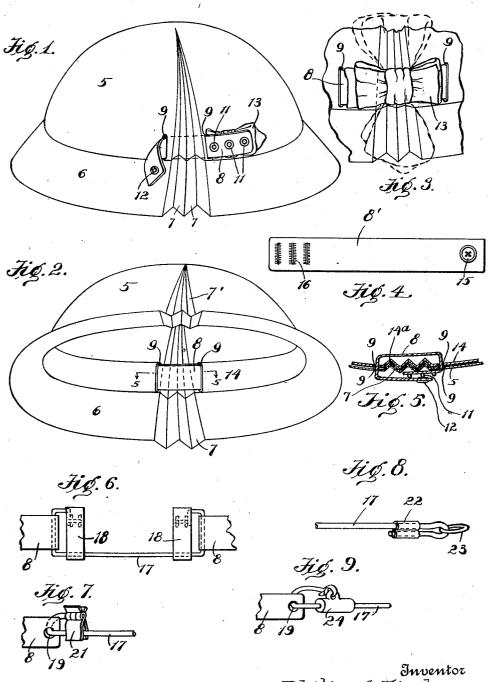
## P. A. FISCHER

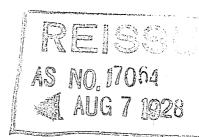
ADJUSTABLE HAT

Filed Nov. 25, 1922

2 Sheets-Sheet 1



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March 20, 1928.

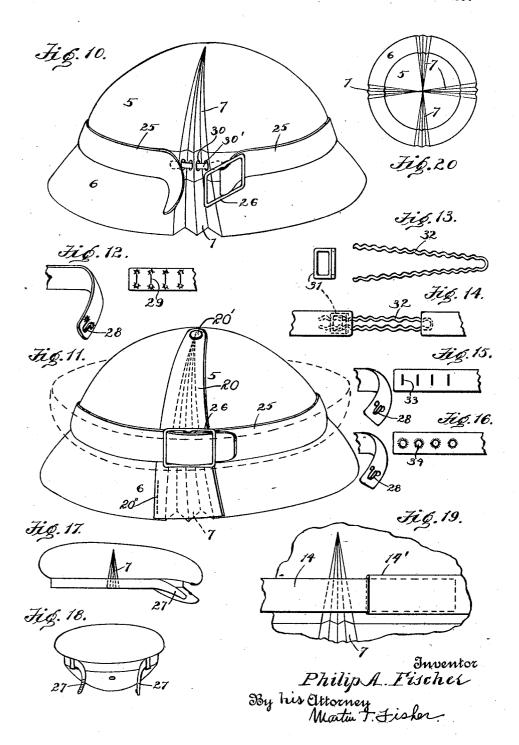
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1,663,124

ADJUSTABLE HAT

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## UNITED STATES PATENT

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**BEISSUED** 

## ADJUSTABLE HAT.

Application filed November 25, 1922. Serial No. 608,175.

is to say, a hat the head size of which may be varied so that it will comfortably fit any

average sized head.

A hat with a variable head size presents several advantages. From the manufacturing point of view, it is difficult to predict just how many hats to make of a given size; from the retailers point of view, it is diffiocult to tell just how many hats of a given size should be laid in stock. These two size should be laid in stock. with a variable head size, because only one size need be manufactured or put in stock.

Again, from the manufacturer's point of and that the broader features of the ir view, a different set of patterns is required tion may be carried out in other ways. for each hat of a given size; with this invention, one pattern will suffice, whereby the

20 lowered.

wearer, he can always make his hat to fit exactly the way he wants it to fit; he can make it fit tightly to prevent its blowing off; 25 in case of stretching or shrinkage, suitable adjustment may be made to compensate for of the adjusting cord; Fig. 10 is a side view such changes.

The broad idea of headgear with adjustable head sizes is not a new one; I have my-30 self taken out two patents, No. 1,333,708, granted March 16, 1920, and No. 1,337,397, granted April 20, 1920, on caps with ad-

justable head sizes.

According to the present invention, the Fig. 19 shows a modification of the sweat 90 shat or cap is provided with a plurality of band; and Fig. 20 is a diagrammatic top permanently formed pleats, which extend from the inner part of the hat or cap downis known as accordion pleats, and are formed in the hat or cap in suitable apparatus, such

In the preferred form of the invention.

