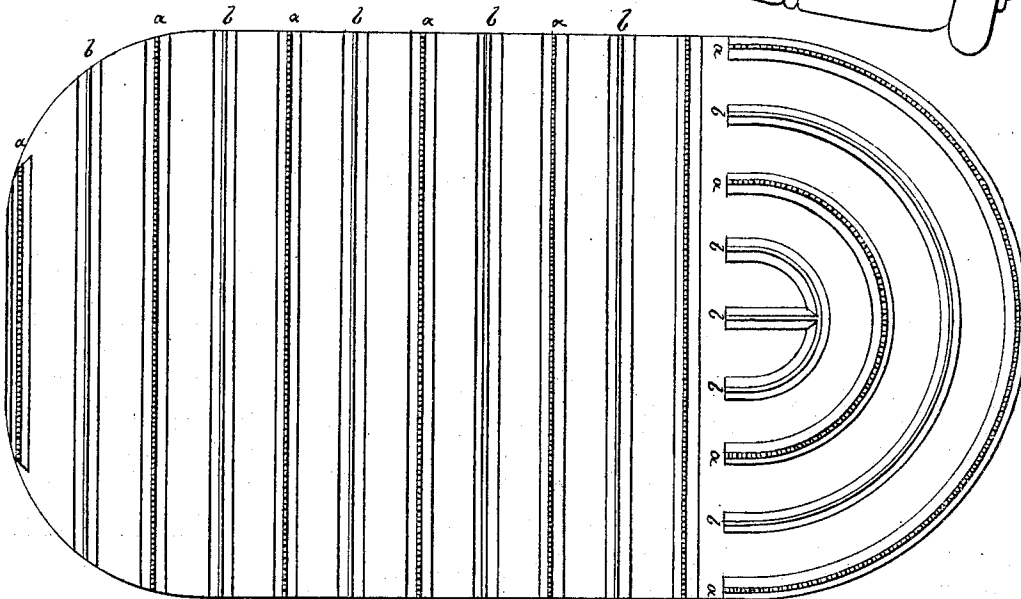
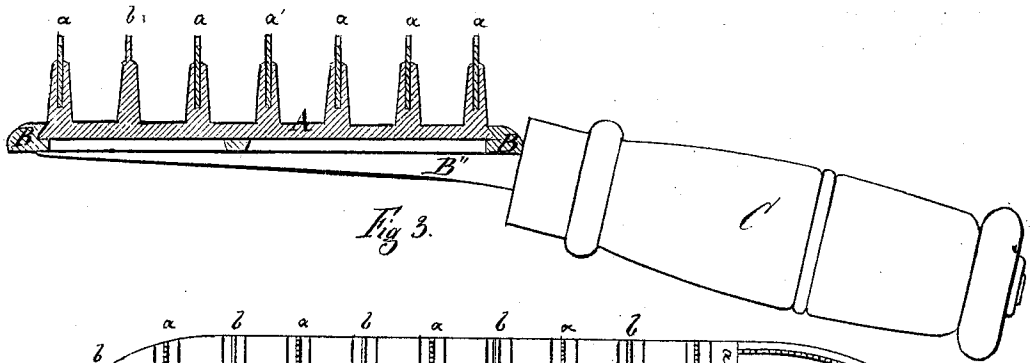
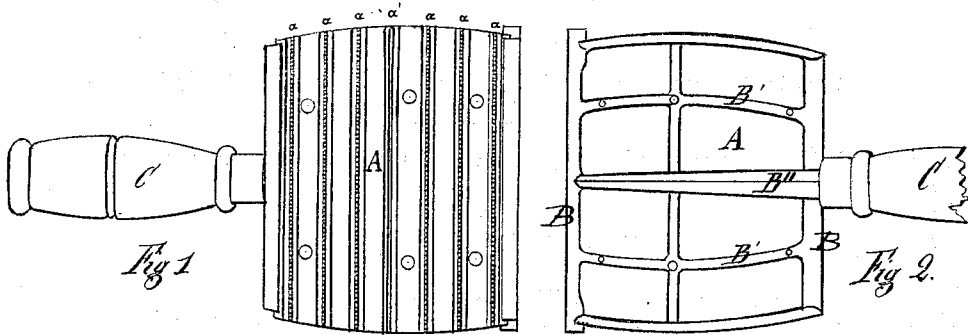


D. E. HAYWARD.

Curry-Comb.

