Feb. 28, 1939. B. STREZOFF 2,149,151

MASSAGING VIBRATOR

Filed July 28, 1938

Fig. 1

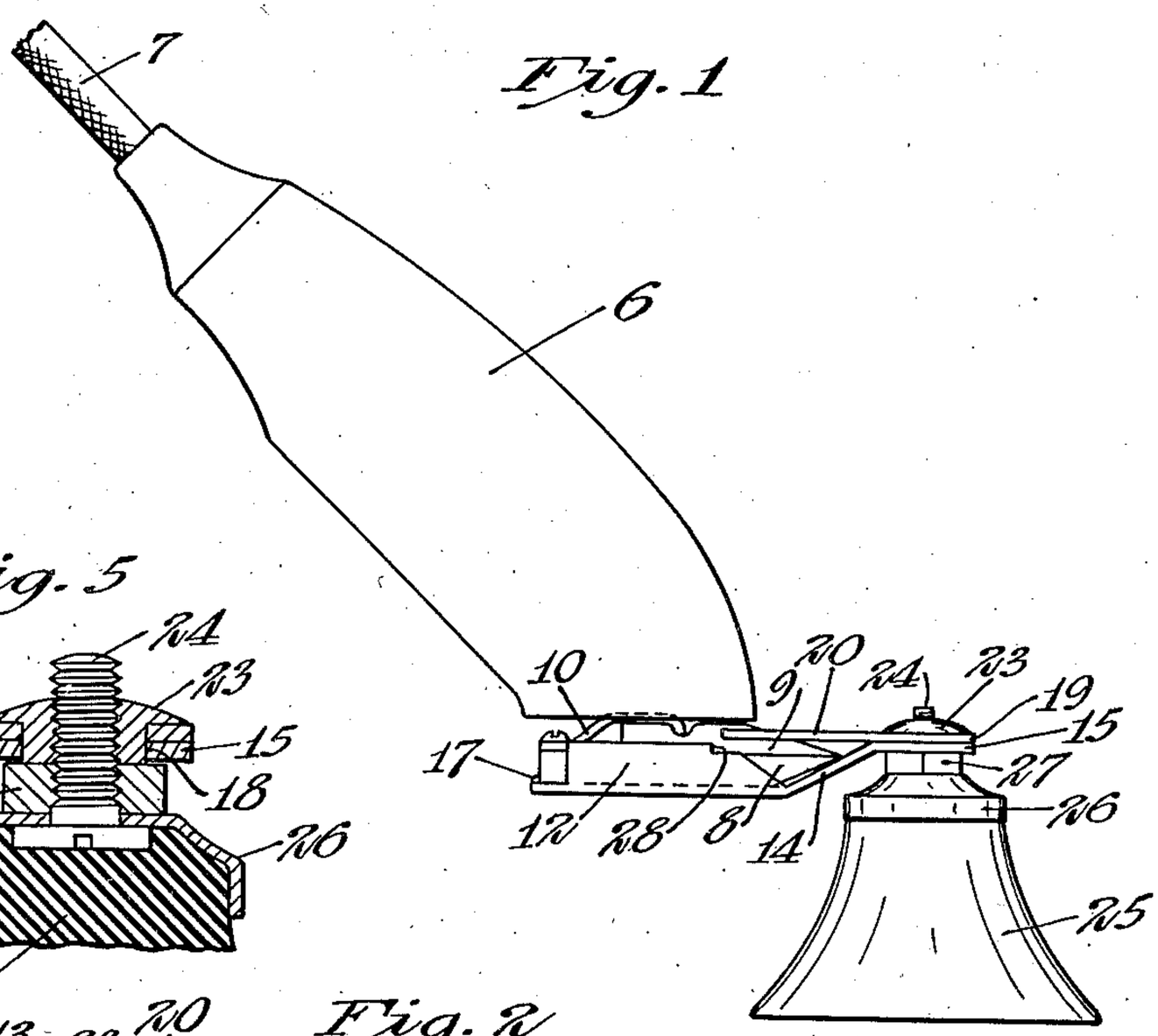


Fig. 5

Fig. 2

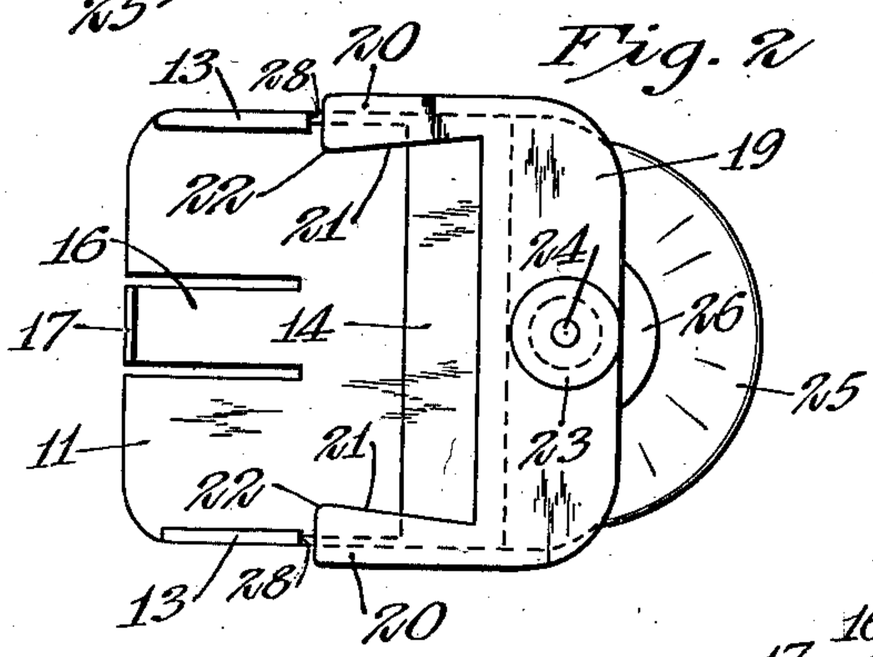


Fig. 3

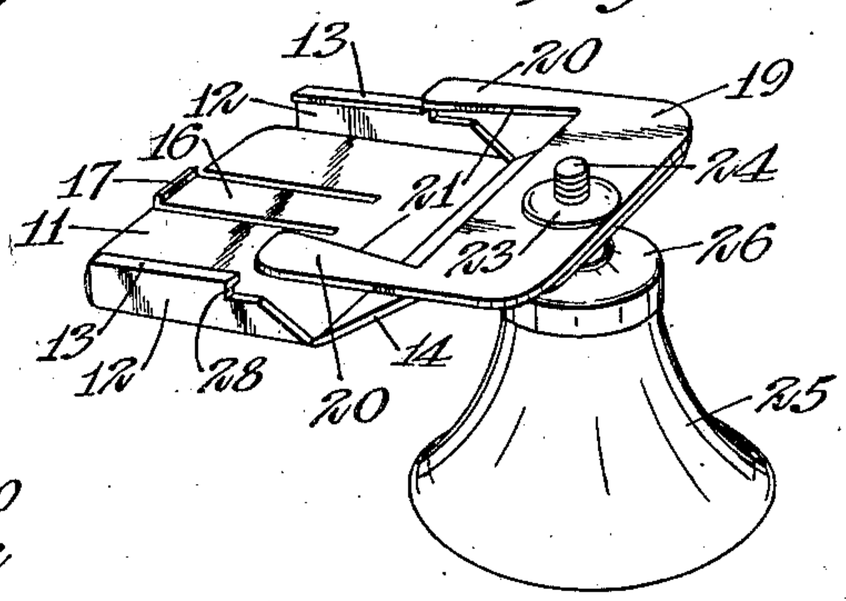
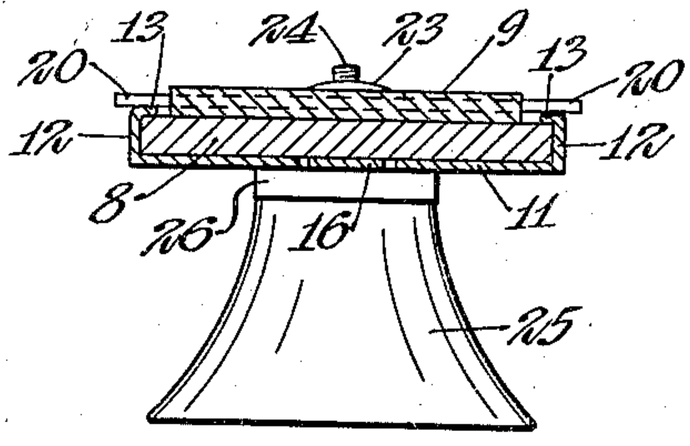


Fig. 4



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2,149,151

MASSAGING VIBRATOR

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4 Claims. (Cl. 128—49)

This invention relates to massaging devices and more particularly to massage attachments which are adapted to be utilized with the well known electric clippers such as are used in barber shops.

Frequently patrons of barber shops will request facial massages and it is the customary practice for barbers to massage the faces of men which have been just shaved. A massage of this kind naturally is not a very heavy one so that it is not necessary to use a very powerful massage device. If the barber desires to use a power operated massage device it is necessary for him to buy a complete massage unit including an electric motor. The motor, of course, is the most expensive part of an implement of this type.

It is, therefore, a general object of my invention to provide a massage device wherein the motive power may be supplied by an electric clipper such as is nearly always found in a barber shop.

Another object of the invention is the provision of a massage attachment for clippers which can be operated by the clipper motor without detaching the cutting blades therefrom.

Still another object of the invention is the provision of a massage attachment for clippers which can be quickly applied and easily removed and which is operated by the movement of one clipper blade relative to the other.

These and other objects and advantages of the invention will more fully appear from the following description made in connection with the accompanying drawing, wherein like reference characters refer to the same or similar parts throughout the views, and, in which:

Fig. 1 is a side elevation of a pair of electric clippers with my invention secured thereto;

Fig. 2 is a plan view of the attachment;

Fig. 3 is a perspective view thereof;

Fig. 4 is a transverse vertical section through my attachment and a pair of clipper blades to which it is secured; and

Fig. 5 is an enlarged fragmentary section through the upper portion of the massage element showing its connection with the remainder of the structure in the massage attachment.

