April 19, 1932. H. W. OSBORN 1,854,860

HAT SIZE MEASURING DEVICE

Filed May 10, 1930

FIG. 1.

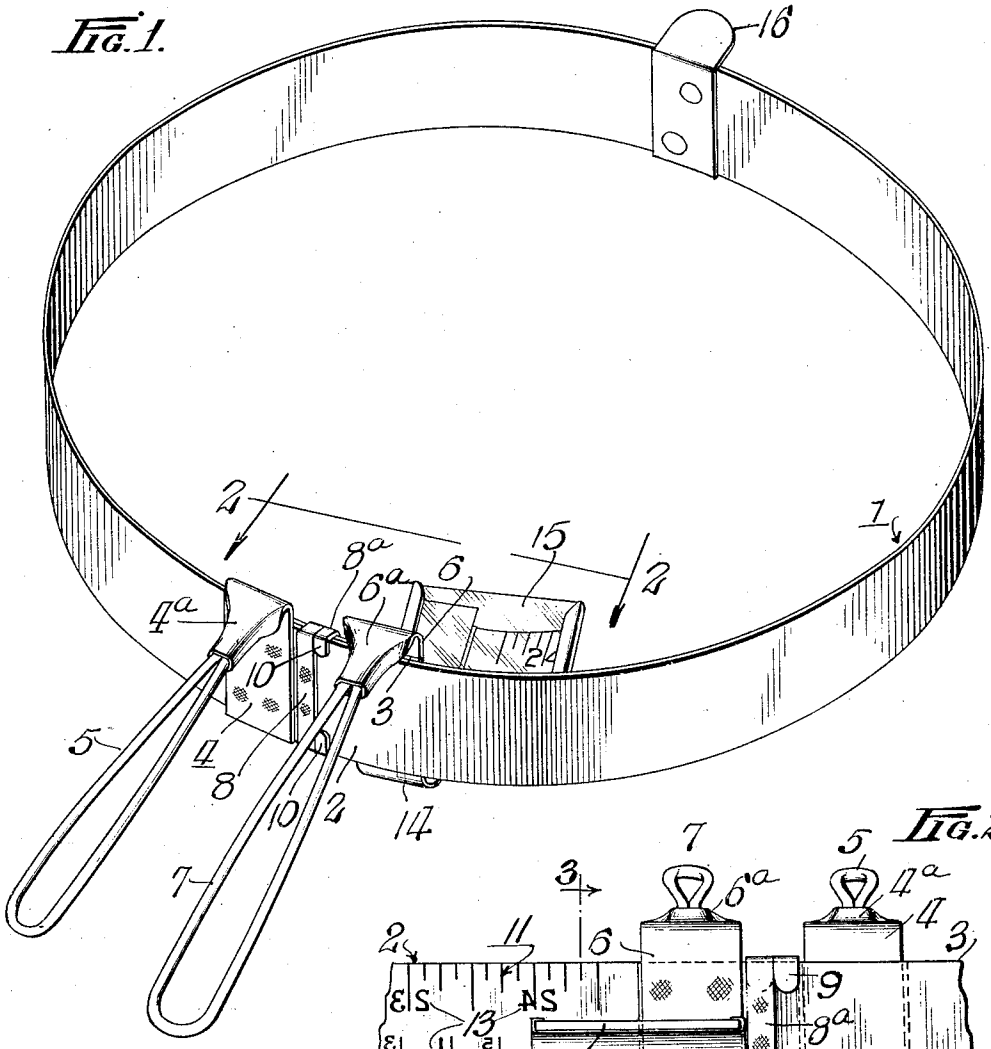
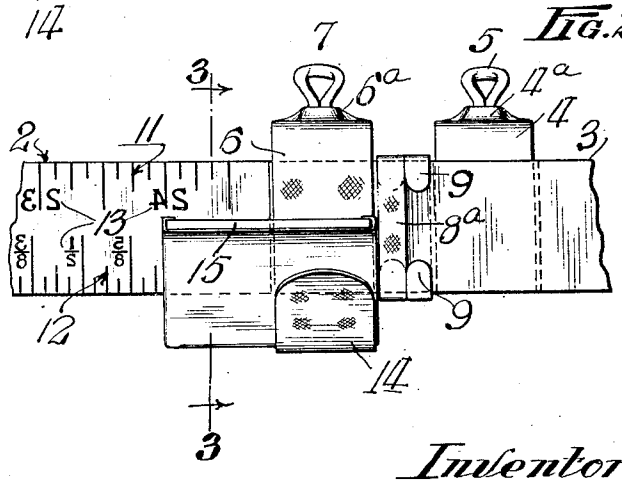


FIG. 2.



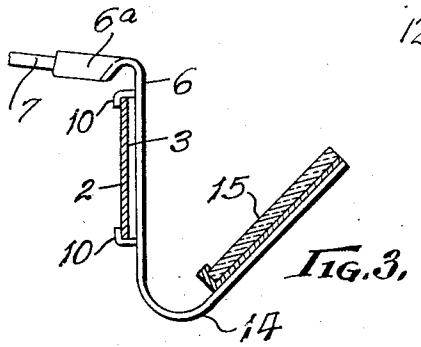


FIG. 3.

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Patented Apr. 19, 1932 1,854,860

UNITED STATES PATENT OFFICE

HARRY W. OSBORN, OF EVANSTON, ILLINOIS, ASSIGNOR TO OSBORN BROTHERS, OF CHICAGO, ILLINOIS, A COPARTNERSHIP COMPOSED OF CHARLES L. OSBORN AND HARRY W. OSBORN

HAT SIZE MEASURING DEVICE

Application filed May 10, 1930. Serial No. 451,221.

