

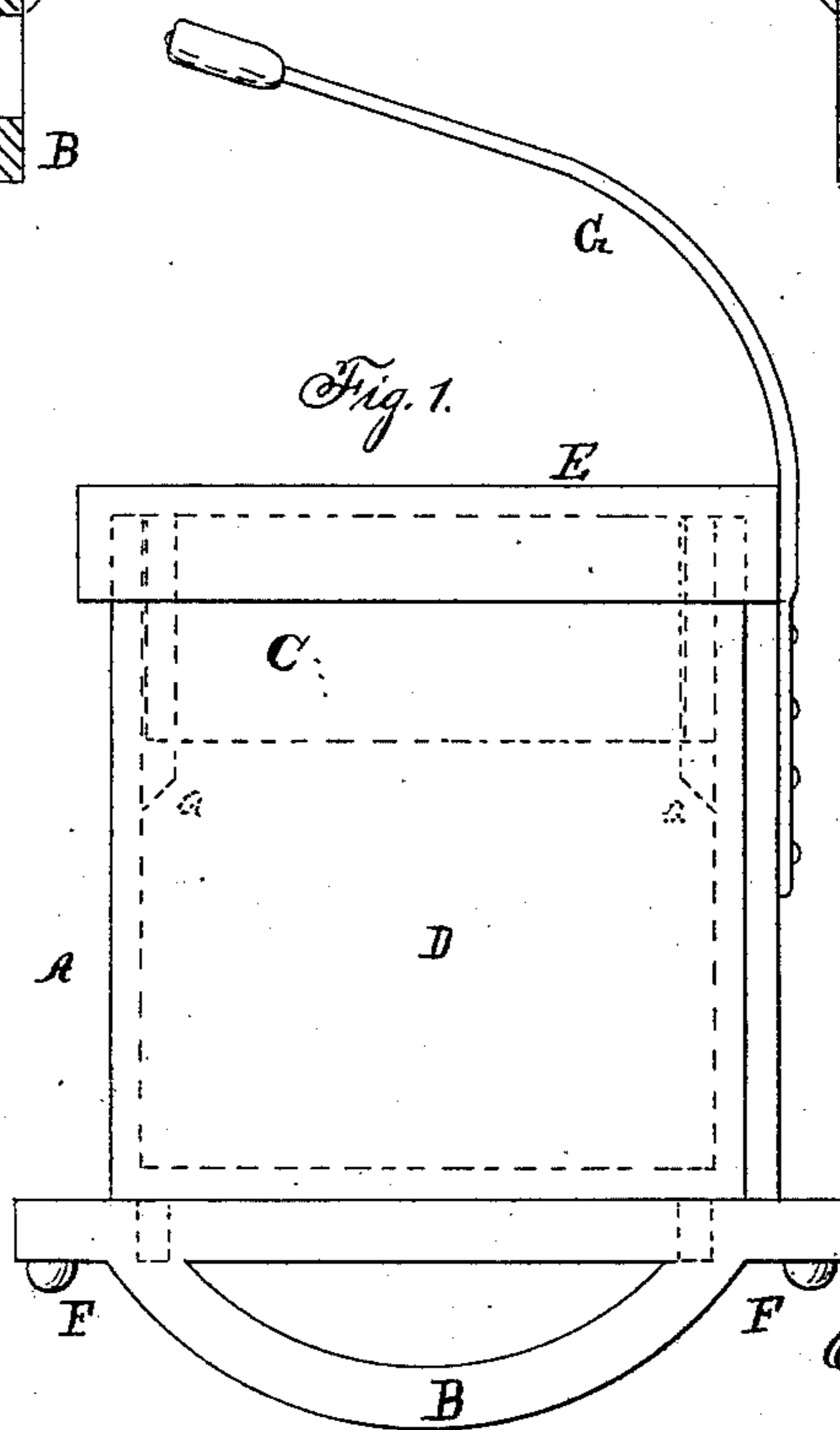
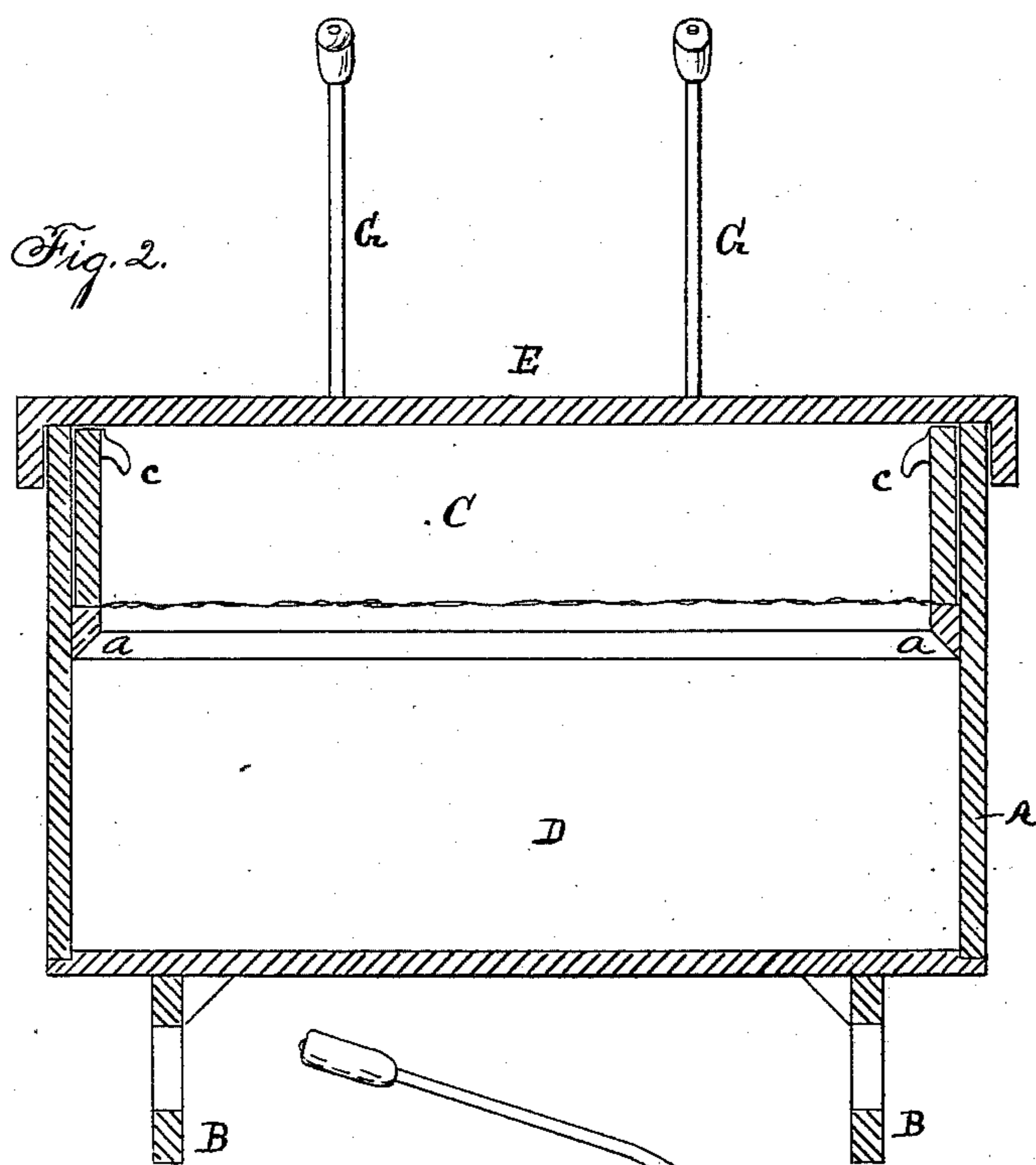
(No Model.)

