Sept. 19, 1950 G. T. ELLIS 2,523,201

SUCTION ATTACHMENT

Filed May 17, 1946

Fig. 1.

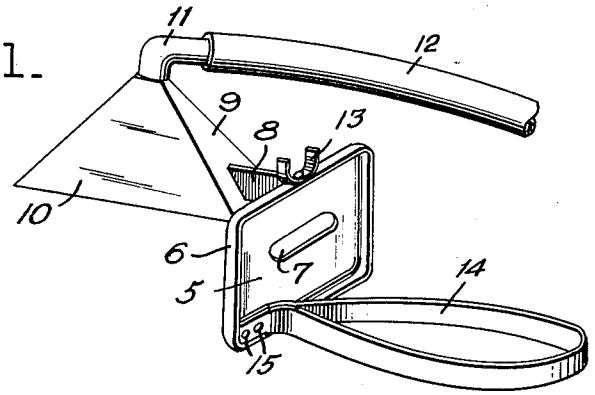


Fig. 2.

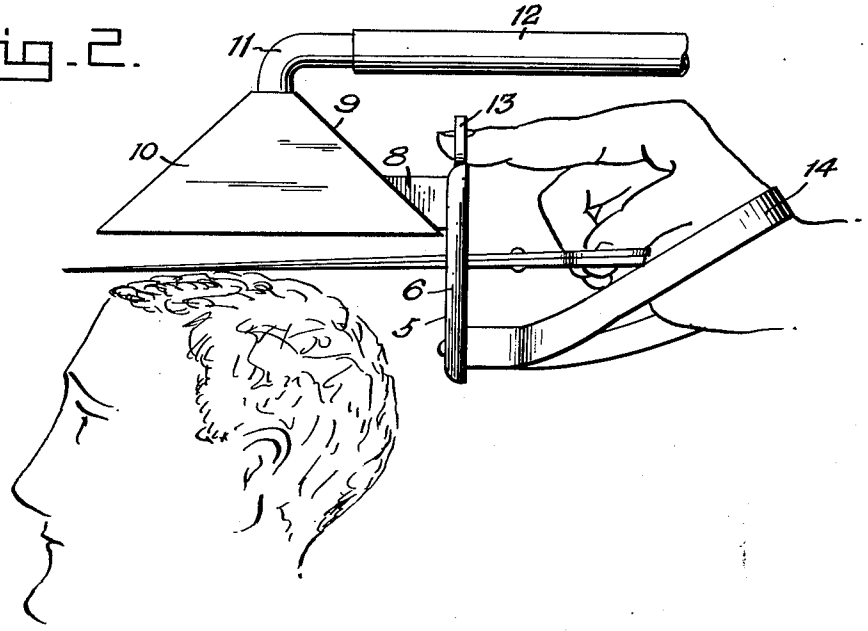
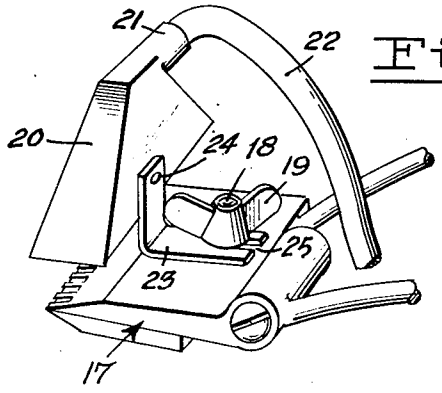


Fig. 3.



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SUCTION ATTACHMENT

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Application May 17, 1946, Serial No. 670,629

3 Claims. (Cl. 30—133)

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This invention relates to improvements in suction attachments, especially adapted for use by barbers, when cutting or combing hair.

An important object of the invention is to provide a light weight suction hood and conduit which can be readily held in the same hand in which scissors or a comb is being used.

Another important object of the invention is to provide a suction attachment, especially adapted for installation on electric or manual hair clippers, for the purpose of removing all loose hair and other foreign matter while the instrument is in use.

A further object of the invention is to provide a suction attachment which can be maintained situated in the proper juxtaposition with respect to a barber's instrument, for the purpose of thoroughly picking up all cut hair and other foreign matter from the patron's head.

These and other objects and advantages of the invention will become apparent to the reader of the following description.

In the drawings:

Figure 1 is a fragmentary perspective view of the attachment;

Figure 2 is a fragmentary side elevational view of the instrument held in a hand; and

Figure 3 is a fragmentary perspective view showing a modified form of the invention and attached to a hair clipper.

