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2,430,485

ADJUSTABLE SHOULDER PAD

Original Filed July 13, 1944

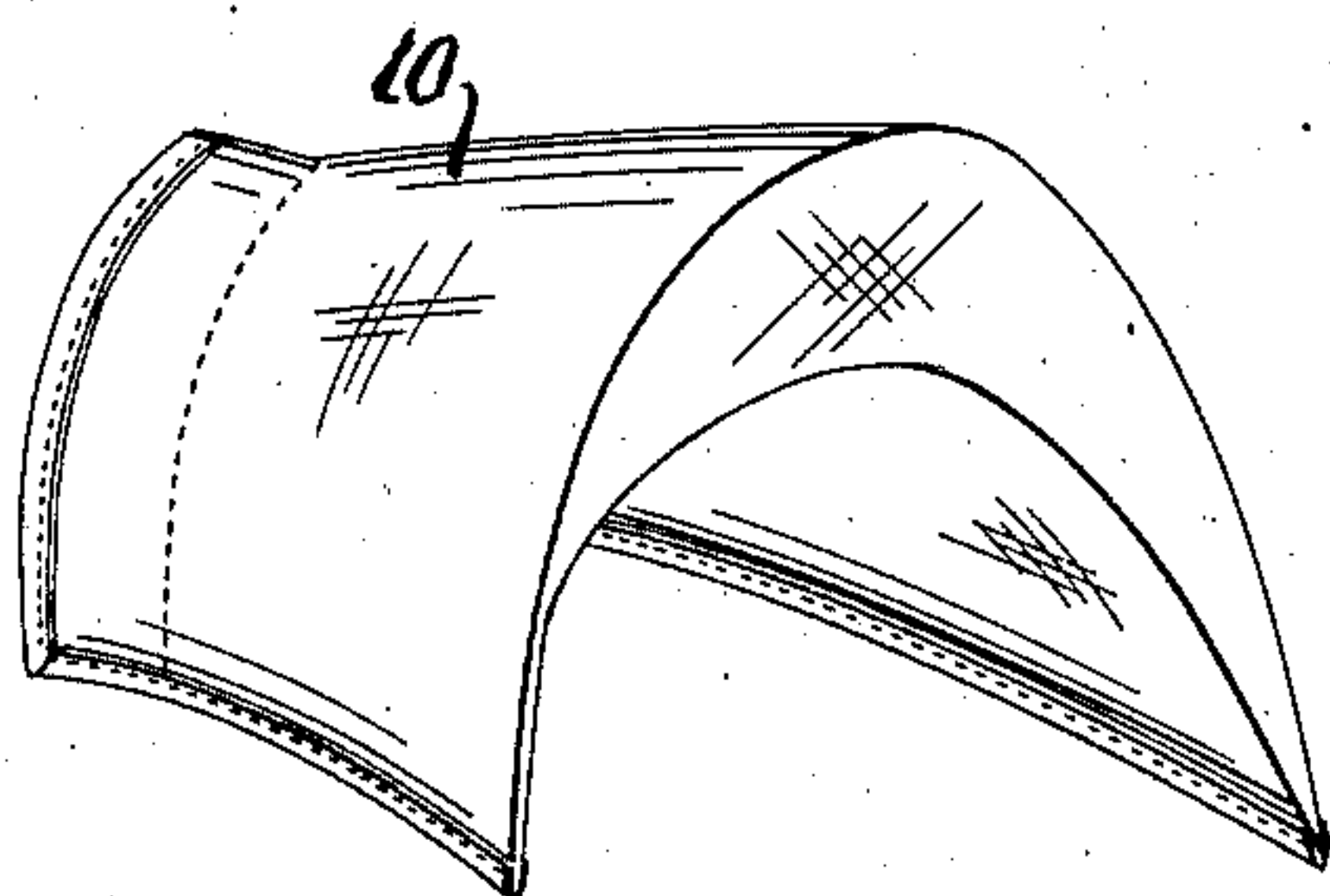


FIG. 1.

