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H. HERSTEIN.

HAT BRIM SIZING AND PARING DEVICE.

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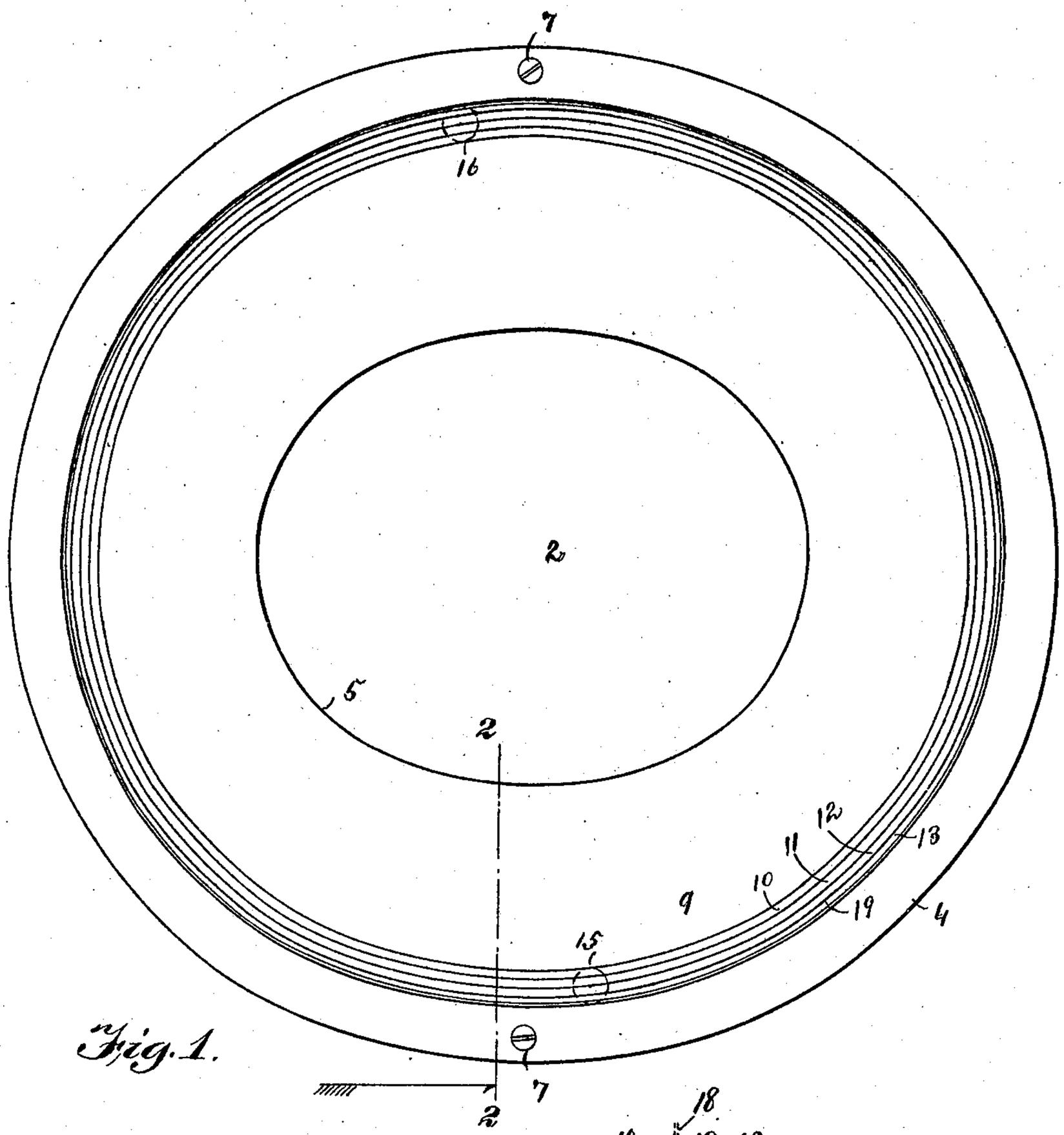

Fig. 1.