No. 129,224.

Patented July 16, 1872.



WITNESSES

M. Austin Park
George C. Felt

Fig 4.

INVENTOR

Daniel E. Hayward
by J. E. Maynard
his atty.

UNITED STATES PATENT OFFICE.

DANIEL E. HAYWARD, OF MALDEN, MASSACHUSETTS.

IMPROVEMENT IN CURRY-COMBS.

Specification forming part of Letters Patent No. 129,224, dated July 16, 1872.

I, DANIEL E. HAYWARD, of Malden, in the county of Middlesex and State of Massachusetts, have invented a new and Improved Curry-Comb, of which the following is a specification:

In the drawing, Figs. 1, 2, and 3 represent one form of my improved curry-comb, and Fig. 4 a different form.

The form shown in Figs. 1, 2, and 3 has a rigid handle, C, and does not differ in shape from the ordinary curry-comb. The form shown in Fig. 4 has no rigid handle, but is held when in use by means of a strap secured upon its back, through which the hand is passed, being in this respect like a well-known form of curry-comb.

My curry-comb A, without the handle and back, is constructed as follows: A suitable mold is formed, the interior of which is such that the part A, Fig. 3, will exactly fill it. This mold is provided with steam-jackets, and in all other respects is constructed in accordance with the invention patented to Daniel Hayward by Letters Patent No. 11,608, dated August 29, 1854, since extended and reissued. The metal plates *a a a'* are then inserted in the grooves of this mold, to which they correspond, and the composition forming the remainder of the curry-comb is put in the mold and forced into its place and vulcanized, all as described in the said reissued Letters Patent, except that the metal plates *a a a'* are first inserted in their proper places in the mold. The plates *a a a* are provided with teeth like the teeth of an ordinary curry-comb. The plate *a'* is precisely like the plates *a a*, except that it has no teeth. The plate *b* is of vulcanized rubber, formed by pressing the rubber down into the groove fitted to receive the lower part of the metal plate.

In Fig. 1 all the plates are of metal, and all of them have teeth like the common metal curry-comb—except the middle plate, which is without teeth—as many hostlers prefer one of the plates to be smooth-edged. Sometimes I

construct my curry-comb with every other plate of metal with teeth, and the intermediate plates of vulcanized rubber, like the plate *b*, Fig. 3. I also make a rubber or dresser for horses and other animals by leaving out all the metal plates, when all the plates are formed of vulcanized rubber, like the plates *b*.

Fig. 4 shows a curry-comb constructed with alternate plates of metal and rubber, *a a a* being the toothed plates of metal, and *b b b* being vulcanized-rubber plates.

The curry-comb may be constructed in any desired form, and may be fitted to a rigid handle, as shown in Figs. 1, 2, and 3, or may have a strap to it, as indicated in Fig. 4. It is also obvious that the rubber plates may be on the outside instead of the metal. The back of the curry-comb, shown in Figs. 1, 2, and 3, is a framing of metal, B, B', and B'', to which the handle C is attached. Grooves are formed in the inner sides of the parts B B to receive projections on the curry-comb A, which, when in place, is secured by rivets to the parts B' B'. It is obvious that other forms of back may be used, but this form is the best known to me.

I do not claim, broadly, a curry-comb formed of rubber and metal, for I am aware that a kind of curry-comb has been heretofore used composed of metal pins and rubber.

What I do claim, is—

1. As a new article of manufacture, the curry-comb above described, consisting of a series of metal plates, *a a'*, embedded, as shown, in the vulcanized-rubber base A, the whole constructed as shown, and with or without the rubber plates *b*.

2. As a new article of manufacture, a rubber for cattle composed of a single piece of vulcanized rubber, formed, as shown, into a base A, with a series of projecting plates, *b*.

D. E. HAYWARD.

Witnesses:

JOS. A. FAIRBANKS,
A. H. YEOMANS.