Referring to the drawings, it can be seen in Figure 1, that numeral 5 denotes a plate having a backwardly disposed flange 6 at its perimeter and an elongated, longitudinally extending slot 7 at its central portion, through which shears or a comb may be inserted.

Projecting forewardly from the upper portion of the front of the plate 5, is an arm 8 which attaches the lower portion of one endwall 9 of a narrow, downwardly flaring hood 10, this hood having at its upper outlet end, an angularly formed neck 11, which is hollow and over which one end of a suction hose 12 is slipped, this hose or conduit 12 extending to a suction pump or like machine (not shown) for creating a suction in the conduit and hood 10.

A U-shaped fore finger receiving saddle 13 is provided on the upper flanged portion of the plate 5, and a wrist encircling loop 14 of leather or some other suitable material is secured as at 15 to one lower corner of the plate 5.

In the use of this attachment, a barber will place the loop 14 over his wrist, in the manner shown in Figure 2, and then insert his shears through the slot 7 so that the blades extend under

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the hood 10. The shears are gripped with the thumb and second finger, while the forefinger is seated in the saddle 13 and since the shears rest upon the lower edge of the slot 7 they will be well supported and their blades prevented from being accidently tilted downwardly by their weight. It should be noted, however, that the shears may be rocked across the lower edge of the slot as a fulcrum. The strap of loop 14 supports the plate 5 from its lower edge and by moving the forefinger the plate may be tilted or moved vertically and thus assist in holding the shears and the hood in proper relation to a person's head during a hair cutting operation. As the barber operates the shears and cuts hair, the cut hair is sucked up by way of the hood 10 and conduit 12 to a suitable outlet or collection receptacle. It will be observed that the hood is just wide enough to cover the transverse area of the shear blades, so that the suction effect will be directly on the hair that has immediately been cut.

Figure 2 shows the relationship of the hood with respect to the shear blades.

It is to be understood also, that a comb may be inserted through the opening 7 and held in the same manner as the shears and as cut hair, dandruff or any other foreign matter is loosened by the comb, it is sucked away from the growing hair quickly and completely.

Figure 3 shows another adaptation of the invention. Numeral 17 denotes a conventional hand clipper, of the type having blade securing means usually consisting of a bolt or threaded stud 18 on which is a wing nut 19.

The modified attachment consists of a hood 20 of downwardly flaring construction and being narrow in width to cover the cutting area of the blades of the clipper, this hood having a laterally disposed neck 21, from which a suction hose or conduit 22 extends.

A right angle bracket 23 has its upstanding leg secured as at 24 to one side of the hood 20, while the lower horizontal leg of this bracket is slotted as at 25 to receive the threaded stud 18, when the wing nut 19 is loosened. By tightening the nut 19 against the bracket 23, the bracket supports the hood 20 in close spaced relation with respect to the cutting teeth of the clipper, as substantially shown in Figure 3. As hair is cut, the cut hair is sucked upwardly through the hood 20 and conduit 22, to a suitable collection point.

While the foregoing description sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing

from the spirit and scope of the invention as claimed here and after.

Having described the invention what is claimed as new is:

1. A device of the character described comprising a vertically disposed plate formed with a flange about its periphery, said plate being formed with a horizontally extending slot for accommodating shears and upon the lower edge of which the shears are adapted to rest with their blades projecting forwardly from the plate, a looped strap secured to the lower edge portion of said plate and projecting rearwardly therefrom for engaging about a person's hand and supporting the plate, a saddle extending upwardly from the upper edge of said plate in position adapting it to receive the forefinger of a person's hand, an arm extending forwardly from the upper edge portion of said plate under said saddle, a hood projecting forwardly from said arm above said slot and being open at its bottom and provided with a tubular neck rising from its top, and a suction hose connected with said neck.

2. A device of the character described comprising a plate formed with a transverse shears-receiving slot, a loop carried by and extending rearwardly from said plate and in position for engaging about a person's hand, a finger-receiving saddle carried by said plate in position for receiving a person's finger and thereby holding the plate vertical, and a hood carried by said plate and extending forwardly therefrom over the slot and being open at its bottom and having a neck for engagement with a suction tube.

3. A device of the character described comprising a plate formed with a transverse shears-receiving slot, a member extending rearwardly from said plate in position for engaging about a person's hand and supporting the plate, said plate having a seat in position for receiving a person's finger and thereby allowing the plate to be held upright and shifted to various positions, and a hood extending forwardly from said plate and adapted to have a suction hose connected therewith.

GEORGE TRAVIS ELLIS.

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