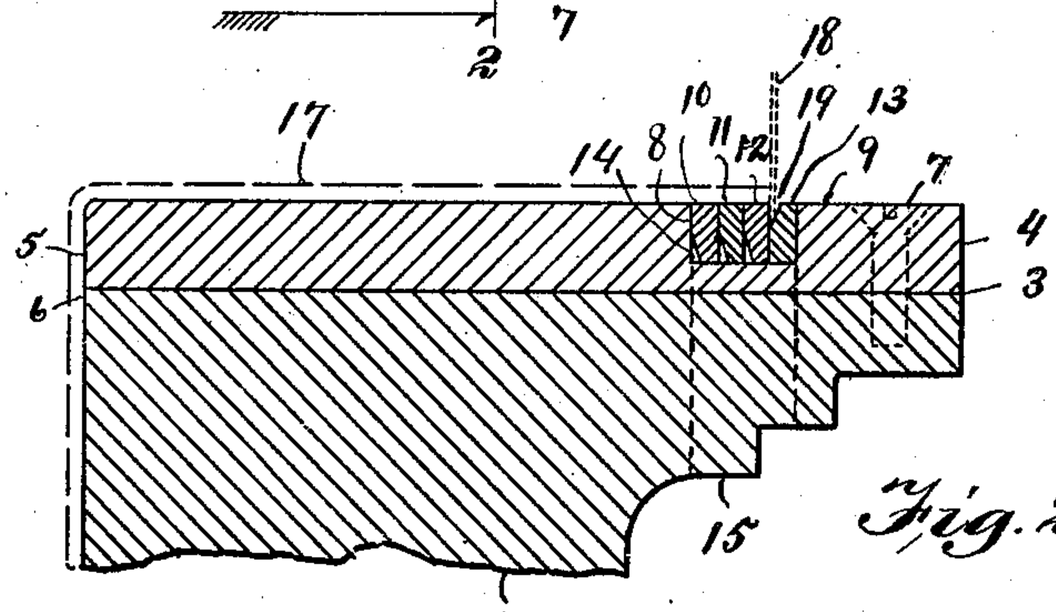

Fig. 2.

WITNESSES

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HAT-BRIM SIZING AND PARING DEVICE.

No. 847,409. Specification of Letters Patent. Patented March 19, 1907.

Application filed June 18, 1906. Serial No. 322,129.

To all whom it may concern:

Be it known that I, HENRY HERSTEIN, a citizen of the United States, residing in the borough of Brooklyn, city of New York, county and State of New York, have invented a new and useful Improvement in Hat-Brim Sizing and Paring Devices, of which the following is a specification.

This invention relates to support for forming hats into various shapes, and concerns itself especially with the construction of a support which has an adjustable groove or guide for sizing and paring the brim of hats.

In manufacturing felt hats it is necessary before curling the brim of the hat to have the brim of the hat a proper size and shape in order to give the brim the required curl. Heretofore it has been the custom in sizing and paring the brims of hats before curling to rely on the hand and eye of the operator to do this accurately. It is necessary, therefore, to have expert operators who have had long experience and training in sizing and paring the brims of hats to perform this operation, which makes the cost of manufacture very expensive and the operation is very laborious.

To overcome the many difficulties and decrease the amount of labor in sizing and paring the brims of hats before curling and to do rapid and accurate work is the object of this invention, and I overcome these difficulties by the construction of a support having a guide or groove in which a series of guide-strips are inserted for changing the guide or groove to various sizes, as clearly shown in Figures 1 and 2 of the drawing.

One of the objects of this invention is to provide simple and effective means whereby the brims of hats can be sized and pared to the various sizes required before curling with greater celerity and accuracy than can be done by the present method, thereby saving time and cost of labor.

Another object of my invention is to provide means for sizing and paring the brims of hats after the brim has been formed and before curling while the hat is in the mold, thereby saving time and labor and the number of operations in sizing and paring the brims of hats before curling.

While I will hereinafter show and describe a preferred embodiment of my invention, I do not wish to confine myself to the exact construction shown, as certain minor changes may be made without departing from the true intent and scope of my invention.

In the various figures of the accompanying drawing similar reference characters are employed to denote similar parts.

