

G. H. Roth,
Coal Siere.

N^o 79,398.

Patented June 30, 1868

Fig. 1.

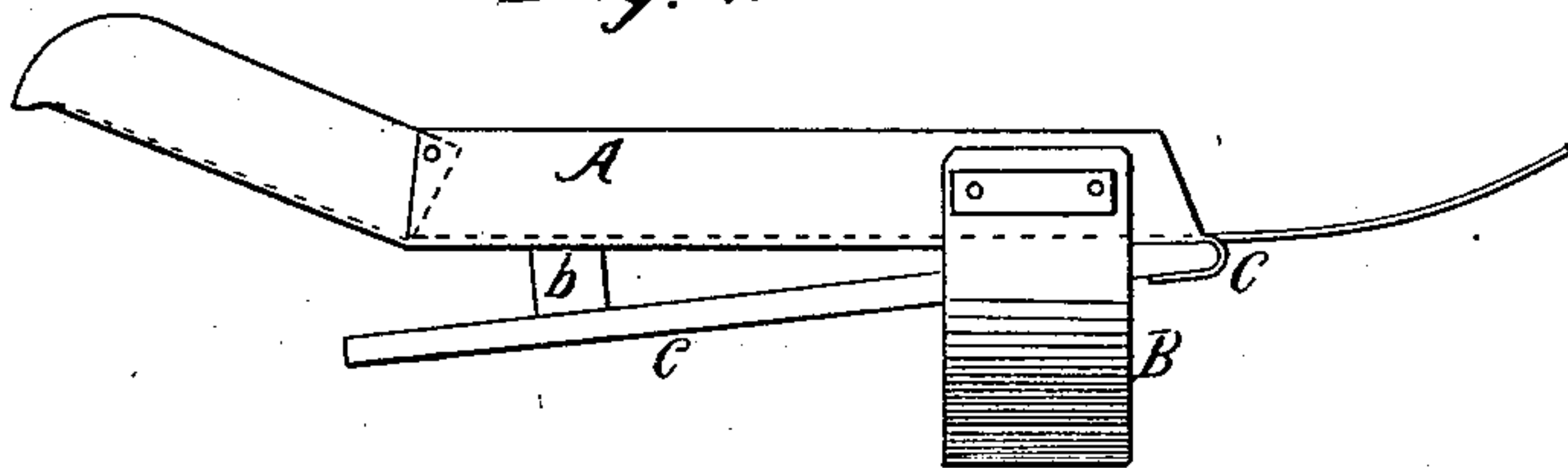


Fig. 2.

