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COMBINATION COMB AND STRETCHING PIN

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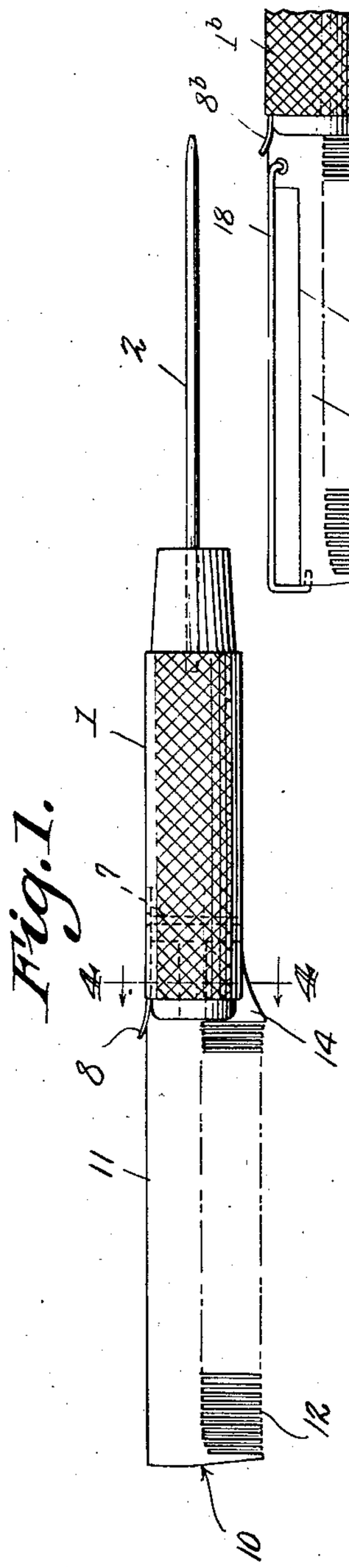

Fig. 1.

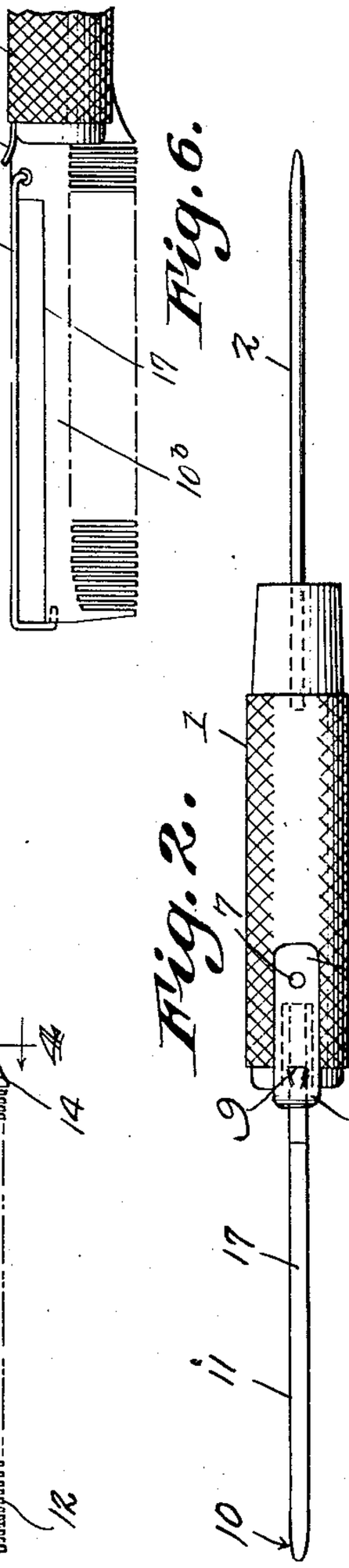

Fig. 2.

Fig. 6.

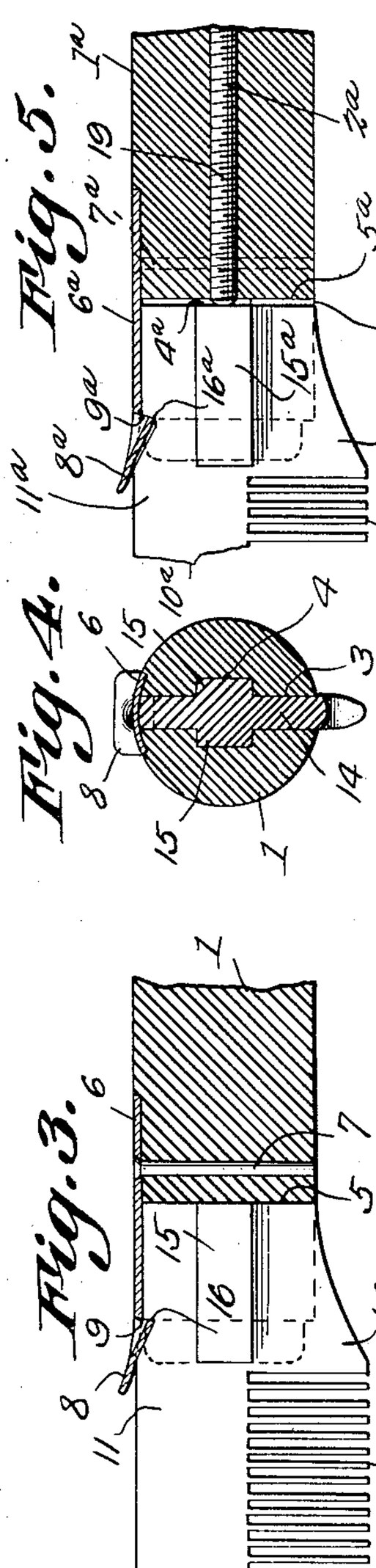

Fig. 5.