Means engageable with the hat on oppo-site sides of the pleats are provided for holding the pleats in any desired state of state of expansion or contraction, an adjustcontraction, or expansion, according to the ing strap 8 is used; this strap engages with

This invention is an adjustable hat, that vention, a strap is used which engages with the hat through two slots and is then bent around the pleats; the ends of the strap are adjustably secured together. In another 60 form of the invention, a band, preferably the hat band itself, is used, which engages with the hat by being sewed thereto as usual; the two ends of the hat band are

adjustably secured together.

The invention will be described more specifically by reference to the accompanying problems are practically solved by a hat drawings, showing several ways of carrying it out. It should be understood, however, that these drawings are purely illustrative, 70 and that the broader features of the inven-

Referring now to these drawings:

Fig. 1 is a side view of a hat according manufacturing cost is very appreciably to this invention; Fig. 2 is a view of the hat 75 from below; Fig. 3 is a view of an orna-From the point of view of the individual mental device as applied; Fig. 4 shows a modified form of adjusting strap; Fig. 5 is a section on the line 5-5 of Fig. 2; Figs. 6, 7, 8 and 9 are detached views showing 80 several ways of varying the effective length of a modified form of hat; Fig. 11 is a similar view, with the parts in different positions; Figs. 12, 13, 14, 15 and 16 show vari- 85 ous means for adjustably securing the ends of the adjusting straps together; Figs. 17 and 18 are front and side views, respectively, showing the invention as applied to a cap

wardly and outwardly to the outer edge of reference characters will be used to indicate the brim. These pleats are preferably what similar parts. The hat comprises a crown is known as accordion pleats, and are formed 5 and a brim 6; starting in the crown and extending downwardly and outwardly in as appropriately shaped dies, with heat and pressure, so that the material is very strongly and permanently creased. That part subjected to the pleating may be specially accordion pleats. These pleats 7 gradually treated to aid it in holding the pleated form.

The pleats or corrugations 7, of the nature of accordion pleats. These pleats 7 gradually treated to aid it in holding the pleated form. The pleats are pressed into the hat during the pleats extend from substantially the manufacture by any desired sort of apparamently, through the brim, gradually interesting in size meanwhile.

The pleats are present at the material of the sort of apparamently; 108 to the material of the hat may be specially treated so that it will permanently retain

head size desired. In one form of the in- the crown of the hat through two slots 9

on opposite sides of the pleats 7, and its ends band are adjustably secured together in any are adjustably secured together in any desired manner, such as the well-known ball and socket fasteners, one end of the strap being provided with the socket elements 11 and the other end with the ball element 12. An ornamental device 13, arranged vertically or horizontally, as desired, is carried

by the strap 8.

The sweat band 14 is cut away adjacent the pleats, as shown in Fig. 2; however, the strap 8 is between the pleats and the head of the wearer, so that the edges of the pleats will not be uncomfortable against the head

15 of the wearer.

is attached.

As shown in Fig. 2, another set of pleats 7' may be put in the other side of the hat, and with such pleats another adjusting strap

may or may not be used, as desired.

Fig. 4 shows a modified form of the adjusting strap. The strap, indicated at 8', performs the functions of the strap 8, and has its ends adjustably secured together by

the button 15 and buttonholes 16.

Fig. 5 shows a modification of the sweat band, where this band is creased or pleated in the same manner as are the pleats 7. This pleated part of the sweat band is indicated at 142, and the two sets of pleats fit 30 together, as shown. These two sets of creases may be simultaneously pressed into the sweat band and into the body of the hat. With this construction, as shown in Fig. 5, the slots 9 pass through both the hat and the 35 sweat band, and the strap 8 is between the pleats 7 and 14a, and the head of the wearer. In Fig. 6, the two ends of the strap 8 are

looped, and through the loops is passed a cord 17, on the ends of which are spring clamps 18, whereby the length of the cord 17 may be varied, for varying the effective length of the strap 8. Fig. 7 shows a slightly different device for the same purpose, the cord 17 passing through a hole 19 in the 45 strap and having a spring clamp 21 on both ends. The other end is not shown. Fig. 8 shows still another way of varying the length of the cord 17. The cord passes through a friction slide piece 22, through an 50 eye 23, which is attached to an end of the strap 8 and back to the piece 22 to which it

Fig. 9 shows a further method for varying the effective length of the cord 17. In this modification, the cord is passed through a hole 19 in the member 8 and is then tied to a tubular slide piece 24 through which the cord 17 is threaded with a friction fit, the tended that far, the friction being sufficient to keep it in the of the brim intact. 60 desired position on the cord.