This invention relates to improvements in hat size measuring devices and it consists of the matters hereinafter described and more particularly pointed out in the appended claims.

The primary object of the invention is to provide a simple and practical device for measuring hats to determine the head size thereof for subsequent marking or labeling of the hat with the proper measured size.

Another object of the invention is to provide a device of this kind in the form of an annular band which may be readily contracted for easy insertion in a hat and will thereafter expand under its own inherent action to fit within the hat and will visually disclose the size of the hat, whether the same be for a man or woman.

A further object of the invention is to provide a device of this kind which is provided at its overlapping ends with handles for contracting the same and with a finger substantially opposite said ends to coact with the handles in preventing the insertion of the device into the hat to be measured in any manner other than the intended manner.

These objects of the invention as well as others, together with the many advantages thereof will more fully appear as I proceed with my specification.

In the drawings:—

Fig. 1 is a perspective view of a hat size measuring device embodying my invention.

Fig. 2 is a fragmentary elevational view of a part of the inside of the device as viewed in the direction of the arrows 2—2 of Fig. 1.

Fig. 3 is a transverse vertical detail sectional view through the device as taken on the line 3—3 of Fig. 2.

Referring now in detail to that embodiment of the invention illustrated in the drawings, 1 indicates as a whole a normally expansible substantially annular, edgewise disposed, metallic band having one end 2 overlapping the out side of the other or inner end 3. Secured to the outside of the extremity of the outer end 2 is a bracket 4 including a laterally extending socket 4^a in which a handle 5 is secured. Secured to the inside of the extremity of the inner end 3 of the band is a bracket 6 somewhat similar to the bracket 4 in that it includes a laterally extending socket 6^a in which a handle 7 is secured, both handles preferably being made of wire bent into suitable form. On each end of the band adjacent the brackets 4 and 6 thereon is a clip 8 and 8^a respectively, with each clip having end portions 9 and 10 respectively bent over upon the other band end to hold said ends in guided relation in the contraction and expansion of the band.

On the inner face of the band end 2 are top and bottom sets of calibrations 11 and 12 respectively, the size indicating numerals 13 of which are shown in reverse. In this instance the top set of calibrations represents in inches the size for women's hats and the bottom set of calibrations represents the standard eighth size divisions for men's hats.

The bottom end of the bracket 3 extends inwardly of the band and then upwardly at an angle to provide a support 14 for a reflecting device 15 in the form of a mirror in which may be correctly visualized the calibrations mentioned, as the edge of the bracket 6 comes into line therewith in the manner of an indicator.

Diametrically opposite the brackets 4 and 6 I provide a finger 16 that projects laterally over the top edge of the band to act as a support for that side of the device substantially diametrically opposite the brackets mentioned.

In measuring a hat to determine its size, the hat is placed crown down. The two handles 5 and 7 are grasped and then moved away from each other to contract the band and reduce its diameter to that which permits the insertion of the band in the hat, with the finger 16 engaging the brim of the hat on one side and with the sockets 4^a and 6^a of the brackets 4 and 6 engaging the brim of the hat on the other side. The handles are then released and the band will expand under its own inherent tendency to fit within the crown of the hat at the brim. By looking into the reflector, the size of the hat is shown by the position the associated edge of the bracket 6 assumes with respect to the calibrations 11 and 12. To remove the device

the band is slightly contracted to reduce the diameter permitting its easy withdrawal from the hat being measured.

By means of the device described, hats, whether they be for men or women, may be quickly and accurately measured for size.

It is also apparent that by means of the finger 16 described, the device cannot be inserted so far into a hat or at such an angle to show false sizes and therefore the device may be more readily used for its intended purpose.

While in describing the invention, I have referred in detail to the form, and arrangement of the parts thereof, the same is to be considered as illustrative only, so that I do not wish to be limited thereto except as may be specifically set forth in the appended claims.

I claim as my invention:—

1. A device of the kind described embodying therein a normally expansible annular band having overlapping ends, means on said band ends for guiding them in their relative movement during the contraction and expansion of the band, there being calibrations on one band end coacting with an indicating part on the other band end, a handle member associated with each of said ends for contracting the band, and means providing a laterally extending finger on said band substantially diametrically opposite the ends thereof and adapted to coact with the handles in supporting the band in operative position within the hat being measured.

2. A device of the kind described embodying therein a normally expansible annular band having overlapping ends, means on said band ends for guiding them in their relative movement during the contraction and expansion of the band, there being calibrations on the inside of one band end coacting with an indicating part on the other band end, a reflecting device mounted on and movable with said other band end and positioned within the band to present said calibrations to view, a handle member associated with each of said ends for contracting the band and means providing a laterally extending finger on said band substantially diametrically opposite the ends thereof and adapted to coact with the handles in supporting the band in operative position within the hat being measured.

3. A device of the kind described embodying therein a normally expansible annular band having overlapping ends, means on each band end and engaging the other band end for guiding them in their relative movement during the contraction and expansion of the band, there being calibrations on one band end coacting with an indicating part on the other band end, a bracket on each band end including a laterally extending socket, a handle fixed in each socket for contracting the band, and means providing a laterally extending finger on the band substantially diametrically opposite the ends thereof and adapted to coact with the sockets of said brackets in supporting the band in operative position within the hat being measured.

In testimony whereof, I have hereunto set my hand, this 7th day of May, 1930.

HARRY W. OSBORN.