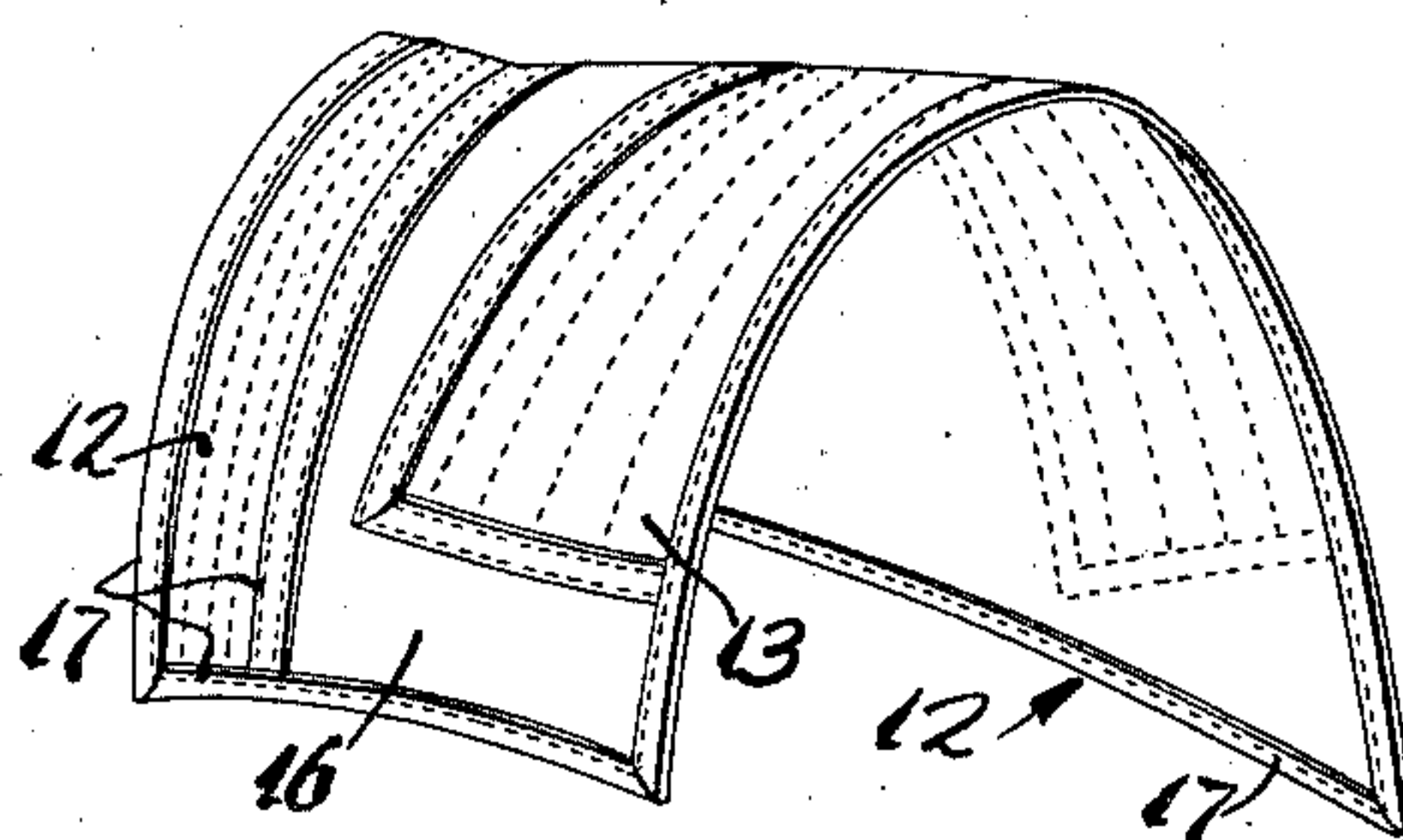


FIG. 6.