In the modified form of hat shown in Fig. 10, the adjusting strap is the hat band itself, indicated at 25. It of course engages with

desired manner. For example, a buckle 26 may be carried by one end of the band, which adjustably engages with the other end of the band, as shown in Fig. 11. The buckle 26 70 preferably overlies the pleats 7. As indicated in Fig. 11, the hat brim may be turned up or down, as desired. Furthermore, the pleats may be concealed in any manner, as by the ornamental piece 20, attached to the hat so as to 75 permit the expansion and contraction of the pleats underneath it; as shown, the covering piece 20 is attached to the hat at two points, as by the ornamental button 20' and by stitches 20". The covering piece may cover so part or all of the pleats 7, as desired.

Referring to Fig. 19, in order to protect the head of the wearer, the ends of the sweat band 14 overlap; these ends may simply over lap, but preferably one end 14' of the sweat 85 band is formed like a pocket, into and out of which the other end of the band 14 slides

readily.

In order to keep the pleats 7 in proper relative position, so that they will fold and 90 unfold readily, the pleats may be provided with a plurality of registering apertures 30; through these apertures passes a suide element 30' of cloth or metal of sufficient stiffness properly to guide the pleats 7 as 95 they fold and unfold.

Figs. 17 and 18 show the invention as applied to a cap; the plates 7 extend well up the side of the cap, but not as far into the crown as with the hat. Adjusting straps 27 ex- 100 tend from opposite sides of the cap toward each other, and have their ends adjustably secured together in any desired manner.

Figs. 12-16, inclusive, show various ways for adjustably securing together the ends of 105 the strap 8, the band 25, or the straps 27, as

the case may be.

In Fig. 12, one strap end has a hook 28 adapted to hook over the elements 29 on the other end of the strap; in Figs. 13 and 14, 110 one strap end carries an apertured element 31 into which the corrugated spring element 32 carried by the other strap end, engages. The element 32 is of spring steel bent so that it tends to spring outwardly. In Fig. 115 15, the hook 28 engages with the buttonholes 33, and in Fig. 16, with eyelets 34.

The hat may have any desired number of

sets of pleats 7; four sets are diagrammatically indicated in Fig. 20. While the pleats 120 preferably extend all the way to the edge of the brim, they may, if desired, be not extended that far, thus leaving the outer edge

This disclosure is only illustrative, and 125 accordingly it should be understood that the invention is not limited to the specific details here shown. Instead of a plurality of the hat on opposite sides of the pleats by pleats, a single pleat could be used, and being sewed thereto. The ends of the hat claims are to be interpreted accordingly. pleats, a single pleat could be used, and the

I claim as my invention:

1. An adjustable hat of generally conventional design, having a few closely grouped, pleats in one side thereof, the pleats beginning in the crown of the hat and extending downwardly and outwardly into the brim of the hat the rest of the hat having the usual smooth outer surface, the pleats gradually widening toward the lower or brim end thereof, means engageable with the hat on opposite sides of the pleats for holding the pleats in various positions for varying the head size of the hat, and a covering member for concealing the pleats.

for concealing the pleats.

2. An adjustable hat of generally conventional design, one side of the hat having a few closely grouped, pleats therein, while the rest of the hat has the usual smooth outer surface, the pleats beginning in the crown of the hat and extending downwardly and outwardly into the brim of the hat, and means for adjustably holding the pleats in an ex-

panded or contracted state for varying the head size of the hat.

3. An adjustable hat of generally conventional design, having a few closely grouped, pleats in one side thereof, the rest of the hat having the usual smooth exterior surface, a hat band, means for adjustably securing the ends of the hat band together for variably positioning the pleats for varying the head size of the hat and a covering member for concealing the pleats.

4. An adjustable hat of generally conventional design, having pleats extending from the crown downwardly and outwardly to the edge of the brim the rest of the hat having the usual smooth outer surface, a hat band, and means for adjustably securing the ends of the hat band together for variably positioning the pleats for varying the head size of the hat.

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