A. F. COX.

HAIR DRYING COMB.

APPLICATION FILED SEPT. 29, 1913.

1,153,196. Patented Sept. 14, 1915.

Fig. 1.

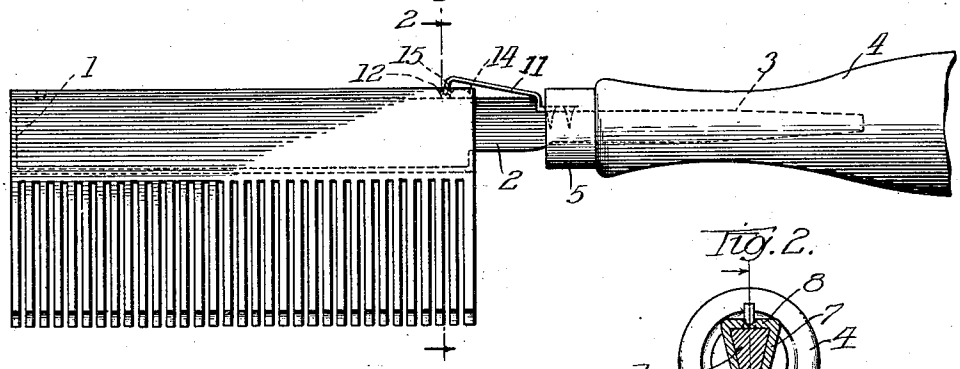
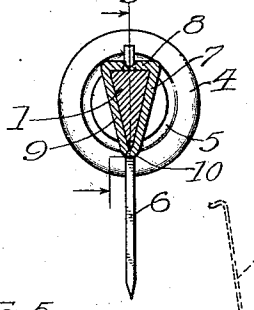


Fig. 2.



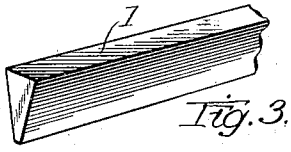


Fig. 3.

Fig. 4.

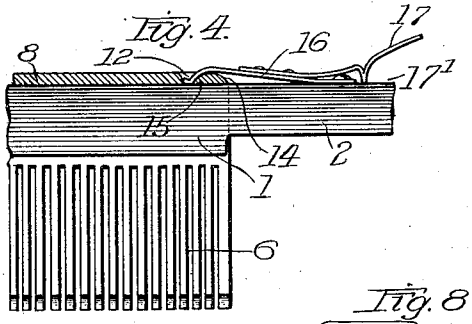


Fig. 5.

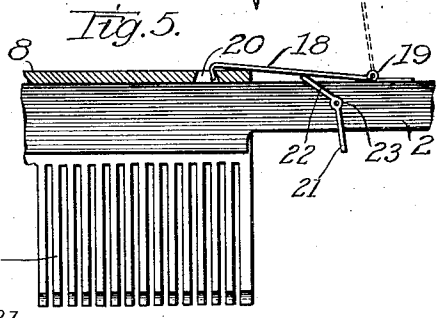


Fig. 8

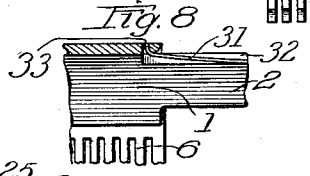


Fig. 6.

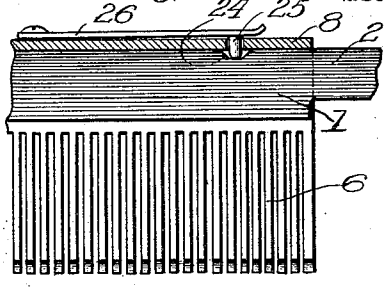
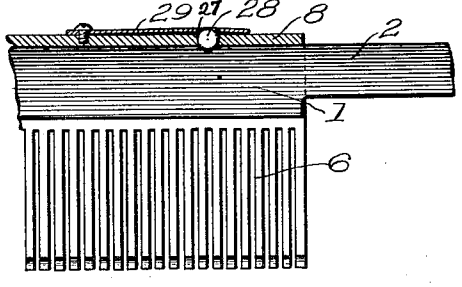


Fig. 7.



