belt 21 having a suitable buckle or connecting means 22.

From the above description and the disclosure in the drawings, it will be apparent that the invention comprehends a novel raincoat and head coverings, as well as a novel material and method of fabrication which permits a wide adjustment throughout.

Having thus disclosed the invention, I claim:

1. A raincoat adapted to form fit to varying sizes over street attire generally worn in different seasons and climates comprising a body covering portion, raglan type sleeves and a collar, the upper part of each of said sleeves having a portion extending to said collar, securing means for securing said sleeve portion to said collar located between said sleeve portion and collar and extending over the shoulder, and means for adjusting said collar and upper sleeve part located along the said securing means.

2. A raincoat adapted to form fit to varying sizes over street attire generally worn in different seasons and climates comprising a body covering portion, raglan type sleeves and a collar, the upper part of each of said sleeves having a portion extending to said collar, securing means for securing said sleeve portion to said collar located between said sleeve portion and collar and extending over the shoulder, and means for simultaneously adjusting said collar and upper sleeve part located along the said securing means, said adjusting means comprising elastic tape.

3. A raincoat adapted to form fit to varying sizes over street attire generally worn in different seasons and climates comprising a body covering portion, raglan type sleeves and a collar, the upper part of each of said sleeves having a portion extending to said collar, a seam for connecting the sleeve to the collar and extending over the shoulder, and a single elastic means for adjusting said collar and upper sleeve part located along the said seam.

WINIFRED P. SCHNEIDER.

CERTIFICATE OF CORRECTION.

Patent No. 2,234,582. March 11, 1941.

WINIFRED P. SCHNEIDER.

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 2, first column, line 57, for the word "same" read --seams--; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 29th day of April, A. D. 1941.

Henry Van Arsdale,
Acting Commissioner of Patents.

(Seal)