S. MICKELSON.

HAIR CUTTING GAGE.

APPLICATION FILED SEPT. 4, 1913.

1,091,372. Patented Mar 24 1914

Fig. 6.

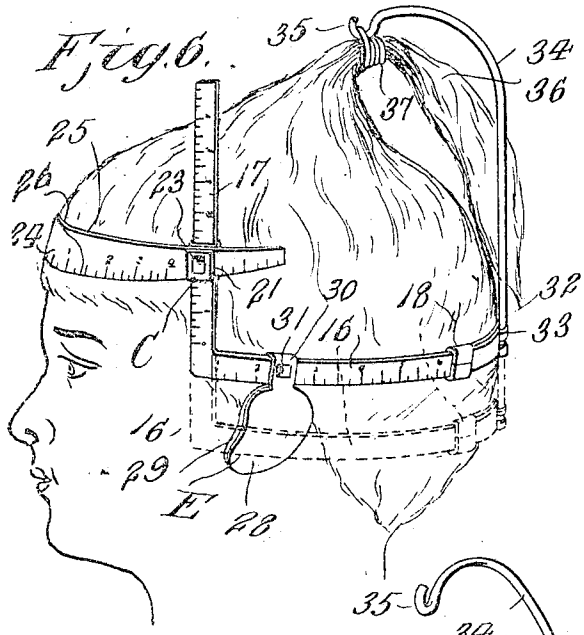



Fig. 4.

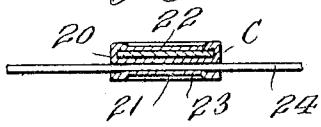



Fig. 5.

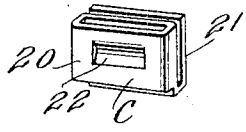



Fig. 3.




Fig. 1.







Fig. 2.

Witnesses

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# UNITED STATES PATENT OFFICE.

SAMUEL MICKELSON, OF WASHINGTON, DISTRICT OF COLUMBIA.

## HAIR-CUTTING GAGE.

1,091,372. Specification of Letters Patent. Patented Mar. 24, 1914.

Application filed September 4, 1913. Serial No. 788,136.

*To all whom it may concern:*

Be it known that I, SAMUEL MICKELSON, a subject of the Emperor of Russia, residing at Washington, in the District of Columbia, have invented new and useful Improvements in Hair-Cutting Gages, of which the following is a specification.

This invention relates to an improved gage to assist in the cutting of children's hair, and it has for its prime object to produce a simple and inexpensive device to assist the mother, or a person not specially skilled in the art of cutting hair, in cutting the hair of children in a true and accurate manner and without danger of disfiguring by false movement of the shears.

A further object of the invention is to produce a simple and efficient gage which may be readily fitted to the heads of children of various sizes and which may be readily adjusted for "long" and "short" hair cuts.

A further object of the invention is to produce a simple and efficient gage device including a front gage bar which will be reversely supported, one edge of the same being straight and the other arcuate, thus enabling the bangs to be cut straight or in arcuate form across the forehead.

A further object of the invention is to provide a device of the class described with ear guards, intended to be used specially when short hair cuts are given for the purpose of protecting the ears of the child from contact with the shears.

A further object of the invention is to produce a gage device of the class described having a supporting member which may be utilized for the purpose of supporting a top lock of the hair to separate it from that portion of the hair which is to be trimmed, thus preserving a lock of extra long hair for the purpose of ornamenting the same by tying a ribbon bow on said lock.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claims.

In the accompanying drawing has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the claims may be resorted to when desired.

In the drawing,—Figure 1 is a perspective view of the improved gage device. Fig. 2 is a sectional detail view taken on the line 2—2 in Fig. 1. Fig. 3 is a rear elevation showing a portion of one of the bands or members of the gage. Fig. 4 is a sectional detail view taken on the line 4—4 in Fig. 1. Fig. 5 is a perspective detail view of one of the friction clamps. Fig. 6 is a perspective view showing the gage applied in position on the head of a child.

Corresponding parts in the several figures are denoted by like characters of reference.

The body of the improved gage includes in its construction two bands or ribbons 15, 16, said bands being preferably formed of narrow strips of resilient sheet metal, and each provided at its front end with an upwardly extending arm or bracket 17. The bands 15, 16 are each provided at the rear end thereof with a sleeve 18 encircling the mating band and serving to establish a slidable connection therebetween. Each band is also provided with an upstruck tongue 19 frictionally engaging the mating band, and enabling the two bands to be frictionally retained in adjusted position without necessity of using separate clamping or fastening means, although it will be permissible to employ such separate fastening means within the scope of the invention.