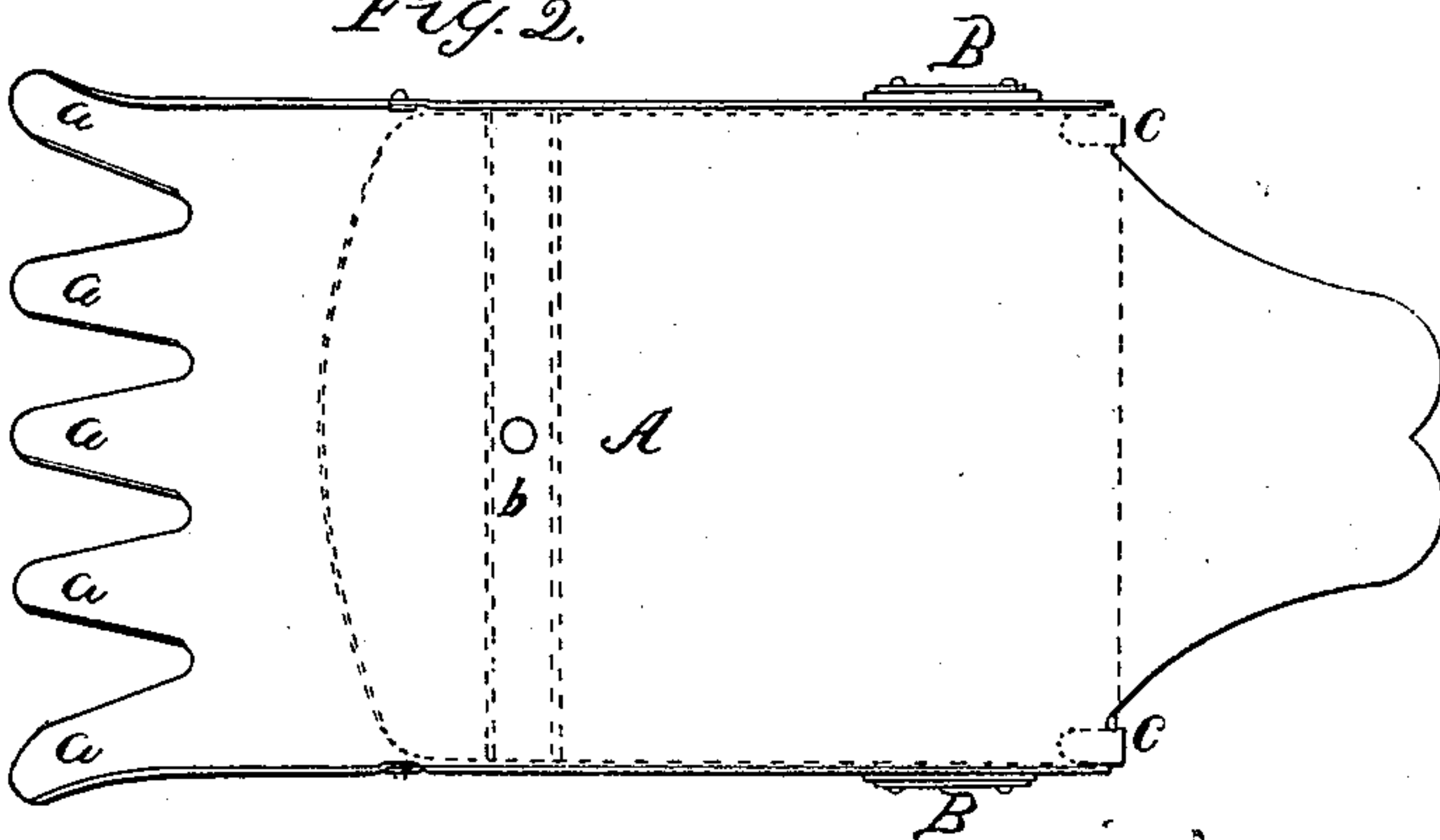
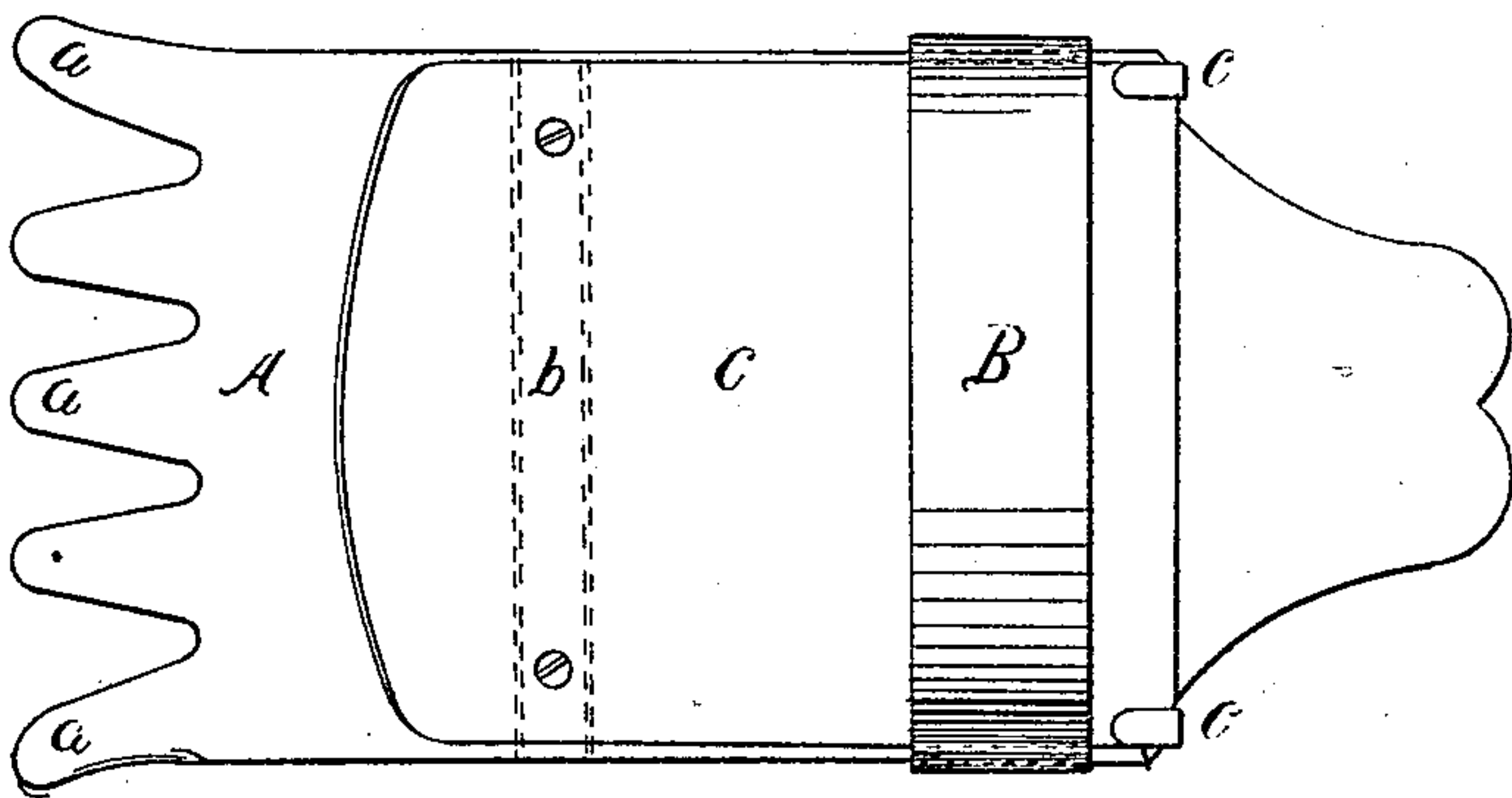


