

J. N. RUNDLE

CURRY-COMB.

No. 187,912.

Patented Feb. 27, 1877.

Fig. 1.

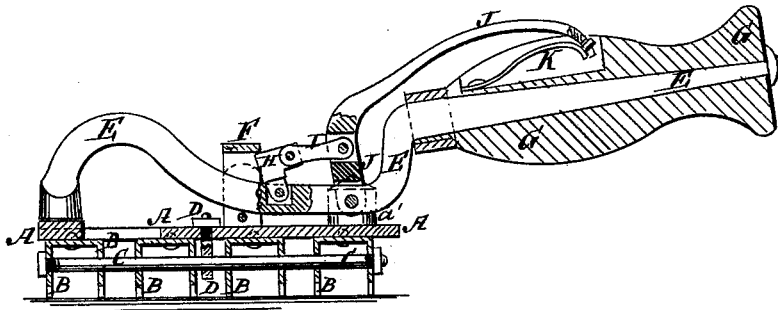
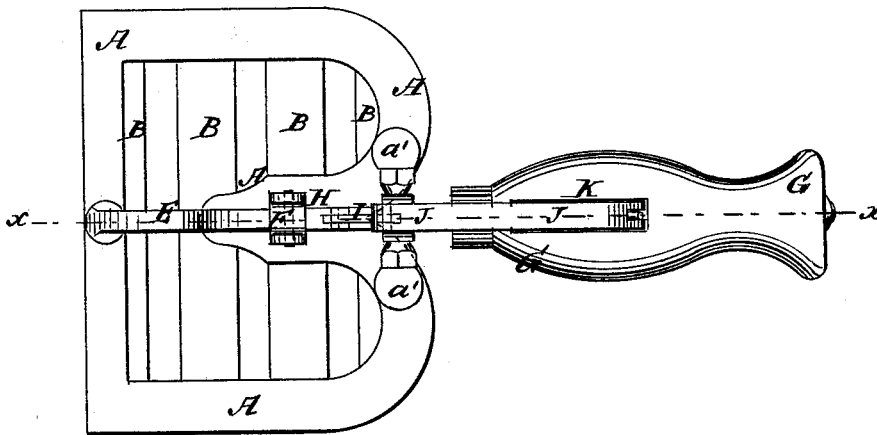


Fig. 2.



WITNESSES:

E. Wolff
John Goethals

INVENTOR:

J. N. Rundle
BY *Munroe*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES N. RUNDLE, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR TO HIMSELF
AND DAVID L. FONSECA, OF SAME PLACE.

IMPROVEMENT IN CURRY-COMBS.

Specification forming part of Letters Patent No. **187,912**, dated February 27, 1877; application filed
September 16, 1876.

To all whom it may concern:

Be it known that I, JAMES NELSON RUNDLE, of San Francisco, in the county of San Francisco and State of California, have invented a new and useful Improvement in Self-Cleaning Curry-Combs, of which the following is a specification:

Figure 1 is a detail section of my improved curry-comb, taken through the line *x x*, Fig. 2. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish curry-combs which shall be so constructed that they will clean themselves of dust and hair while being used, rendering it unnecessary to knock them against the timbers of the stall or stable to clean them, and thus preventing the marring of said timbers.

The invention consists in the combination of the hinged bar and the keeper with the frame to which the tooth-plates are attached; in the combination of the rod and the eyebolt with the tooth-plates and the frame; and in the combination of the catch, the connecting-bar, the lever, and the spring, with the hinged bar, the keeper and the handle, as hereinafter fully described.

A is a frame cast of malleable iron or other suitable material. B are the tooth-plates, which are formed of strips of sheet metal bent twice at right angles, and having their edges notched to form the teeth.

C is a rod passed through the tooth-plates parallel with the frame A, and having a nut screwed upon its end. The rod C also passes through the eye of an eyebolt, D, which passes up through the middle part of the frame A, and has a nut screwed upon its upper end, so that by screwing up the said nut, the eyebolt D and the rod C may clamp the tooth-plates B closely against the lower side of the frame A.

The tooth-plates B are kept from turning or slipping closer together by projections formed upon their ends, and which enter recesses in the lower side of the frame, or the projections may be formed upon the frame A, and enter holes in the tooth-plates B.

To and between lugs *a'*, attached to or formed upon the rear part of the frame A, is pivoted a bar, E, which passes through a keeper, F, attached to the middle part of the frame A.

The forward end of the bar E is curved upward, forward, and downward, and has a head formed upon it to strike against the forward part of the frame A or a boss formed upon said forward part.

The rear end of the bar E is curved upward and rearward, and has a handle, G, attached to it.

With this construction, when the curry-comb is being used, the frame A and the tooth-plates B play upon the hinge that connects the said frame A with the bar E, the movement being limited by the keeper F attached to the frame A, so that the jar caused by checking the said movement may knock off any dust and hair that may be adhering to the tooth-plates B.

H is a short right-angled catch-bar, one end of which is pivoted to the bar E in such a position that its angle may enter the bow of the keeper F when the end of the bar E is in contact with the frame A, and fasten said parts in that position, making the curry-comb rigid when desired.

To the other end of the catch H is pivoted the end of a short connecting-bar, I, the other end of which is pivoted to the lever J. The forward end of the lever J is pivoted to the bar E or to the pivot of said bar.

The lever J is bent to the rearward, extends back a little above the handle G, and its rear end enters a slot or groove in said handle, and is connected with a spring, K, secured in said slot or groove, so that the user, by pressing upon the said lever J, can withdraw the catch from the keeper F and hold it away from said keeper.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of the hinged bar E and keeper F with the frame A, to which the tooth-plates B are attached, substantially as herein shown and described.

2. The combination of the rod C and eye-bolt D with the tooth-plates B and the frame A, substantially as herein shown and described.

3. The combination of the catch H, the connecting-bar I, the lever J, and the spring K, with the bar E, the keeper F, and the han-

dle G, substantially as herein shown and described.

JAMES NELSON RUNDLE.

Witnesses:

ISRAEL RICHARDS,
M. CARDOZO.