

C. A. HOTCHKISS.
CURRY-COMB.

No. 175.099.

Patented March 21, 1876.

Fig. 1

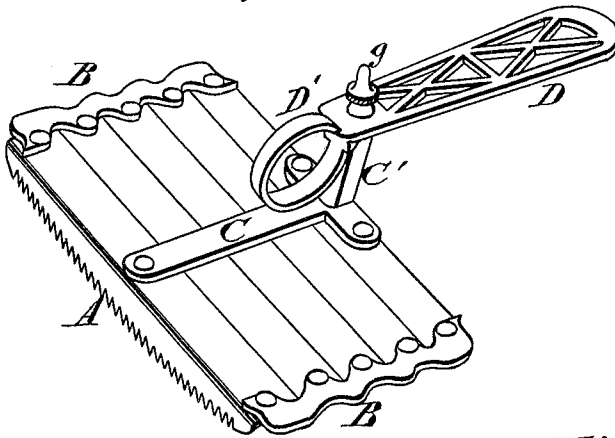


Fig. 2

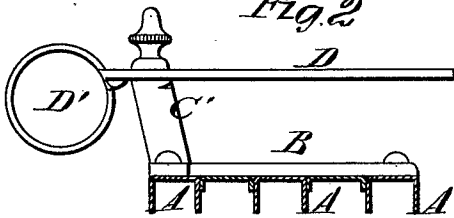


Fig. 6

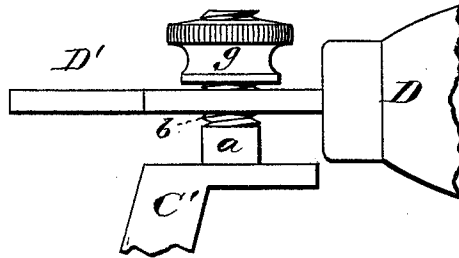


Fig. 3

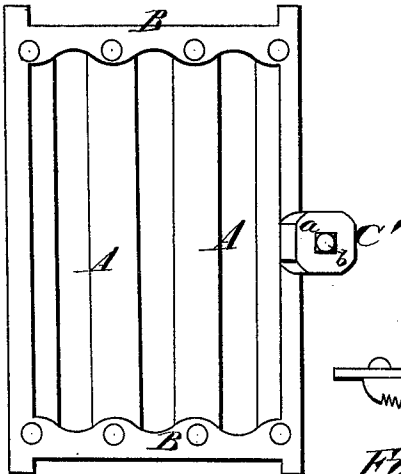


Fig. 5

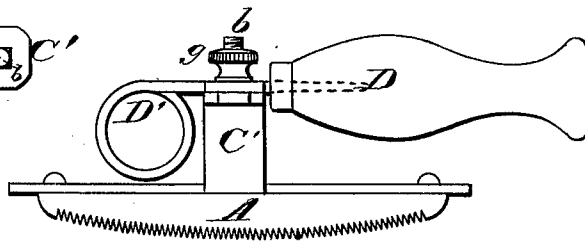
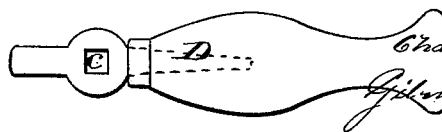


Fig. 4



WITNESSES

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Fig. 7

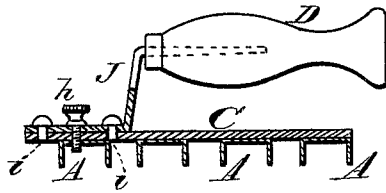


Fig. 8.

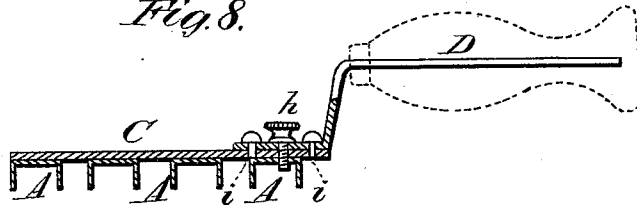


Fig. 9

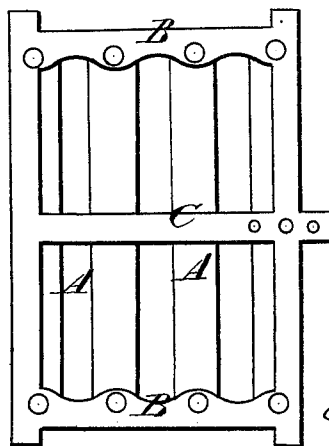


Fig. 10

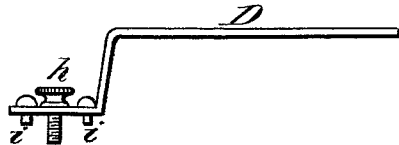
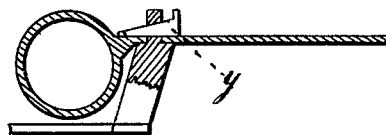


Fig. 11.