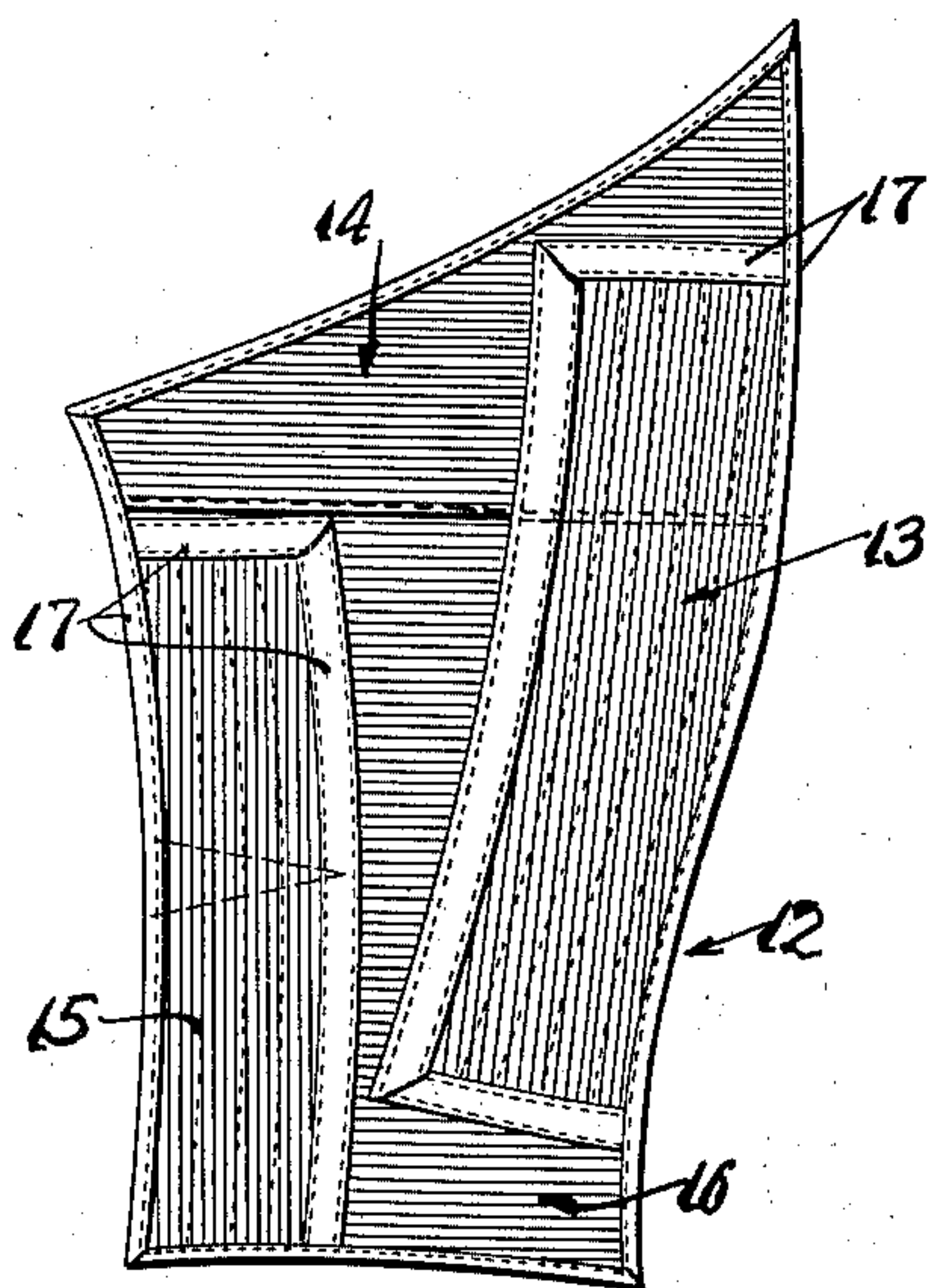


FIG. 4.