In the drawings forming part of this specification, Fig. 1 is a plan. Fig. 2 is an enlarged sectional view through line 2 2 of Fig. 1, showing the guide-strips and in dotted lines the position of the paring-knife.

The support constructed according to this invention comprises a body 1, having a chamber 2 for sizing and forming the cap or body of the hat. Mounted on the upper face 3 of the body 1 is a flange-plate 4, having an aperture 5 corresponding in size with the chamber 2 at the point 6. The flange-plate 4 is secured to the body 1 by means of the screws 7 or any other suitable means. The guide or groove 8, formed on the top face 9 of the flange-plate 4, is made to the required form and shape to which the brims are to be pared. Mounted in the guide or groove 8 are guide-strips 10, 11, 12, and 13, the upper faces of which are even with the upper face 9 of the flange-plate 4. The guide-strips 10, 11, 12, and 13 have one side 14 thereof angled in order to form a guide or groove in conjunction with the side of one of the other guide-strips or the side of the guide or groove 8 for sizing and paring the brim. The two apertures 15 and 16, situated on the sides of the body 1 and leading into the guide or groove 8, are adapted to insert a member for the removal of the guide-strips 10, 11, 12, and 13 when changing the sizes of the guides or grooves to the various sizes required. A section of the brim 17 being sized and pared is shown in dotted lines in Fig. 2. The position of a section of the paring-knife 18 is shown in dotted lines, the point of the knife being inserted in the guide or groove 19, formed by the angled side 14 of the guide-strip 13 and the side of the guide-strip 12.

While I have described the adjustable means for sizing and paring the brims of hats formed on a flange-plate which is secured to the body of the support, the same means can be formed and constructed on the body of the support.

In operation the sizing and paring the brims of hats before curling is as follows: The guide or groove having been adjusted to the required size by inverting the guide-strip so that the angled side will be upward

and the brim having been formed on the face 9 of the flange-plate 4, the operator inserts the point of the paring-knife through the brim of the hat into the guide or groove 19 and draws the knife around the guide or groove 19, thereby severing all that part of the brim extending beyond the guide or groove 19.

It is obvious that a support constructed with a guide or groove having adjustable strips inserted therein is useful, economical, and a labor-saving device by which the brims of hats can be uniformly and accurately sized and pared.

Having thus described my invention, I claim—

1. In a support for sizing and paring the brims of hats, the combination of a body, a flange-plate mounted thereon, a guide or groove formed on said flange-plate, and adjustable means mounted in said guide or groove for guiding a paring-knife while paring the brims of hats.

2. In a support for sizing and paring the brims of hats, the combination of a body, a flange-plate secured to said body, a guide or groove formed on said flange-plate, guide-strips mounted in said guide or groove adapted to guide a paring-knife while paring and sizing the brims of hats.

3. In a support for sizing and paring the brims of hats, the combination of a body, a flange-plate mounted on said body, a guide or groove formed on the upper face of said flange-plate, and adjustable guide-strips mounted in said guide or groove adapted to be adjusted to various diameters from the center of the block or mold.

4. In a support for sizing and paring the brims of hats, the combination of a body, a flange-plate mounted on said body, a guide or groove formed on said flange-plate, and adjustable means mounted in said guide or groove adapted to guide a paring-knife while paring the brims of hats.

5. In a support for sizing and paring the brims of hats, the combination of a body, a groove or guide formed around the upper face of said body, guide-strips mounted in said groove adapted to guide a paring-knife while paring the brims of hats.

6. In a support for paring and sizing the brims of hats, the combination of a body part, a guide or groove formed on said body part, and means for forming a series of guides or grooves mounted in said guide or groove.

7. In a support for sizing and paring the brims of hats, the combination of a body part, a flange-plate mounted on said body part, a guide or groove formed on the upper face of said flange-plate, adjustable guide-strips having one side angled mounted in said groove, said guide-strips being adapted to form a series of grooves in said guide or groove.

8. In a support for sizing and paring the brims of hats, the combination of a body part, a guide or groove formed on the upper face of said body part, a plurality of guide-strips having one side angled mounted in said guide or groove, adapted to guide a paring-knife while sizing and paring the brims of hats.

HENRY HERSTEIN.

Witnesses:
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LEO E. OSTRO.