Mounted slidably on each of the upwardly extending arms 17 is a friction clamp C, each of said clamps comprising a flat sleeve 20 engaging the arm or bracket 17 and having a flat hook or keeper 21 on its front side. The sleeve 20 is provided with a struckup friction tongue 22 to frictionally engage the arm 17 on which it is mounted, and the hook 21 of each clamp is provided with a similar struckup tongue 23 to engage the end of a front gage bar 24. Said front gage bar consists of a strip of sheet metal having a straight edge 25 and a curved or arcuate edge 26 either of which may be placed uppermost for the purpose of guiding the trimming of the bangs. The front gage bar is graduated in inches and fractions thereof in two directions from a centrally disposed zero mark, shown at 27. The arms or brackets 17 are similarly graduated upwardly from their lower extremities, and the bands 15, 16 are also graduated, the graduations reading rearwardly from the

ends thereof. I would have it understood, however, that different systems of measurement may be employed and that the graduations may be arranged to read in any preferred manner, it being likewise understood that the dimensions of the different parts may be varied to suit any requirements.

Ear flaps E are provided, each consisting of a suitably shaped shell 28 of sheet metal having a lining 29 of leather, textile or other suitable material. Each ear flap is, moreover, provided with a hook member 30, whereby it may be hung or supported on one of the bands or straps 15 or 16, and such hook member being provided with a struck-up friction tongue 31 to prevent its accidental displacement.

In cutting children's hair it is frequently desired to leave a top lock or scalp lock of extra length in order that a ribbon bow or similar ornament may be attached. For the purpose of holding the top lock in an out-of-the-way position so as not to interfere with the use of the shears a holder is provided consisting of a bracket 32 formed of a piece of wire or other suitable material, said bracket being adjustably mounted at its lower end in keepers 33 struck up from one of the bands 15 or 16. The upper end of the bracket is formed with an overhanging yoke 34 terminating in a hook 35 with which the top lock shown at 36 may be connected by fastening means such as a rubber band shown at 37. The top lock will thus be supported in an out-of-the-way position and will not interfere with the proper trimming of the back hair and the bangs.

From the foregoing description, taken in connection with the drawing hereto annexed, the operation and advantages of this invention will be readily understood.

The slidably connected bands 15 and 16 may be readily fitted to heads greatly varying in size, and when said bands are adjusted in position, the upwardly extending arms or brackets 17 may be spaced any desired distance apart which may be accurately gaged by placing in position the front bar 24. The latter, owing to the presence of the indicating scale, may be accurately centered, and by inverting said front bar a straight or an arcuate edge may be presented as a trimming gage. It will also be readily understood that a plurality of front bars may be supplied having trimming edges of various shapes. When a long hair cut is desired, the ear guards 28 may sometimes be dispensed with, as the ears will be protected by the bands 15, 16, but when a short hair cut is desired the ear guards will be found extremely useful in protecting the ears from contact with the shears and avoiding the unpleasant tickling sensations and resultant nervousness caused thereby, as well as danger of actually injuring the ears with the shears. The ear flaps obviously may be adjusted to proper position lengthwise of the bands 15 and 16 and may be quickly applied or detached, as may be desired.

The improved device is extremely simple in construction and operation, and it may be usefully employed not only by professional barbers but in the home as well, being particularly intended to assist persons not particularly skilled in hair trimming to perform this work in an acceptable manner and with very slight difficulty.

Having thus described the invention, what is claimed as new, is:—

1. A device of the character described comprising a head engaging resilient gage member including two arcuate bands each having one end slidably connected with the other member and each having an upwardly extending arm at its other end, in combination with supports slidably engaging the upwardly extending arms, and a flexible front bar supported by said supports.

2. A device of the character described comprising a head engaging resilient gage member including two arcuate bands each having one end slidably connected with the other member and each having an upwardly extending arm at its other end, in combination with a front bar supported for vertical movement on said upwardly extending arms.

3. In a device of the character described, a head engaging member comprising two slidably connected curved resilient bands, each having an upwardly extending arm, sleeves slidable on said arms, and a front bar supported adjustably by said sleeves.

4. In a device of the class-described, a head engaging member comprising two slidably connected curved resilient bands, each having an upwardly extending arm, sleeves adjustable upon and frictionally engaging said arms, each sleeve being provided with a hook member, and a front bar supported adjustably on said hook members.

5. In a device of the class described, a head engaging member comprising slidably connected curved resilient bands, each having an upwardly extending arm, in combination with a front bar supported adjustably on said arms, said front bar having a straight and an arcuate edge.

6. In a device of the class described, a head engaging gage member, in combination with ear protectors each having supporting means for engagement, adjustably, with said gage member.

7. A device of the class described comprising a head engaging gage member, in combination with ear protectors having hooks adjustably and frictionally engaging said gage member.

8. In a device of the character described, a head engaging gage member comprising adjustably connected bands, in combination

with ear protectors each consisting of a metallic shell provided with a lining of soft material and having an upwardly extending hook provided with a struckup friction tongue to adjustably engage the gage member.

9. In a hair cutting gage, the combination with a head engaging gage member, of a member connected therewith and extending upwardly therefrom to support a portion of the hair that is not to be cut.

10. In a device of the class described, a head engaging gage member comprising slidably connected bands, one of which is provided with struckup keepers, and a member supported in said keepers and extending from the gage member to support a portion of the hair that is not to be cut.

11. In a device of the class described, a head engaging gage member comprising slidably connected bands and a supporting member connected with one of said bands and comprising a wire bent to form a yoke having a terminal hook.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL MICKELSON.

Witnesses:

WM. BAGGER,

BENNETT S. JONES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."