Witnesses:

Arthur W. Cobb

Charles I. Cobb

Inventor

Albert F. Cox

by Hill & Hill Attys.

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ALBERT F. COX, OF CHICAGO, ILLINOIS.

HAIR-DRYING COMB.

1,153,196. Specification of Letters Patent. Patented Sept. 14, 1915.

Application filed September 29, 1913. Serial No. 792,396.

To all whom it may concern:

Be it known that I, ALBERT F. Cox, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Hair-Drying Combs, of which the following is a description.

My invention belongs to that general class of devices known as combs, and relates particularly to a comb which may be conveniently heated and employed for combing the hair, and assist in drying and ironing the same, for example, after a shampoo or other treatment.

The invention has among its objects the production of a device of the kind described that is simple, convenient, compact, attractive, efficient and satisfactory, and that may be manufactured at comparatively small cost, and used wherever found applicable.

To this end my invention consists in the novel construction, arrangement and combination of parts herein shown and described, and more particularly pointed out in the claims.

In the drawings, wherein like reference characters indicate like or corresponding parts, Figure 1 is a side elevation of my improved form of device; Fig. 2 is substantially a sectional view taken on line 2, 2 of Fig. 1; Fig. 3 is a perspective view of a portion of the heat storing member; Fig. 4 is a sectional view of a portion of a comb embodying a slightly different construction; Fig. 5 is a similar view of another construction; Fig. 6 is a similar view of another construction; Fig. 7 is a similar view of another construction, and Fig. 8 is a similar view of another construction.

Referring to the drawings, 1 represents what may be termed the heat storing member or part, which is preferably provided with a shank 2, and a tang 3, adapted to be secured in a handle 4 of suitable insulating material, as, for example, wood or the equivalent. If desired, a ferrule 5 may also be arranged as shown. Arranged to surround the heat storing member 1, and detachable therefrom, is a comb part, consisting of the toothed part 6, and a back part preferably formed as at 7, 8 and 9, to form a non-vented chamber for the heat storing member 1. It will be noted by referring to Fig. 2, that the edge of the side 9 is brought to a close fit with the side 7 at the juncture, so that there is no opening. At the juncture of the side 7 and teeth 6 the part is preferably offset slightly as at 10, so as to form an attractive and well balanced symmetrical device.

The comb is detachable from the part 1, so that the part 1 may be heated, as for example, inserted in the fire, as in a stove or in a gas flame, and sufficiently heated. It is unnecessary, however, to insert the comb part in the flame or fire, so that the same does not become dusty, blackened or otherwise dirty. It will be noted that the ends of the comb back are open, so that the handle part may be slipped on at either end. This also is another advantage in that the comb part may be easily cleaned and the accumulation of dust and dirt in the comb back prevented. The comb part being brought closely together at the point 10, none of the dust or dirt may sift through to the teeth of the comb. The part 1 is also made slightly shorter than the comb part, so that the end of the same is not brought in contact with the hair. It will be noted that the sides 7 and 9 form substantially flat surfaces, the purpose of which will be more fully explained hereafter. The coöperating parts, consisting of the heat storing member and the comb part, may be detachably secured together in any suitable manner, so that they will not become accidentally separated when the device is in use.

In the construction shown in Fig. 1, a latch member 11 is secured to the handle and arranged to engage the comb part in an opening 12 in the top, the top being preferably formed as at 14 and 15, so that the comb may be positioned or withdrawn if desired, without grasping and raising the latch.

In the construction shown in Fig. 4, the comb and heat storing member are similar, but a modified form of latch is shown. Referring to this figure, 16 is a spring member suitably secured to the shank 2, the end of the same being arranged to engage in the hole 12, which is formed as at 14 and 15,

similar to the construction previously described. I have also shown in this figure a member 17 secured to the latch 16 for raising the latch. It is preferably formed with a depending part 17', which forms a fulcrum, so that pressure on the end of 17 raises the latch.

