Nov. 10, 1959 D. P. SEIFERT 2,911,715

HAIR CLIPPER

Filed Nov. 18, 1958

Fig. 1

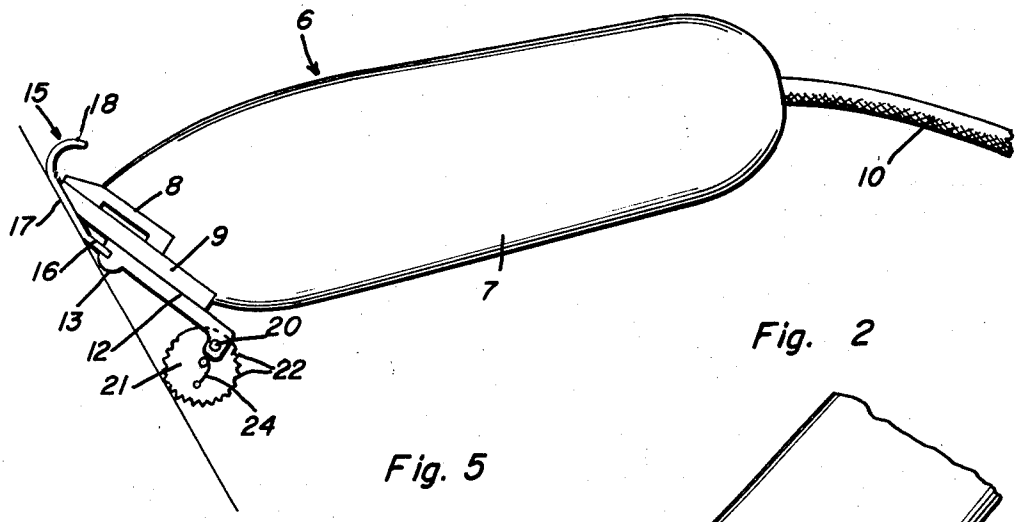


Fig. 2

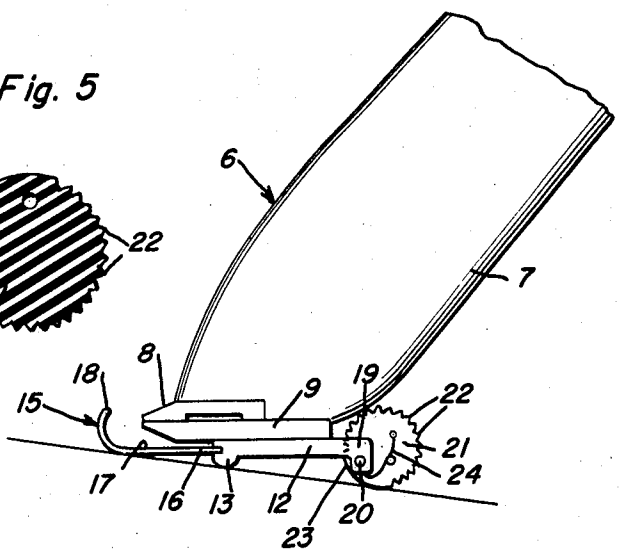


Fig. 5

Fig. 4

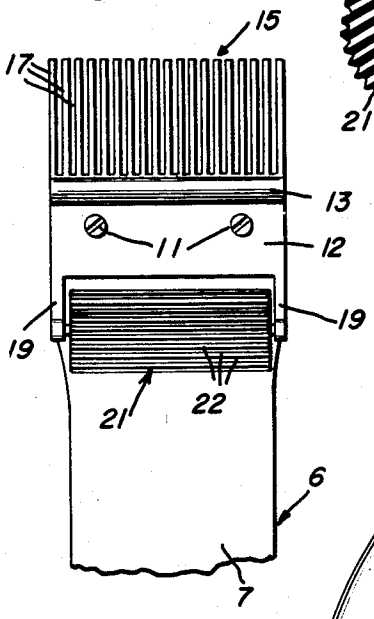
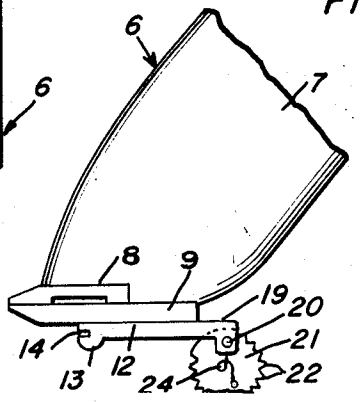


Fig. 3



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HAIR CLIPPER

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6 Claims. (Cl. 30—202)

This invention relates to new and useful improvements in power hair clippers and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character comprising novel automatic fulcruming means for steadily increasing the length of the cut as it progresses whereby a neat, uniform trim may be expeditiously attained without the skill of a professional barber.

Another important object of the present invention is to provide a trimming attachment of the character described which may readily be mounted for use on conventional power hair clippers.