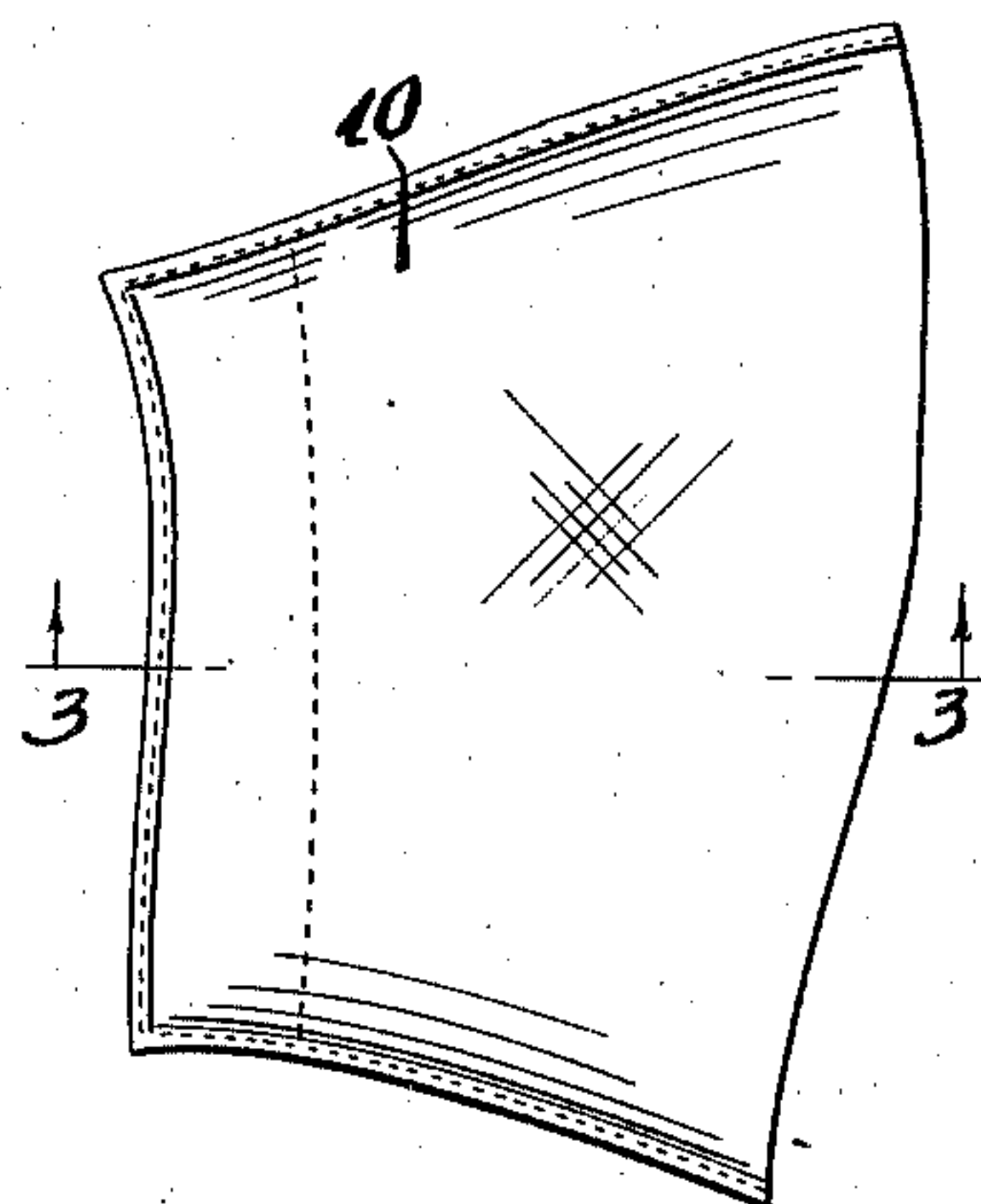


FIG. 2.