In Fig. 5 the latch 18 is hinged at 19 to the shank 2, and engages in a hole 20 in the top 8 of the comb. With this construction, when heating the part 1, the latch 18 may be turned back, as indicated in the dotted lines, so that it does not become hot. In this figure is also shown an attachment for releasing the latch. It consists of the bell-crank 21—22, pivotally secured to the shank 2, and formed to underlie the latch 18. When the end 21 is pushed, as for example, to the left, it raises the latch, and disengages the comb part. Any equivalent construction may be employed.

In the device shown in Fig. 6, a depression 24 is provided in the top of part 1, arranged to receive a pin 25 carried by a spring 26. The comb may be slipped off by pushing or pulling on the same.

In the form shown in Fig. 7, a ball 28 is provided, arranged to drop into a depression 27 in the part 1, the same being maintained in operative position by a spring 29, or its equivalent for the purpose.

In the construction shown in Fig. 8, a spring 30 is secured to the shank 2, and arranged to engage in a hole 31 in the back part 8 of the comb, but from the under side. With this construction the comb part may be slipped on or off, the engagement being sufficient to hold the parts together while the comb is being used.

In using the device, the comb part is detached or removed from the handle part, and the heat storing member 1 inserted in the fire, as for example, in the stove or in a gas flame, or otherwise suitably heated. When heated sufficiently it is inserted in the chamber formed in the comb part, and the device is ready for use. If the hair is damp, the heat being conducted down to the teeth of the comb, thoroughly dries the hair during the combing. If the comb is turned so that either the flat faces 7 or 9 are brought into contact with the hair, they act as an iron, thoroughly ironing and smoothing it straight. It will be noted there are no parts for the hair to become entangled in. By forming part 1 separable from the comb part, the same does not soil the hair as would be the case if the entire comb was heated, nor is the comb discolored, as would be the case if the whole device was inserted in a fire and heated. The part 1 and comb part may be made of any suitable material for the purpose, brass being preferred.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the same without departing from the spirit of my invention; hence I do not wish to be understood as limiting myself to the exact form, construction, arrangement or combination of parts herein shown and described, or uses mentioned.

What I claim as new and desire to secure by Letters Patent is:—

1. In a device of the kind described, and in combination, an elongated heat storing member having at one end a suitable handle of insulating material, a detachable comb provided with a body part having a back and connected tapering side walls, the heat storing member being of a shape to conform to that of the chamber provided by the body part of the comb, which said body part has an open end for the insertion and removal of the heat storing member, and said back wall having an opening therein adjacent the open end of the body part, and means to engage in said opening to detachably maintain the heat storing member in place in the body part of the comb.

2. In a device of the kind described and in combination, a comb part comprising a back, and teeth projecting from said back, the back being hollow and open at one end and having integral back and side walls, the side walls tapering inwardly from the opposite sides of the back wall to the point of connection with the teeth, and a detachable heat storing member provided with a suitable handle of insulating material, the heat storing member corresponding in contour with the chamber in the back, and insertible through the end of the back and a spring held latch for detachably connecting the heat storing member and comb part together.

3. In a device of the kind described, and in combination, a comb part comprising a chambered back and teeth projecting from said back, the back being hollow and open at opposite ends and having connected back and side walls, the side walls tapering inwardly from the opposite sides of the back wall to the point of connection with the teeth, and a detachable heat storing member insertible from either end of the back, said member being provided with a suitable handle of insulating material, the heat storing member corresponding in contour with the chamber in the back, and movable means on the heat storing member adapted to engage the back of the comb part to retain the parts in place.

4. In a device of the kind described and in combination, a comb part provided with a chambered back and a heat storing member corresponding in contour with the chamber in said back, and arranged to be detachably

positioned therein by a sliding movement through the end of the back, and retaining means interposed between the comb part and heat storing member, said retaining means being automatically released by a relative sliding movement of the comb part and heat storing member.

In testimony whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

ALBERT F. COX.

Witnesses:
ROY W. HILL,
CHARLES I. COBB.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."