

F. P. DYER.
HAIR CUTTING MACHINE.
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1,075,908.

Patented Oct. 14, 1913.

Fig. 1.

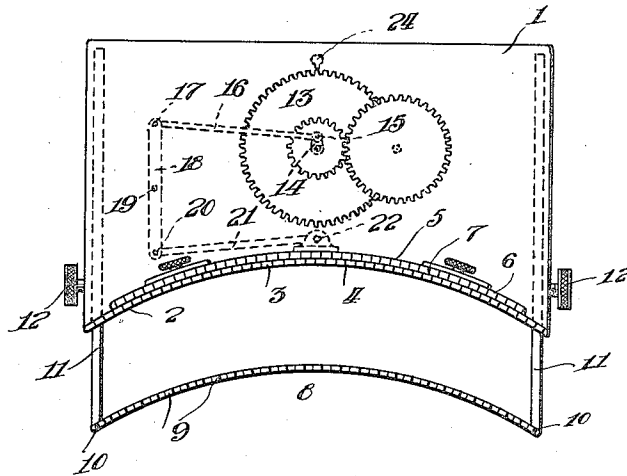
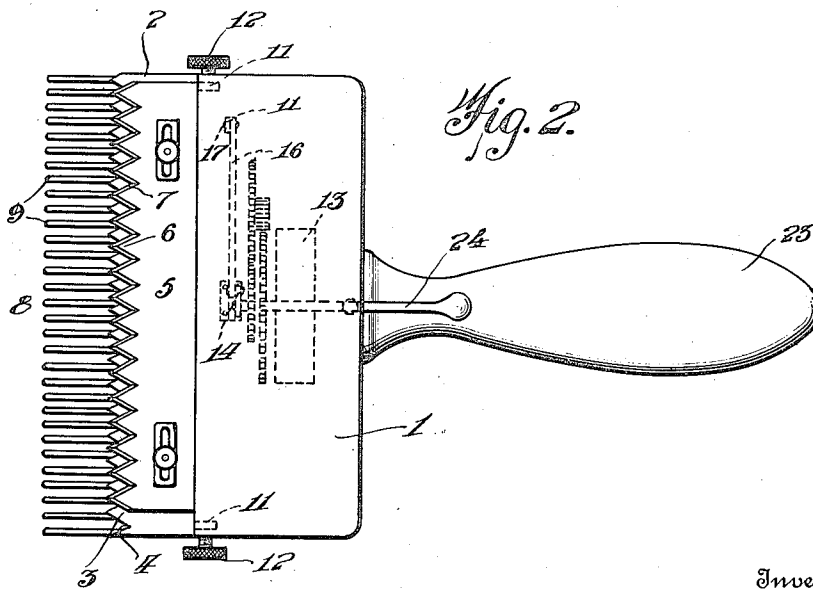


Fig. 2.



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FRANK P. DYER, OF ST. LOUIS, MISSOURI.

HAIR-CUTTING MACHINE.

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To all whom it may concern:

Be it known that I, FRANK P. DYER, a citizen of the United States, residing at city of St. Louis and State of Missouri, have invented new and useful Improvements in Hair-Cutting Machines, of which the following is a specification.

This invention relates to hair cutting machines and has for an object to provide a machine of this character which will include a reciprocating cutter and a stationary cutter, the former being associated with the latter and arranged to co-act therewith to effect the proper cut of the hair.

Another object of the invention is to provide a cutting machine wherein means are employed for maintaining the cutting elements in any desired positions relatively to the head so that the hair can be cut at any desired length.

In the drawing forming a portion of this application and in which like letters of reference indicate similar parts in the several views: Figure 1 is a front view of the machine; Fig. 2 is a top plan view thereof.

My improved hair cutting machine comprises a casing like member 1 which is provided with a substantially arcuate bottom to which is secured a fixed cutting blade 2. This blade extends forwardly beyond the front of the member 1 and at right angles to the front wall thereof and as illustrated its outer longitudinal edge is provided with a series of V-teeth 3 which are suitably spaced apart to form therebetween the intervening hair receiving spaces 4. The blade is of concavo-convex form longitudinally so as to readily conform to the shape of the head. A reciprocating cutting blade 5 is mounted upon the plate 2, being substantially identical with said blades 2 in that it is provided with teeth 6 similar to the teeth 3 and the intervening hair receiving spaces 7. The side edges of the teeth 3 and 5 are suitably beveled so as to effect the proper cut of the hair as the upper blade is moved across the lower blade.

The means for spacing the cutting blades at any distance from the head, as to the cut of the hair desired comprises a comb 8 of concavo-convex form longitudinally having the relatively long teeth 9 which ex-

tend considerably beyond the cutting edges of the blades 2 and 5. This comb is secured at 10 to the supports 11 which are slidably mounted in the end walls of the member 1, set screws or like devices 12 on the member 1 being employed for the purpose of engaging the supports 11 so as to hold them in their adjusted positions. While the comb is employed primarily as a gage to regulate the cut of the hair by the blades 2 and 5 it is also stated that it serves the purpose of a guide to facilitate the proper movement of the device across the head.

The member 1 has mounted therewithin a motor which is conventionally shown at 13. This motor carries a driven crank arm 14 which is connected at 15 to the actuating link 16. At 17 the actuating link is connected to the upper end of the rocking link 18. The link 18 is pivoted at 19 to the member 1 and at 20 the link 18 is connected to the pitman rod 21 which latter is operatively connected at 22 to the reciprocating knife 5 whereby the latter will be moved across the stationary knife when the motor 13 is in operation. The handle 23 extends rearwardly from the member 1 and adjacent to the handle is disposed the controlling lever 24 of the motor whereby the latter can be started or stopped conveniently as desired by the operator, the position of the lever 24 with relation to the handle 23 being such that it can be controlled by that hand of the operator which is used to control the movement of the device over the head.

I claim:—

1. A hair cutting machine comprising a casing including rear, front, top and end walls, a fixed cutting blade of concavo-convex configuration formed integral with the front wall of the casing, a reciprocating cutting blade of concavo-convex form supported by the fixed cutting blade and movable thereon, and a combined guiding and gaging member supported by the casing and disposed below the plane of the cutting blades.

2. A hair cutting machine comprising a hollow casing including rear, front, top and end walls, a handle for the casing, a fixed cutting blade of concavo-convex form

formed with the lower free edge of the front walls and projecting at right angles thereto, a reciprocating cutting blade of concavo-convexed form supported by the
5 fixed cutting blade and movable thereon, a gage, a motor supported within the casing, means operatively connecting the movable cutting blade with the motor and manipulating means extending through the wall of

the casing in a plane with the handle of the 10 casing for operating said motor.

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

FRANK P. DYER.

Witnesses:

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