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UNITED STATES PATENT OFFICE.

CHARLES A. HOTCHKISS, OF BRIDGEPORT, CONNECTICUT.

IMPROVEMENT IN CURRY-COMBS.

Specification forming part of Letters Patent No. **175,099**, dated March 21, 1876; application filed March 15, 1876.

To all whom it may concern:

Be it known that I, CHARLES A. HOTCHKISS, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new and valuable Improvement in Curry-Combs; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective of my curry-comb, and Fig. 2 is a transverse vertical section thereof. Fig. 3 is a plan view, and Fig. 4 is a detail modification. Fig. 5 is an elevation of my curry-comb, and Fig. 6 a detail modification of the same. Fig. 7 is a transverse vertical section of a modification, and Fig. 8 is the same. Fig. 9 is a plan view of a modification of my curry-comb, and Fig. 10 a detail view of the same. Fig. 11 is a part detail sectional view of a modification.

This invention relates to "open" or "close" back curry-combs having handles which are adjustable over the tops or backs of the combs, or on one side, or on a line with the teeth-bars thereof, for the purpose of obtaining a back-grasping handle or a side-grasping handle, at will.

The nature of my invention consists in a single handle of wood or metal, or of wood and metal combined, which can be adjusted over the back of the comb, or on one side thereof, or on a line with the teeth-bars, without necessarily detaching the handle from the comb, but by simply detaching it from its fixed position on the comb-frame, or a post rising from this frame, as will be hereinafter explained.

In the annexed drawings, A A, Figs. 1, 2, 3, 5, designate the comb-bars, which are permanently secured to end bars B B, and also to an intermediate or central bar, C, from which rises a post, C', having a square tenon, *a*, and a male screw, *b*, formed on its upper end. Instead of the post C' rising from and fixed to the comb at the middle of its length, an arch, springing from one bar, B, to the other bar at the opposite end of the comb, may be

substituted, having the tenon *a* and screw *b* formed on it. D designates a handle, which may be made wholly of metal, and which is preferably constructed with a thumb-bearing, D'. Near this bearing D' is a square hole or tenon, *c*, made through the shank thereof, adapted to receive the tenon *a* on the post C. When handle D is adjusted on its tenon on one side of the comb, as shown in Fig. 1, or over the back of the comb, as shown in Fig. 2, or on a line with the teeth-bars, as shown in Fig. 5, said handle is rigidly secured in place by a thumb-nut, *g*, applied on the screw *b*.

To reverse the handle D from a side handle to a grasping handle over the back of the comb, and to adjust this handle in line with the length of the comb-bars, and vice versa, the nut *g* is partly unscrewed, as shown in Fig. 6, and the handle raised free from the tenon *a*, which will allow this handle to be turned and set at four different angles.

Fig. 4 shows a wooden handle with a tang having a square socket through it, adapted for the combs, shown in Figs. 1, 2, and 3.

The comb shown in Fig. 5 has its handle adjusted in line with the length of the comb-bars, and is constructed like the combs above described. When the handle D is adjusted as last described, the comb is used for currying the belly of a horse.

I contemplate constructing combs as shown on sheet 2 of the accompanying drawings. Fig. 7 shows a comb with a wooden handle, secured on a tang, J, the flat foot-piece of which may have two studs, *i i*, fixed into it equidistant from a thumb-screw, *h*, which is tapped through the frame of the curry-comb. By loosening the screw *h* until the pins or studs *i i* will slip out of their holes in said frame, the handle may be adjusted either over the back of the comb, as shown in Fig. 7, or to one side thereof, as shown in Fig. 8. This Fig. 8 shows a handle, which may be made wholly of metal, and the dotted lines indicate a wood covering which may, if desired, be used on this metal handle. Fig. 9 is a top view of a comb-frame with comb-bars attached, and with perforations for the pins or studs *i i* and thumb-screw *h*, and Fig. 10 is a side view

of a metal handle, adapted for the combs of Figs. 7, 8 and 9.

All of the combs described allow the handle to be adjusted without detaching them from the comb.

Fig. 11 is a longitudinal sectional view of part of a comb, which shows a wedge-fastening, *y*, for securing the handle *D* to the comb-frame without the use of the thumb-screw *h* or *g*. This device I consider the equivalent of a screw-fastening; for, by retracting the wedge *y* a short distance, the handle *D* will be released from its fixed position, and can be adjusted without detaching it from the comb.

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

A curry-comb, having a handle which is reversible by detaching it from its fixed position on the comb without detaching it from the comb, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES A. HOTCHKISS.

Witnesses:

JOHN F. ACKER, Jr.,
ROBERT EVERETT.