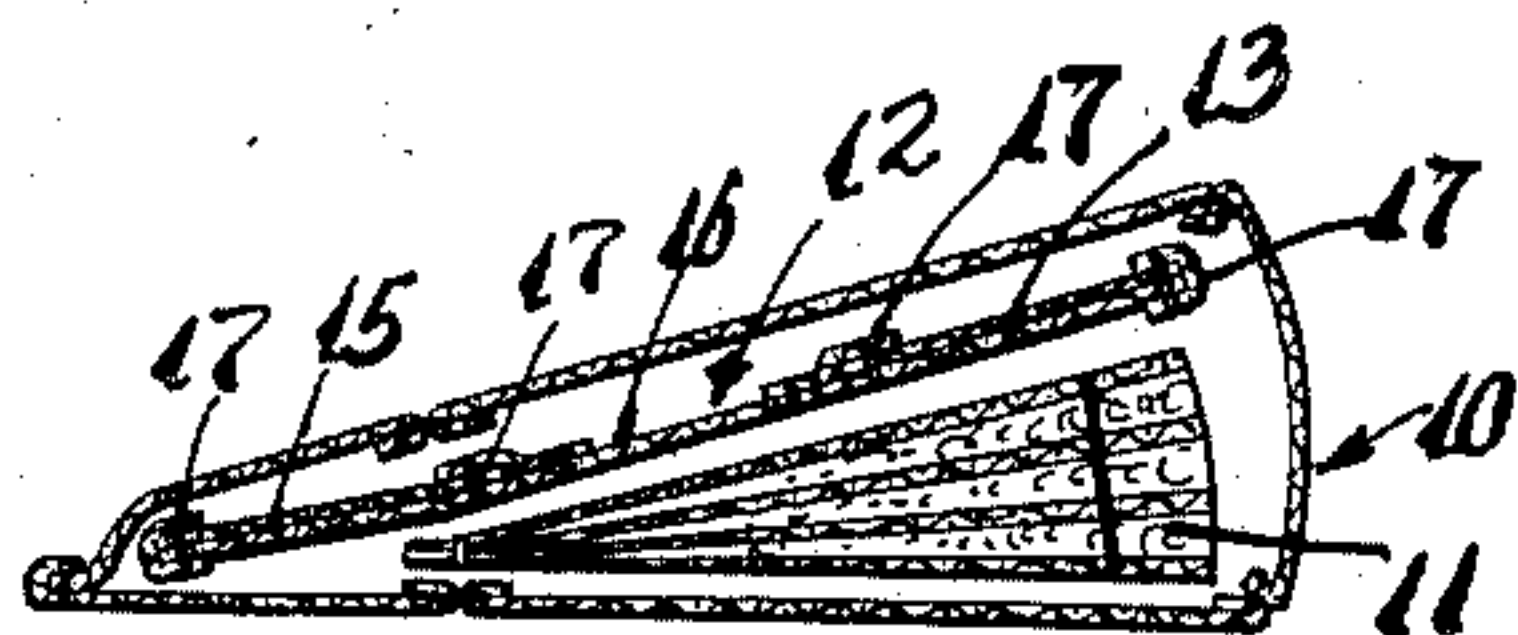


FIG. 3.

