(No Model.)

W. E. LAWRENCE.

CURRY COMB.

No. 345,155. Patented July 6, 1886.

Fig. 1.

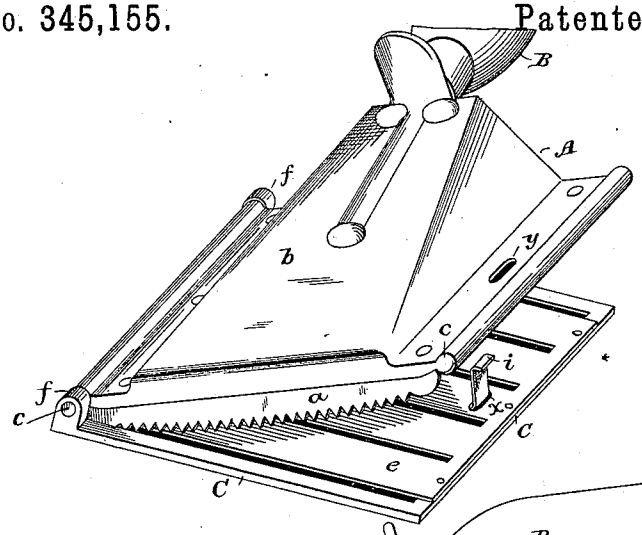


Fig. 3.

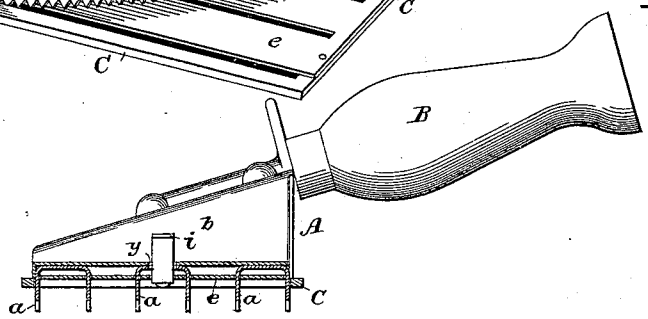


Fig. 2.

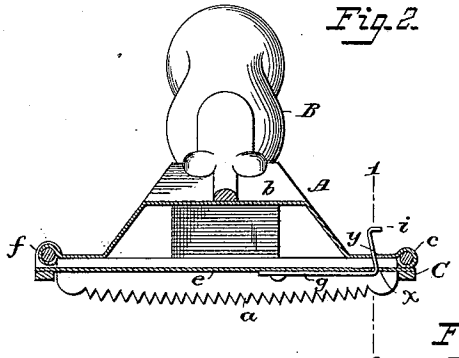
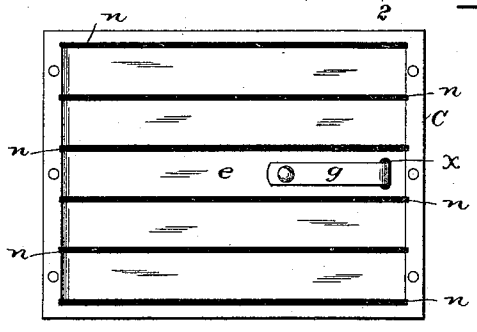


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM E. LAWRENCE, OF NEW YORK, N. Y.

CURRY-COMB.

SPECIFICATION forming part of Letters Patent No. 345,155, dated July 6, 1886.

Application filed June 9, 1885. Serial No. 168,165. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. LAWRENCE, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Curry-Combs, of which the following is a specification.

My invention relates to that class of curry-combs provided with scraper-frames for cleansing the comb-bars; and my invention consists in the novel construction of the scraper-frame and its attachment to the body of the comb, as fully set forth hereinafter, so as to secure increased strength and rigidity of the parts, as well as an improved support for the comb-bars and securely lock the frame in place.

In the drawings, Figure 1 is a perspective view of a curry-comb, illustrating my improvement. Fig. 2 is a transverse section. Fig. 3 is a section on the line 1 2, Fig. 2. Fig. 4 is an inverted plan view of the attachment.

The comb-bars *a* are supported by a back piece, A, of any suitable construction, but which, as shown, consists of a metallic sheet stamped up to form an inclined hand-rest, *b*, to which is connected the usual side handle, B, the ends of the sheet from which the back piece is formed being bent around stiffening-rods *c*.

The above-described parts constitute an ordinary curry-comb, and may be constructed in any of the various ways in which such implements are usually made.

With the comb is combined a cleaning attachment, consisting of a continuous rigid rectangular frame, C, and cross-blades *e*, secured to the frame and separated sufficiently for the passage of the blades of the comb-bar *a*, and this attachment is connected to the body of the comb by means of the rods *c*, which are prolonged to extend through lugs *f f* upon the frame C, and thereby hinge the latter to the comb. The parts are so arranged that when the frame C is brought close to the under side of a comb-back, the comb-bars will extend through the spaces between the blades *e*, and when the frame is swung downward to the position shown in Fig. 1 the blades will scrape the sides of the comb-bars and cleanse the latter of all adhering matters. The attachment may be locked in the position shown in Figs. 2 and 3 by any suitable appliance. For instance, a spring-blade, *g*, is riveted at one end to the under side of one of the blades *e*, and is extended upward through a slot, *x*, in said blade, and is bent to form a lip, *i*, and the back of the comb is provided with a slot, *y*, through which the said lip will extend when the parts are in the position shown in Figs. 1 and 3, thereby locking the attachment in its position, the lip *i*, however, yielding to pressure by the finger, so as to permit the attachment to be swung down away from the body of the comb.

The blades *e* may consist of separate strips, riveted to the body of the frame C; or they may be formed by cutting a sheet to form parallel slots to receive the blades of the comb-bars.

In order to strengthen the comb-bars when the frame C is in place, I notch the sides of the frame opposite the spaces between the blades *e*, and so construct the comb-bars that their ends will extend into the said notches, the bars being thereby braced and strengthened, and the frame being retained in its proper position in respect to the bars.

By making the frame C of a continuous rigid piece I am enabled to prevent the blades *e* from getting out of position and jamming against the comb-bars, so as to render the attachment inoperative, and I am also enabled to secure a durable hinge attachment by providing the frame with the lugs receiving the rod at the edge of the comb-bar, and by applying the locking-spring near the loose end of the attachment I am enabled to secure it firmly in position without interfering with its ready release when required.

Without limiting myself to the precise construction and arrangement of parts shown, I claim—

1. A curry-comb provided with comb-bars carried by the body of the comb, and with a rigid frame hinged to the body and carrying scraping-blades, substantially as described.

2. A curry-comb provided with scraping-blades *e*, carried by a rigid cast-metal frame, having projections at one end for hinging to the comb-body, and with a locking device secured to one of the blades, substantially as described.

3. The rigid cast-metal frame carrying scraper-blades provided with lugs *f*, in combination

with the comb-body provided at the edges with strengthening-rods, one of which extends through said lugs, substantially as described.

4. The comb-body having a slot, *y*, in combination with the rigid frame hinged to the body and carrying scraper-blades, and a spring-blade, *g*, arranged to lock the scraper-frame to the body, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM E. LAWRENCE.

Witnesses:
JNO. D. LAWRENCE,
WM. H. WOODHULL.