Fig. 4.

Fig. 3.

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COMBINATION COMB AND STRETCHING PIN

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4 Claims. (Cl. 132—19)

In the making of permanent waves in the hair, it is necessary to use a comb and a stretching pin. These are separate implements and the operator, ordinarily, has to lay down one of them and take up the other. This invention aims to provide a novel means whereby the stretching pin and the comb are combined in a single article. Another object of the invention is to provide novel means whereby the stretching pin constitutes means for holding the comb in place. Another object of the invention is to supply novel means for assembling the comb with the handle.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the present invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawing:

Fig. 1 shows in side elevation, a device constructed in accordance with the invention;

Fig. 2 is a top plan;

Fig. 3 is a fragmental longitudinal section;

Fig. 4 is a transverse section on the line 4—4 of Fig. 1;

Fig. 5 is a fragmental longitudinal section showing a modification.

Fig. 6 is an elevation showing a modification.

Referring to Figs. 1 to 4, the numeral 1 marks a handle. In the rear end of the handle, a stretching pin 2 is secured. A slot 3 is formed in the forward end of the handle 1 in the diameter of the handle, as Fig. 4 will show. Intermediate its edges, the slot 3 has enlargements 4. At one end of the slot 3, an abutment 5 (Fig. 3) is formed in the handle 1.

A spring latch 6 is seated in a recess in the handle 1 and is secured to the handle as shown at 7. At its forward end, the latch 6 has an outwardly inclined tongue 8 provided with a transverse shoulder 9, located in the slot 3.

The numeral 10 marks a comb. The comb 10 includes a body 11 and teeth 12. The shank of the comb is marked by the numeral 14 and has oppositely disposed ribs 15. In the edge of the comb 10, a keeper or notch 16 is formed.

The shank 14 of the comb 10 is inserted into the slot 3 of the handle 1, the ribs 15 of the shank 14 being received in the enlargements 4 of the slot 3. The shoulder 9 on the spring latch 6 engages with the keeper 16 on the shank 14 of the comb and holds the inner end of the shank 14 against the abutment 5, a secure connection between the comb and the handle thus being afforded. Owing to the fact that the tongue 8 of the latch 6 is disposed at an acute angle to the upper edge of the body 11 of the comb 10, the operator can insert his finger nail readily under the tongue 8 and detach the shoulder 9 of the latch 6 from the keeper 16 of the comb 10.

It will be noted, referring to Figs. 1 and 2, that the device combines in one article, a comb 10 and a stretching pin 2 assembled with a handle 1, a single implement, to all intents and purposes, taking the place of two implements, the work of the operator being facilitated accordingly.

When combs are interchanged on the handle 1, the shanks 14 of the combs may not abut against the part 5 of the handle 1, as in Fig. 3, and an insecure connection between the comb and the handle may result. In order to avoid that contingency, the structure shown in Fig. 5 of the drawing may be used.

In Fig. 5, parts hereinbefore described have been designated by numerals previously used, with the suffix "*a*". In this form of the invention, the stretching pin 2*a* is threaded into the handle 1*a* at 19 and may be advanced so that it will form a stop for the inner end of the shank 14*a* of the comb 10*a* and enable the shoulder 9*a* of the latch 6*a* to engage properly with the keeper 16*a* of the comb. Considered in another light, the shoulder 9*a* may be engaged with the keeper 16*a*, and the stretching pin 2*a* may be advanced, to bind the keeper 16*a* against the shoulder 9*a* of the latch 6*a*. In any event, a secure connection between the comb and the handle 1*a* is afforded and there will be no looseness in the connection between these parts.

In Fig. 6, parts hereinbefore described have been designated by numerals already used with the suffix "*b*". In Fig. 6, the comb 10*b* has a recess 17 in its edge, along which extends a rod 18 having its ends connected to the comb. The rod bounds one edge of the recess, and the recess may be used to receive a part of the shaft of a tightening roll, the device then becoming a wrench to enable the roll to be turned, so that the hair can be tightened about it.

Having thus described the invention, what is claimed is:

1. In a device of the class described, a handle, a stretching pin on one end of the handle, a

comb, and means for connecting the comb detachably with the opposite end of the handle, the stretching pin being threaded for adjustment into the handle and engaging the inner end of the comb to position the comb properly for engagement by said means.

2. In a device of the class described, a handle, a stretching pin on one end of the handle, a comb having a keeper, and means engageable with the keeper for connecting the comb detachably with the opposite end of the handle, the stretching pin being threaded for adjustment into the handle and engaging the inner end of the comb to advance the comb and to cause the keeper to bind against said means.

3. In a device of the class described, a handle, and a comb carried by the handle, the comb having a recess, the comb having a member extending along the recess, said member and the recess forming a socket whereby the implement may be used as a tightening device.

4. In a device of the class described, a handle provided in one end with a slot extended entirely through the handle transversely and terminated at its inner end within the handle, the slot having lateral longitudinal enlargements located in the handle, a comb including a shank received in the slot, the shank having oppositely-disposed ribs received in the enlargements, the shank having a keeper in one edge, and a spring latch strip secured at one end to the handle, the latch strip forming a closure for so much of the slot as lies immediately behind said edge of the comb, the opposite end of the latch strip having means for engaging the keeper detachably, the latch strip being exposed, whereby an operator may raise said opposite end of the latch strip, to disengage the last-specified means from the keeper.

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