E. BATESON.

ASH SIFTER.

No. 297,054.

Patented Apr. 15, 1884.



Witnesses:
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UNITED STATES PATENT OFFICE.

ELIZABETH BATESON, OF DETROIT, MICHIGAN.

ASH-SIFTER.

SPECIFICATION forming part of Letters Patent No. 297,054, dated April 15, 1884.

Application filed September 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, ELIZABETH BATESON, of Detroit, county of Wayne, State of Michigan, have invented a new and useful Improvement in Ash-Sifters; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to improvements in that class of sifters for coal, ashes, and other material which are composed of a receiving-receptacle mounted on rockers, and a sifting-screen forming the bottom of a removable frame which is adapted to set in the upper portion of the receiving-receptacle.

The object of my invention is to render such sifters more desirable and effective in operation, to which end the invention consists, essentially, in the combination of a receiving-receptacle provided with a cover, a sieve arranged within the receptacle, rockers under the latter, and elastic stops outside the receptacle, whereby dust is prevented from escaping during the sifting operation, and a rebound is imparted to the apparatus in such manner that it will be aided in assuming its normal upright position after it has been rocked to either side, and the separation of the ashes from the cinders materially assisted.

The invention further consists of other features of combination, which will be fully hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is an end elevation of a sifting apparatus embodying my invention; Fig. 2, a vertical longitudinal sectional view of the same.

Referring to the drawings, A indicates a receiving receptacle or box of any desired form or shape, which is rigidly attached to and mounted upon rockers B B. The sifting-screen or sieve C is arranged within the receptacle or box, and is provided with supports *a*, leaving a space, D, below the sieve for the reception of the dust or ashes. The receptacle is provided with a movable cover, E, so that when in use the apparatus is closed and no dust or ashes can escape, which would obviously be

annoying and objectionable. To each end portion of the rockers B, outside of the receptacle, is attached an elastic stop, F, composed of a block of rubber or similar material, which serves to impart rebounding movements to the apparatus, whereby it will be aided in assuming its normal upright position after it has been rocked to either side, and the separation of the ashes from the cinders is also materially assisted by such rebounding movements. The apparatus easily and effectually accomplishes the work desired, and by allowing the dust or ashes to settle before the cover is removed, no dust or ashes of consequence will escape, and annoyance from such source is avoided, and after the cover is removed the sieve can be lifted out of the receiving-receptacle by means of suitable handles, *c c*, which handles, however, are not essential and form no part of the invention. The handles G G are secured to the receiving-receptacle for rocking the apparatus, such handles being preferably curved over the top of the receptacle, as shown, to bring them into a convenient position to be manipulated.

By providing the rockers B below the bottom of the receiving-receptacle, the latter is elevated from the floor and relieved of frictional contact therewith, and by the provision of the elastic stops F the usefulness of the apparatus is materially increased, as before described.

Having thus described my invention, what I claim is—

1. The combination of the receiving-receptacle provided with a cover, the sieve within the receptacle, the rockers below the bottom thereof, and the elastic stops outside of the receptacle, substantially as described.

2. The combination of the receiving-receptacle provided with the cover and operating-handles, the sieve within the receptacle, the rockers below the bottom of the receptacle, and the elastic stops outside of the receptacle, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

ELIZABETH BATESON.

Witnesses:

N. S. WRIGHT,
A. E. FRENCH.