Other objects of the invention are to provide an improved power hair clipper of the aforementioned character which will be comparatively simple in construction, durable, compact, of light weight and which may be manufactured at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a view in side elevation of a hair clipper embodying the present invention, showing the device at the start or beginning of a cut;

Figure 2 is a substantially similar view to Figure 1 but showing the device after the cut has progressed and lengthened;

Figure 3 is a view in side elevation with portions broken away, showing the device with the comb omitted;

Figure 4 is a bottom plan view of the device; and

Figure 5 is a detail view in transverse section through the spacing roller or gauge.

Referring now to the drawing in detail, it will be seen that reference character **6** designates generally an electric power hair clipper. The clipper **6** includes an elongated handle **7** having mounted on one end thereof coacting top and bottom reciprocating and stationary blades **8** and **9**, respectively. The handle **7** houses an electric motor (not shown) which is operatively connected in the usual manner to the reciprocating blade **8**. Reference character **10** designates a conductor cord to this motor.

Secured by screw **11** beneath the stationary bottom blade **9** of the clipper **6** is a plate **12** of plastic or other suitable material. Formed integrally with the front end portion of the plate **12** is a depending, transverse rounded rib providing a fulcrum **13**. The front portion of the plate **12** is further provided with a transversely extending groove or channel **14**. The groove or channel **14** is for the reception of a removable comb **15**. The comb **15** comprises a back **16** which is engaged in the groove **14** of the plate **12**. The comb **15** further comprises forwardly projecting teeth **17** which terminate in upwardly curved free end portions **18** forwardly of the cutting edges of the blades **8** and **9**.

The plate **12** still further includes a pair of rearwardly projecting arms **19**. Pivotally mounted off-center as at

20 between the arms **19** is a vertically swingable roller **21** of rubber or other suitable material. The major portion of the periphery of the roller **21** is longitudinally ribbed or toothed, as indicated at **22**, to provide a traction tread. Adjacent the pivotal mounting **20**, the roller **21** further includes a smooth peripheral portion **23**. This is shown to advantage in Figure 5 of the drawing. Suitable return springs **24** are connected to the ends of the roller **21**.

It is thought that the use or operation of the invention will be readily apparent from a consideration of the foregoing. Briefly, the springs **24** normally yieldingly retain the roller **21** in the position of Figure 1 of the drawing. At the start of the cut the clipper **6** is swung upwardly to the position of Figure 1 and the forward portions of the blades **8** and **9** are pressed close to the neck or head against the tension of the resilient comb **15**. As the cut progresses the roller **21** traveling on and frictionally engaging the neck or head, is caused to swing rearwardly and upwardly to the position of Figure 2 of the drawing against the tension of the springs **24** until the smooth portion **23** of said roller contacts the subject, from which point on said roller drags. As the roller **21** thus swings rearwardly and upwardly the clipper is rocked rearwardly and downwardly on the fulcrum **13** for steadily raising the cutting edges of the blades **8** and **9** thereby progressively increasing the length of the cut. When the clipper is disengaged from the subject to start another cut the springs **24** return the roller **21** to its initial position. When a particularly close or short cut is to be had the comb **15** is removed, as shown in Figure 3 of the drawing.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A hair clipper comprising coacting upper and lower cutting blades, a transverse fulcrum beneath said lower blade, and a vertically swingable gauge roller pivotally mounted off-center on the clipper rearwardly of the fulcrum.

2. A power hair clipper of the character described comprising: a pair of coacting upper and lower cutting blades, a transverse fulcrum mounted beneath said lower blade, a vertically swingable gauge roller pivotally mounted off-center on the clipper rearwardly of said fulcrum, and springs operatively connected to said gauge roller for yieldingly resisting swinging movement thereof in one direction.

3. A hair clipper comprising coacting upper and lower cutting blades, a transverse fulcrum beneath said lower blade, a comb mounted beneath the lower blade forwardly of the fulcrum, and a vertically swingable gauge roller pivotally mounted off-center on the lower portion of the clipper rearwardly of said fulcrum.

4. A hair clipper comprising coacting upper and lower blades, a plate secured beneath said lower blade, a transverse fulcrum on the forward portion of said plate, and a vertically swingable gauge roller pivotally mounted off-center on said plate rearwardly of the fulcrum.

5. A hair clipper comprising coacting upper and lower cutting blades, a plate secured beneath said lower blade, a transverse fulcrum on said plate, a comb on the plate forwardly of the fulcrum, and a vertically swingable gauge roller pivotally mounted off-center on the plate rearwardly of the fulcrum.

6. An electric power clipper of the character described

comprising: an electric motor, a stationary lower cutting blade on one end of the motor, a reciprocating upper cutting blade cooperable with the lower blade and operatively connected to the motor for actuation thereby, a plate secured beneath said lower blade, said plate including on its forward portion a depending, transversely extending rib providing a fulcrum, a comb removably mounted on the plate forwardly of the fulcrum, rear-

wardly extending arms on the plate, a vertically swingable gauge roller pivotally mounted off-center between said arms, and springs operatively connected to said roller for yieldingly resisting swinging movement thereof in one direction and for returning same to inoperative position.

No references cited.