Fig. 3.



Witnesses.
J. M. P. v. r.
J. K. S. n. o. v.

Inventor.
G. H. Roth.
by his attorney.
N. W. T. a. d. y.

United States Patent Office.

GUSTAVE H. ROTH, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 79,398, dated June 30, 1868.

HAND COAL-SIFTER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, GUSTAVE H. ROTH, of Boston, in the county of Suffolk, and State of Massachusetts, have invented a new and useful Hand Coal-Sifter; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side elevation,

Figure 2 a top view, and

Figure 3 a plan or under side view.

It consists, first, of a scoop, A, of metal, and with teeth or prongs, *a, a*, &c., arranged at one end of it; second, of a strap or loop, B, fixed, at or near its ends, to the scoop, and arranged therewith, as shown in figs. 1, 2, and 3, third, of a hand-guard, C, or plate of wood or other proper heat-non-conducting material, affixed to the under side of the scoop-hooks *c c*, and to a wooden bar, *b*, the whole being arranged with the scoop and the strap or loop B, in manner as shown in the drawings.

In using this lifter, a pair of them is to be employed, one for each hand, the hand being passed through the loop B, with the fingers and palm resting against the guard C. Then, by scooping up the ashes with both the sifters, and moving them laterally with quick reciprocating motions, the finer parts of the mass may be sifted through the spaces between the teeth, leaving the coal or coarser portions in the scoop.

These sifters have been found to be very efficient for the purpose for which they are intended.

I claim the arrangement and combination of the hand-loop B, the guard C, and the scoop A, made and provided with teeth, the whole being substantially as and for the purpose described.

G. H. ROTH.

Witnesses:

F. P. HALE, Jr.,

A. C. BOTH.