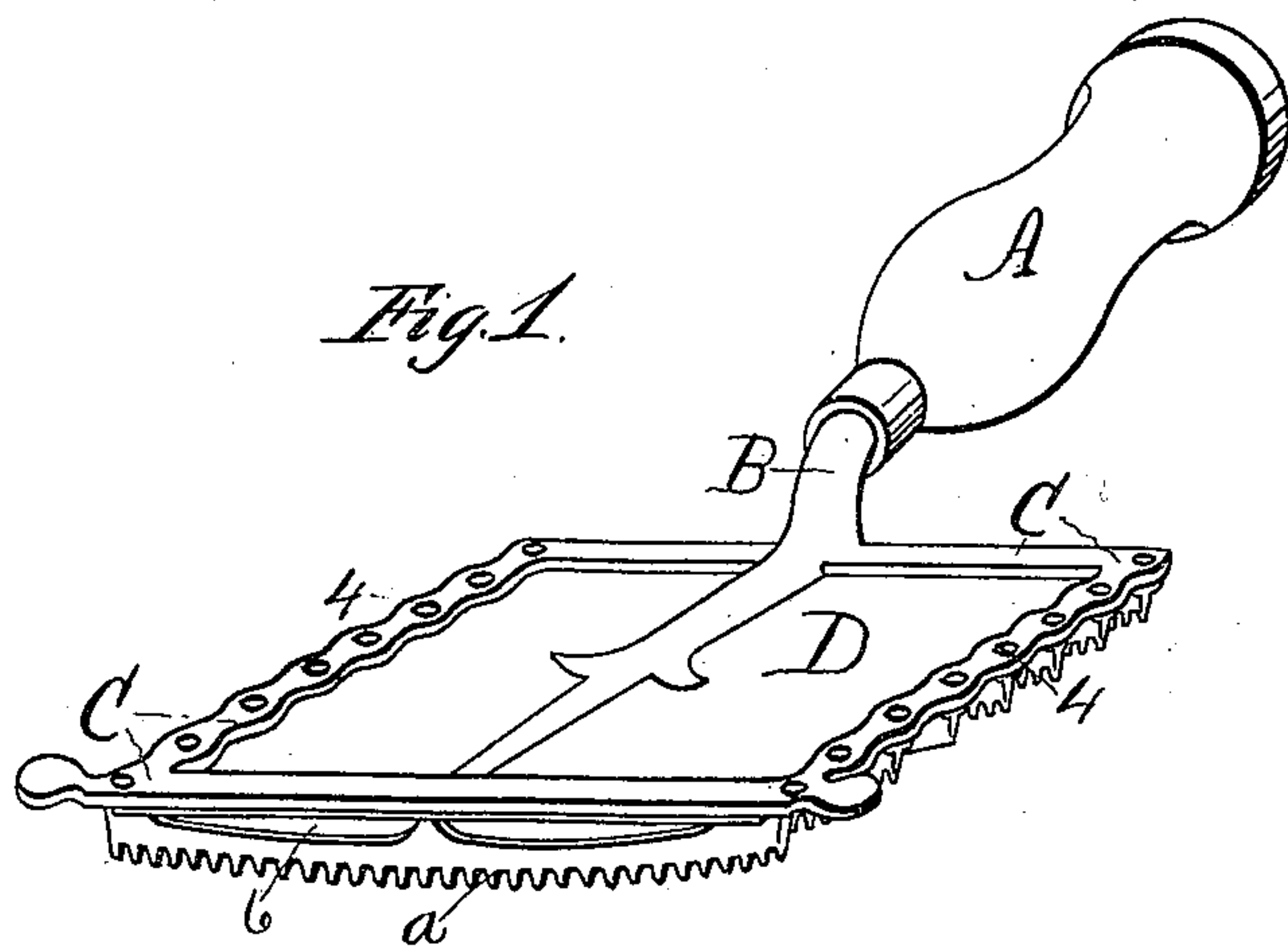


(No Model.)

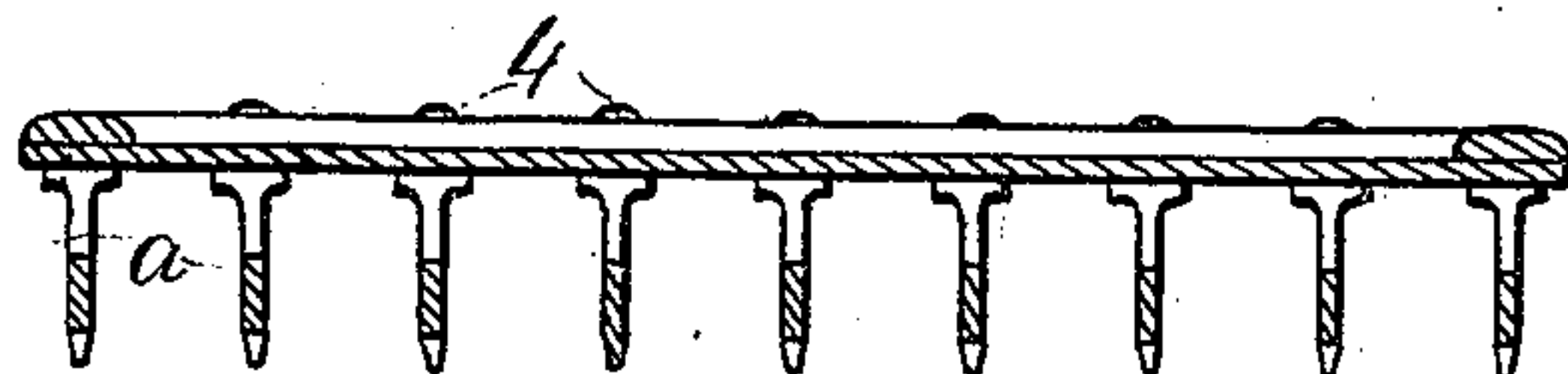
H. H. NORTON.  
Curry Comb.

