

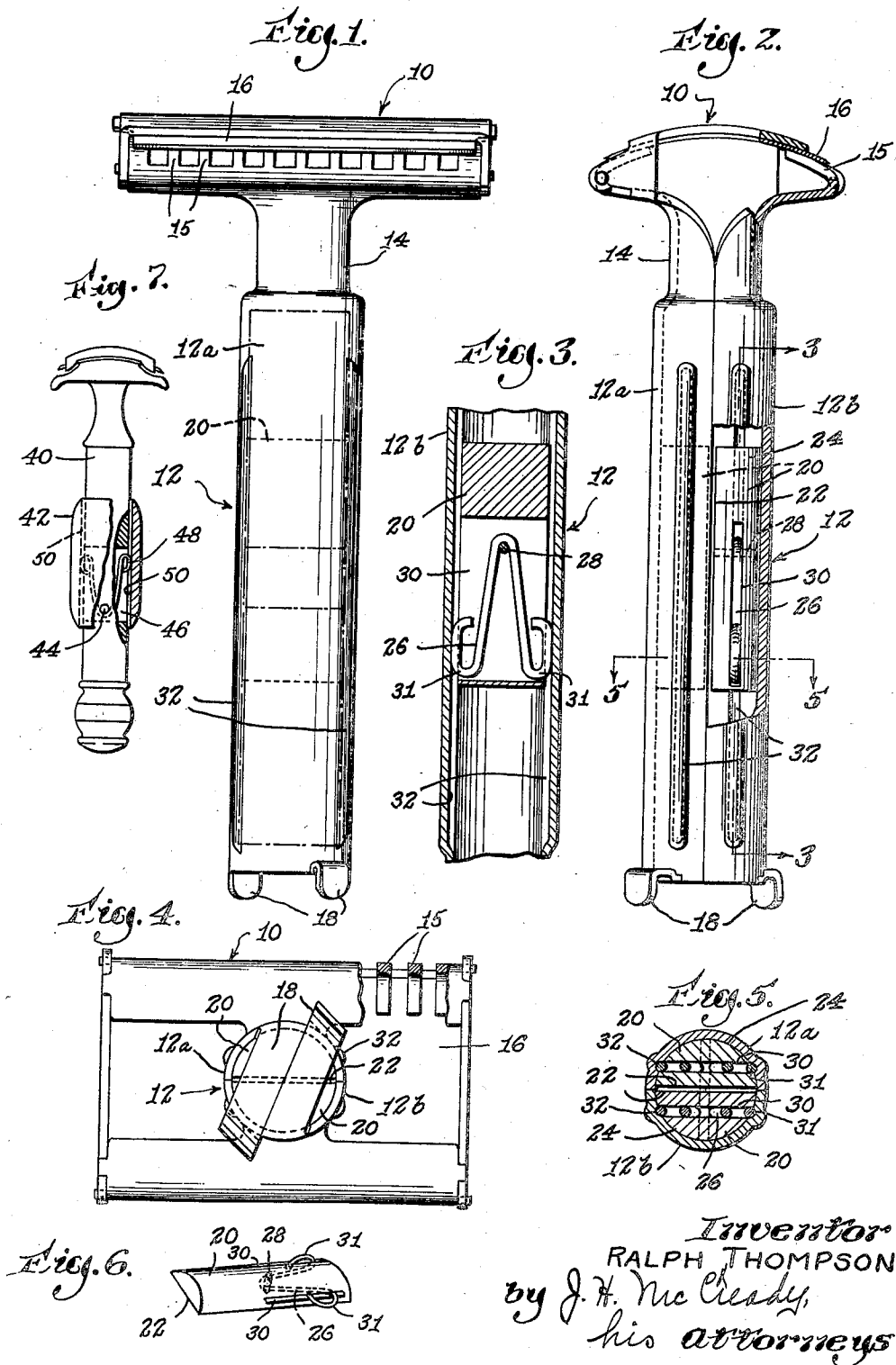
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SAFETY RAZOR

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SAFETY RAZOR

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5 Claims. (Cl. 30—85)

This invention relates to safety razors of the type wherein a blade holding head is attached to and supported on one end of a handle. The head of such razor is usually of relatively light weight and while the handle may be of solid one-piece construction it may also be made of tubular or other light weight construction. The balance of these razors therefore varies in accordance with the weight of the different parts of the razor. It is desirable that such razors shall be balanced to suit the individual users and one object of my invention is the production of a razor which can be adjusted to this end.

Safety razors of the type above defined are more economically constructed as sheet metal stampings but such construction forms a light weight razor having a hollow or tubular handle which may render the razor objectionably unbalanced to some users. My invention herein contemplates the mounting of one or more weights on or within the handle for giving balance to the razor and, in accordance with the preferred embodiment of the invention, the weight is adjustable along the handle whereby the individual user can balance the razor to suit his particular requirements.