In Fig. 1 there is shown an electric motor 6 which may be of any suitable design and which may be connected by an electrical conductor 7 to a source of electrical energy. Mounted at the lower end of the motor is a pair of clipper blades, the lowermost blade 8 being customarily rigidly secured to the motor casing, and the upper blade 9 being connected to a moving part of said motor and adapted to reciprocate with respect to the lower blade 8. A suitable spring element 10 holds the two blades in sliding contact. The operation of the blades and the blade supporting structure are not indicated in the drawing since any type of reciprocating blade clippers may be utilized and the clipper structure itself is unimportant. The only thing about the clipper blades which need be mentioned is that the lower blade 8, as shown in Fig. 4, is generally wider than the upper reciprocating blade 9.

My attachment comprises a body plate 11 which has upturned side portions 12 and at least a part of the upper edges of said side portions are bent inwardly toward each other, as shown at 13. The sides 12 and their inwardly turned portions 13 are adapted to fit over the ends of the lower stationary clipper blade 8, as shown in Fig. 4, and the body plate 11 is pushed backwardly to substantially enclose the ends and bottom of the stationary lower clipper blade 8. The forward portion of the plate 11 is bent upwardly at an angle as indicated at 14, and the extreme forward edge of the body plate 11 is bent to provide a forward horizontal portion 15. A tongue 16 is cut into the medial portion of the body plate 11 from the rear edge thereof and said tongue has a small upwardly turned catch 17 which is adapted to snap up behind the rear edge of the stationary clipper blade 8 to retain the attachment thereon.

The horizontal forward portion 15 on the body plate 11 is provided with an aperture 18. A massage device operating element 19 is provided with a transverse horizontal forward portion which may more or less coincide with the horizontal forward portion of the body plate 11 and rest thereon in sliding contact therewith, and said operating element 19 has a pair of rearwardly extending arms 20, the inner sides of said arms preferably being slanted as at 21 and the inner rear corners of said arms being rounded as at 22. The arms 20 are adapted to contact the end faces of the upper movable clipper blade 9.

The forward portion of the operating element 19 is provided with an apertured internally threaded bearing element 23 which, as shown in Fig. 5, extends down through the aperture 18 in the forward portion 15 of the body plate 11, and said bearing element 23 is preferably of sufficient height to extend through the body plate portion 15 a distance slightly greater than the thickness of said plate portion, and the element 23 and the aperture 18 are round so that said bearing element can be freely oscillated therein. The

threaded aperture in the bearing element is adapted to receive a small bolt **24** which extends upwardly out of the top of the massage cup **25** and its cap element **26**. A washer or collar **27** on said bolt **24** is adapted to abut against the under side of the bearing element **23** so that when said operating element **19** with its arms **20** is reciprocated by the upper movable clipper blade **9**, the massage element will be similarly actuated and regardless of how tightly the massage element **25** is secured to the bearing element **23** the movement will be free due to the fact that the collar **27** is held slightly away from the horizontal forward body plate portion **15** by said bearing element **23**.

If desired the upturned wall portions **12** on the body plate may be provided with notches **28** in their upper forward corners to prevent any possible striking of the walls **12** by the operating arms **20**.

From the foregoing description it will be seen that I have provided a simply constructed attachment for clippers so that the clipper motor can be utilized for massaging and that my attachment may be quickly and easily secured to an electric clipper and retained thereon by the spring tongue **16** and its catch element **17**. Removal, of course, is accomplished by pulling the catch **17** downwardly and slipping the attachment off the clipper blades.

It will, of course, be understood that various changes may be made in the form, details, arrangement and proportions of the various parts without departing from the scope of my invention.

What is claimed is:

1. An attachment for clippers having relatively movable cutting blades comprising an element detachably securable to one blade of a clipper, a massage device supported by said element for movement relative thereto, and a second element connected to said massage device and to said other clipper blade and movable relative to first element, whereby movement of one of said blades relative to the other will cause movement of said massage device.

2. The structure in claim 1 and said first mentioned element being adapted to be detachably secured to the stationary blade of a clipper and said second mentioned element being adapted to be connected to the movable blade of a clipper.

3. An attachment for clippers wherein one clipper blade reciprocates relative to the other, comprising a body element having means for detachably securing the same to the stationary blade of a clipper, a massage device supported by said body element for movement relative thereto, and an operating arm movable relative to said body and connected to said massage device, said operating arm lying in the path of movement of said movable clipper blade.

4. An attachment for clippers wherein one clipper blade reciprocates relative to the other, comprising a body plate having substantially vertical side walls with inwardly turned upper edges, said body plate being adapted to slip over one of the clipper blades, a spring catch on said body for detachably securing said body to said blade, a massage element supported for movement by said body plate, and an operating element supported for movement on said body plate and connected to said massage element, said operating element including a pair of rearwardly extending arms, said arms being spaced apart and adapted to engage the end faces of said other clipper blade which is relatively movable with respect to the blade to which said body plate is attached.

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