No. 230,890.

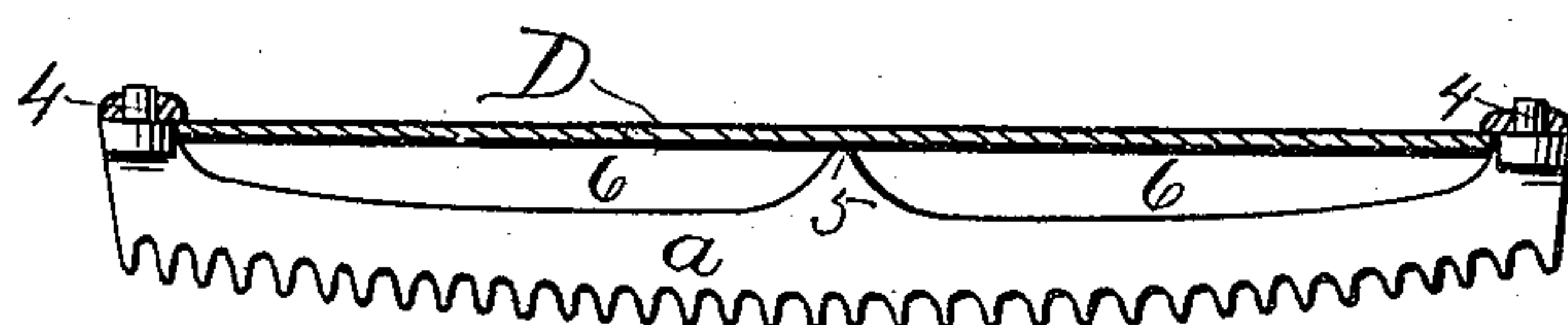
Patented Aug. 10, 1880.



*Fig. 2.*



*Fig. 3.*



Witnesses:  
F. B. Townsend  
W. A. Schonfeld.

Inventor:  
Henry H. Norton,  
per  
G. B. Coupland & Co.,  
Attorneys.

# UNITED STATES PATENT OFFICE.

HENRY H. NORTON, OF CHICAGO, ILLINOIS.

## CURRY-COMB.

SPECIFICATION forming part of Letters Patent No. 230,890, dated August 10, 1880.

Application filed May 5, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY H. NORTON, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in a Curry-Comb; and I do hereby declare that the following is a full, clear, and exact description of the same, that will enable others skilled in the art to which it appertains to construct and make use thereof, reference being had to the accompanying drawings, and letters of reference and figures marked thereon, forming a part of this specification.

This invention relates to an improvement in curry-combs; and it consists in certain novel features, as will be hereinafter more fully set forth and described in detail.

Figure 1 is a view in perspective; Fig. 2, a cross-section in the plane with the handle; and Fig. 3 a sectional detail.

Referring to the drawings, A represents the handle; B, the shank inserted in the handle; C, a skeleton-frame formed integral with the shank B; D, the back proper of the comb, and *a* the series of toothed bars.

The shank B and the skeleton-frame C are composed of cast malleable iron. The two sides of the frame C are provided with perforations for the reception of the tenons 4, cast integral with the toothed bars *a*. The series of toothed bars *a* are of cast malleable iron, and are provided at both ends with the shoulder-tenons 4 and the central bearing-point, 5, leaving the open space 6 between the toothed bars and the back of the comb, all as shown in Fig. 3 of the drawings. By having the toothed bars cut away in this manner the comb is rendered much lighter and a free escape provided for the dust or dirt.

The back D is composed of sheet metal, and is held between the frame C and the toothed bars *a* when these parts are pivoted together, as shown in Fig. 1 of the drawings.

Many horses having a tender hide are very sensitive to the application of a curry-comb, and under such circumstances it is often a difficult matter to properly groom them, and especially when making use of the ordinary curry-comb, constructed of sheet metal and

presenting teeth having sharp points and edges which irritate the animal.

In my improvement I obviate this trouble by constructing a curry-comb having teeth of cast metal which have nicely-rounded points and edges and do not pain or irritate the horse.

The manner of attaching the toothed bars is as follows: A suitable anvil is provided at regular intervals with a series of recesses of the size and form and corresponding in number to the bars entering into the construction of the curry-comb. The proper number of toothed bars are next placed in these recesses, the sheet metal back is next placed on the top of these bars, and then the perforated skeleton-frame is placed in proper position to engage with the tenons 4, which project slightly above the level of the skeleton-frame C, and are quickly and conveniently riveted down by a few blows of a hammer, or by means of a suitable die formed expressly for this purpose. The riveting process draws the parts firmly together and holds the back D down to a close bearing with the points 5.

I am aware of Letters Patent No. 202,482, April 16, 1878, No. 128,632, April 6, 1875, No. 202,837, April 23, 1878, and Reissue Letters Patent No. 6,788, December 7, 1875. I therefore do not broadly claim any of the specific improvements shown therein, but confine myself to the construction, arrangement, and combination of the several parts, as herein shown and described.

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

In a curry-comb, the combination, with the perforated skeleton-frame C and the sheet-metal back D, of the series of cast-metal toothed bars *a*, having the backs thereof cut away in the manner shown, and provided with the tenons 4 and the central bracing-points, 5, substantially as herein shown and described.

HENRY H. NORTON.

Witnesses:

S. L. NORTON,  
H. A. NORTON.