These and other features of the invention will be best understood and appreciated from the following description of a preferred embodiment thereof selected for purposes of illustration and shown in the accompanying drawing in which,

Fig. 1 is a front elevation of a safety razor equipped with weights comprising my invention,

Fig. 2 is a side elevation thereof, partially broken away,

Fig. 3 is a fragmentary sectional view through the handle, taken on line 3—3 of Fig. 2,

Fig. 4 is an end view showing the end of the handle in elevation,

Fig. 5 is a sectional view through the handle taken on line 5—5 of Fig. 2,

Fig. 6 is a perspective view of one of the weights,

Fig. 7 is a perspective view of a modified form of the invention.

In the drawing I have illustrated my invention in connection with a safety razor of the well-known "Gillette" type wherein a blade holding head 10 is attached to and supported on a handle 12. The handle illustrated in Figs. 1-6 is of tubular construction and comprises two semicylindrical sections 12a and 12b pivoted to the head 10 at 14. Integral with the pivoted ends of the handle sections are guard teeth 15 which in the closed position of the razor cooperate with the

head to grip a blade 16 therebetween. The blade may be inserted or removed upon pivoting the handle sections to the fully open position. The handle sections are held in the closed position by latches 18 preferably integral with the free ends of the sections. Each latch cooperates with the other latch and its handle section to align the handle sections both laterally and longitudinally and to hold them so aligned and in closed relation. This latch is more specifically described in a copending application to Angus A. Martin, Ser. No. 134,825, filed April 3, 1937.

It will be apparent that this razor may be economically made from sheet metal stampings and that, as thus constructed, the razor is of relatively light weight. Many users of safety razors prefer a heavier razor and the purpose of my invention is to provide means cooperating with this razor to satisfy this preference and furthermore to give proper and desirable balance to the razor, and I accomplish this purpose by suitably mounting one or more weights within the tubular handle.

When the handle 12, as herein illustrated, comprises two semi-cylindrical sections I prefer likewise to form the weight in two sections to fit respectively within the handle sections. One such weight 20 is illustrated in Fig. 6. This weight section has a plain face 22 and a semi-cylindrical face 24, the latter corresponding with the inner curved surface of each handle section. Two of these weight sections are therefore adapted to fit within the two handle sections and they are furthermore preferably arranged for adjustment longitudinally therein and therealong. A convenient latch for holding each weight section within its handle section may consist of a wire 26 bent to the shape shown in Fig. 3 and held within a slot 30 on a pin 28. The two free ends 31 of each latch project outwardly of the weight section and engage within longitudinal channels 32 formed within the handle sections. The extent of these channels is preferably such as to permit adjustment of the weights from a position adjacent to the head 10 to a position adjacent to the free end of the handle. When the handle is in the open position, the weights may be pushed longitudinally of the handle sections to any desired position and resilient engagement of the wire ends 32 provides sufficient friction against the handle to hold the weights in such position.

It will now be apparent that by the use of my invention a light weight and economically constructed razor can be properly weighted and balanced without requiring that the razor as originally constructed shall have these properties,

thus eliminating these requirements in the manufacture of razors. The invention furthermore contemplates an adjustable weighting arrangement of simple and convenient design whereby the individual user can balance the razor to suit his particular fancy or requirement, it being known that some users desire the weight to be located at or adjacent to the shaving head 10 whereas other users may desire that the weight be located more nearly adjacent to the free end of the handle. The novel construction comprising my improvements herein disclosed is adapted to satisfy the requirements of both and all such users of safety razors.

While it is believed preferable to locate the weight within the handle, it may in some cases be desired to locate the weight outside the handle. In Fig. 7 I have illustrated a safety razor 40 having a weight 42 on and adjustable along the handle. Any suitable means may be provided for holding the weight in its adjusted position, as, for example, a spring secured on a pin 44 within a slot 46 in the handle and having ends 48 pressing against the weight along grooves 50 therein.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. A safety razor comprising a blade holding head and an attached handle, and a weight wholly within and adjustable longitudinally along the handle for giving balance to the razor, the weight

being supported by engagement with the handle intermediate of the handle ends.

2. A safety razor comprising a blade holding head and an attached handle embodying a plurality of sections, and a weight comprising a plurality of sections respectively within the handle sections for giving balance to the razor, the weight being adjustable longitudinally along the handle intermediate of and relative to the ends thereof.

3. A safety razor comprising a blade holding head and an attached tubular handle embodying two semi-cylindrical sections, and a weight comprising two sections respectively within the handle sections and adjustable therealong for giving balance to the razor.

4. The safety razor defined in claim 3 plus interlocking means holding the weight sections within the handle sections and permitting said adjustment of the weight sections along the handle sections.

5. A safety razor comprising a blade holding head and an attached handle, and a weight carried by and adjustable longitudinally along the handle intermediate of and relative to the ends thereof for giving balance to the razor, the weight being shorter than the handle, located wholly between the ends thereof, and supported by engagement with the handle intermediate of the handle ends.

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