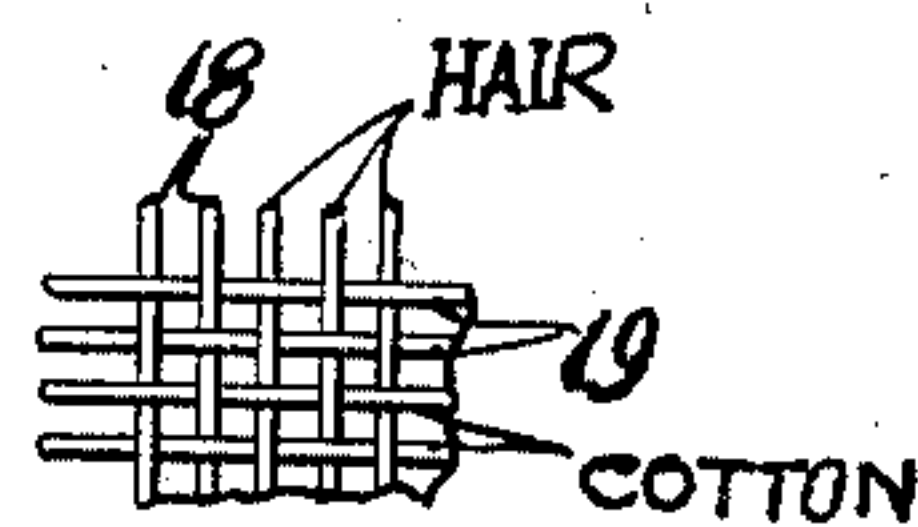


FIG. 5.

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2,430,485

ADJUSTABLE SHOULDER PAD

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Substituted for abandoned application Serial No. 544,696, July 13, 1944. This application August 8, 1945, Serial No. 609,612

6 Claims. (Cl. 2—268)

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This invention relates to new and useful improvements in shoulder pads for coats, garments and the like.

This is a substitute for my abandoned application, filed on July 13, 1944, Serial Number 544,696.

More particularly, the invention proposes an improved shoulder pad which has a woven stiffening member which includes one main and one or more auxiliary woven sheets having flexible strands extending in one direction of the shoulder pad and thread strands extending in another direction of the shoulder pad.

It is proposed that the flexible strands be in the nature of relatively stiff hair. The thread strands may be cotton, silk, rayon or other similar threads. With this construction the woven stiffening member will have the ability to flexibly support the shoulders of the coat or garment forwards and rearwards of the shoulder because the hair in this direction is relatively stiff and has quite a lot of supporting action. Inwards and outwards of the shoulder, that is, from the neck outwards, the stiffening member is softer and looser because of more thread strands in this direction. It is therefore conformed to the shape of the shoulder and makes an exceptionally good fit on the shoulder.

The invention proposes the use of padding material secured to the woven stiffening member for providing the necessary padding effect for the shoulder pads.

The new and improved shoulder pad is also provided with a cloth casing for encasing the padding material and the woven stiffening member.

Another object of the invention is the construction of an article as mentioned which is simple and durable and which may be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a perspective view of a shoulder pad for a coat or garment constructed in accordance with this invention.

Fig. 2 is a plan view of the shoulder pad shown in Fig. 1.

Fig. 3 is a fragmentary enlarged sectional view taken on the line 3—3 of Fig. 2.

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Fig. 4 is a plan view of the woven stiffening member, per se.

Fig. 5 is an enlarged detailed view of a portion of the woven stiffening member in Fig. 4.

Fig. 6 is a similar view to Fig. 1, with the casing and padding removed.

The new and improved shoulder pad for coats, garments and the like, in accordance with this invention, includes a cloth casing 10. Preferably, this casing 10 is formed from several pieces of cloth material secured together. Within the casing 10 there is padding material 11. This padding material may be in the nature of a cotton padding or the like material. A woven stiffening member 12 is mounted within the casing 10 and upon said padding material 11. The new and improved feature of the shoulder pad resides in the construction of this woven stiffening member 12.

The woven stiffening member 12 is shown formed from a plurality of woven sheets 13, 14, 15 and 16. Certain of these sheets are superimposed to form double layers. At other points the woven stiffening member is of a single layer. The sheets are all secured together into a unit by tapes 17 stitched along the edges of the various pieces. The woven pieces 14 and 16 are secured together by stitches along the seam 20 and are formed from a plurality of flexible strands 18 extending inward and outward in relation to the shoulder pad when in place on one's shoulder, that is from right to left as illustrated in Fig. 4. The woven pieces 14 and 16 also include thread strands 19 extending forward and backward of the shoulder pad in relation to one's shoulder, that would be up and down in relation to Fig. 4. The woven pieces 13 and 15 are auxiliary pieces forming reinforcing members and are also formed of a plurality of flexible strands 18 which however extend forward and backward that is, up and down in Fig. 4, while the thread strands 19 thereof extend inward and outward in relation to one's shoulder, that would be from right to left in Fig. 4.

The flexible strands 18 preferably are horse hair. A relatively strong and stiff hair should be used. The thread strands 19 are cotton, silk, rayon or other similar threads.

The particular shape of the shoulder pad illustrated on the drawing is only illustrative. In accordance with this invention the pad may be of any design and shape. The dominating feature of the new and improved pad resides in the fact that the hair strands 18 of the pieces 14 and 16 will flexibly support the shoulder of one's

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coat from inward to outward of the neck and the thread strands 19 will be capable of fashioning in the forward and rearward direction. The thread strands 19 will bend and conform to the shape of the shoulder. The auxiliary sheets 13 and 15 will give reinforced support forwards and rearwards of the shoulder. For this reason the pad will hug the shoulder. The padding material 11 is depended upon to form a desirable shape of padding effect for a particular pad.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. A shoulder pad for coats, garments, etc., comprising a cloth casing, padding material in said casing, and a woven stiffening member mounted on said padding material and including a main woven sheet having flexible strands extending inward and outward of the shoulder pad and thread strands extending forward and backward of the shoulder pad, and auxiliary woven pieces inserted into the lengthwise margin of said pad having flexible strands and thread strands extending forwards and backwards, and inwards and outwards of the shoulder pad respectively.

2. A shoulder pad for coats, garments, etc., comprising a cloth casing, padding material in said casing, and a woven stiffening member mounted on said padding material and including woven sheets, flexible strands and thread strands at right angles to each other, certain of said woven sheets having the flexible strands extending inward and outward of the shoulder pad and inserted into the lengthwise margin of said pad, the other of said woven sheets having the flexible strands extending forward and backward of the shoulder pad, said flexible strands being strands of hair.

3. A shoulder pad for coats, garments, etc., comprising a cloth casing, padding material in said casing, and a woven stiffening member mounted on said padding material and including woven sheets, flexible strands and thread strands at right angles to each other, certain of said woven sheets having the flexible strands extending inward and outward of the shoulder pad and inserted into the lengthwise margin of said pad, the other of said woven sheets having the flexible

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strands extending forward and backward of the shoulder pad, said thread strands being strands of cotton and the like material.

4. A shoulder pad for coats, garments, etc., comprising a cloth casing, padding material in said casing, and a woven stiffening member mounted on said padding material and including woven sheets, flexible strands and thread strands at right angles to each other, certain of said woven sheets having the flexible strands extending inward and outward of the shoulder pad and inserted into the lengthwise margin of said pad, the other of said woven sheets having the flexible strands extending forward and backward of the shoulder pad, said flexible strands being hair and said thread strands being cotton or similar fibrous material.

5. A shoulder pad for coats, garments, etc., comprising a cloth casing, padding material in said casing, and a woven stiffening member mounted on said padding material and including a woven sheet having flexible strands extending inward and outward of the shoulder pad and thread strands extending forward and backward of the shoulder pad, and inserted into the lengthwise margin of said pad, auxiliary woven sheets of flexible and thread strands being superimposed to make the woven stiffening member of double layers at some areas.

6. A shoulder pad for coats, garments, etc., comprising a cloth casing, padding material in said casing, and a woven stiffening member mounted on said padding material and including a woven sheet having flexible strands extending inward and outward of the shoulder pad and thread strands extending forward and backward of the shoulder pad, and inserted into the lengthwise margin of said pad, auxiliary woven sheets of flexible and thread strands being superimposed to make the woven stiffening member of double layers at some areas, and said woven sheets being secured together in a unit by tape and stitches along the edges thereof.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
359,441	Goldman	Mar. 15, 1887
814,395	Raphael	Mar. 6, 1906
705,007	Wolf	July 15, 1902
2,140,853	Sandone	Dec. 20, 1938