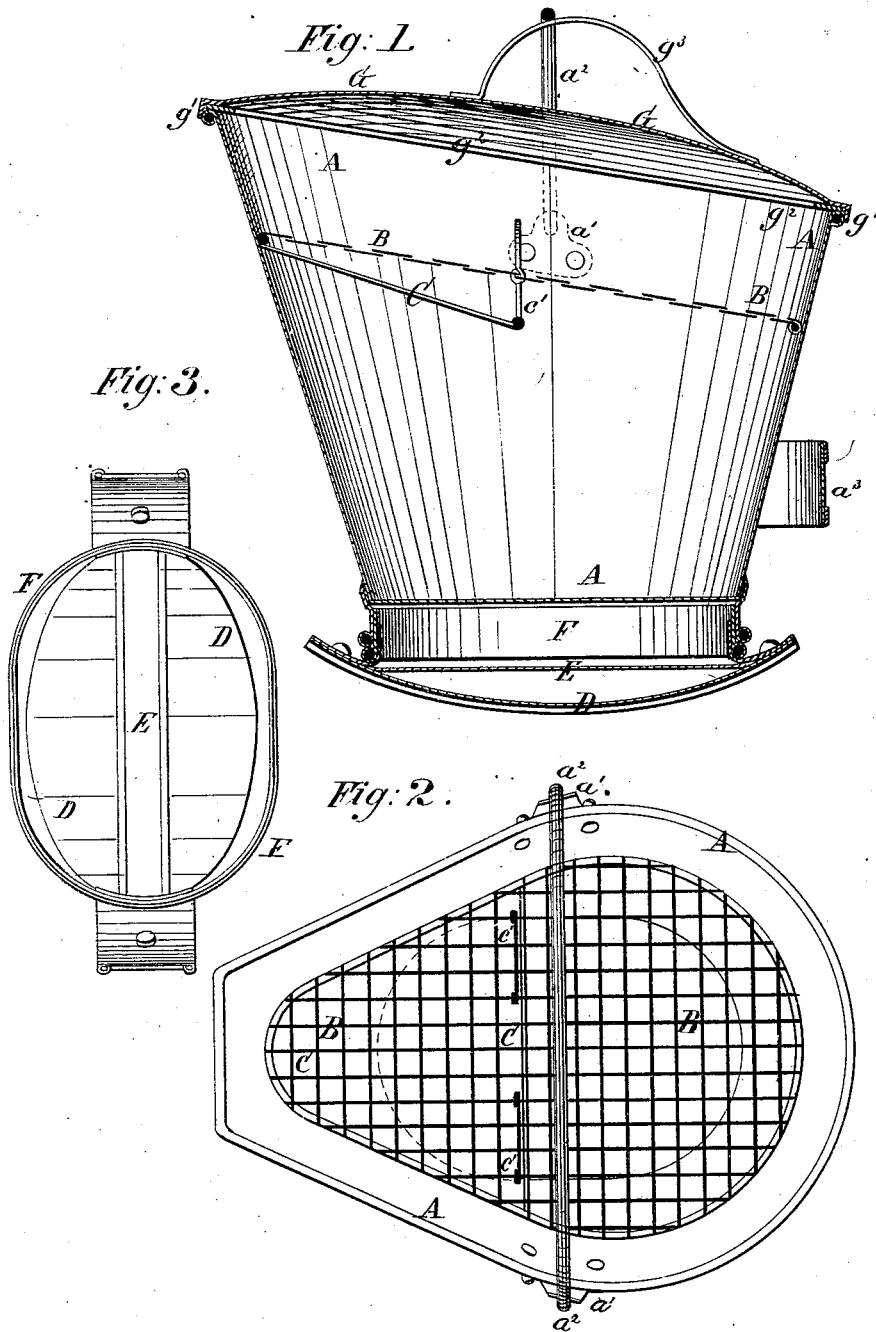


B. R. TENNEY.  
Ash-Sifter.

No. 206,502.

Patented July 30, 1878.



WITNESSES:

*Achilles Schehl.*  
*C. Sedgwick.*

INVENTOR:

*B. R. Tenney*  
BY *Munn & Co*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

BENJAMIN R. TENNEY, OF POUGHKEEPSIE, NEW YORK, ASSIGNOR TO  
JANE ANN TENNEY, OF SAME PLACE.

## IMPROVEMENT IN ASH-SIFTERS.

Specification forming part of Letters Patent No. 206,502, dated July 30, 1878; application filed  
June 26, 1878.

*To all whom it may concern:*

Be it known that I, BENJAMIN ROWE TENNEY, of Poughkeepsie, in the county of Dutchess and State of New York, have invented a new and useful Improvement in Adjustable Rocking Ash-Sifter, of which the following is a specification:

Figure 1 is a vertical longitudinal section of a coal-scuttle to which my improvement has been applied. Fig. 2 is a top view of the same, the cover being removed. Fig. 3 is a detail top view of the rocking attachment.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish attachments for coal-scuttles and other vessels which will enable them to be used for sifting the unburned coal from the ashes in the room where the coal was burned, and even upon a carpet, without allowing any fine ashes to escape into the room, and which shall be simple in construction and convenient in use.

The invention consists in the combination of the detachable wire screen and inclined apron with a coal-scuttle, box, or other vessel; and in the combination of the rocker formed of the curved plate, the straight bar or plate, and the flange with the bottom of a coal-scuttle, box, or other vessel, as hereinafter fully described.

I will describe my invention as applied to a coal-scuttle, but do not wish to limit myself to that application, as it may be applied to boxes or other vessels of various shapes and sizes, made either of metal or wood, with equal facility and advantage, the form of the attachments being varied accordingly.

A represents a coal-scuttle, which may be of any desired shape and size. B is a wire screen, of such a size and shape as to fit into the upper part of the scuttle A and rest upon its inclined sides. The edge of the screen B is strengthened and stiffened with wire.

C is an inclined apron, which fits into the forward part of the scuttle A. The forward edge of the apron C is secured to the forward edge of the screen B, and its rear or inner edge is supported from the said screen B by wires *c'*, the said wires being made of such a

length as to give the desired inclination to the apron C.

The wires *c'* may extend above the screen B, to serve as handles for putting the screen in and taking it out; or other handles may be attached to the screen A for this purpose.

D is a plate, which is curved to serve as a rocker, and which is strengthened and stiffened by a narrow horizontal or straight plate, E, the ends of which are attached to the end parts of the said curved plate D.

To the plates D E is attached a ring-flange, F, of such a shape as to fit into or upon the base-flange of the scuttle A, so that the said rocking device may be attached and detached, as may be desired.

G is a cover for the scuttle A, the rim or flange *g'* of which is so formed as to fit upon the outer side of the top of the said scuttle. The cover G is provided with a packing, *g''*, of felt or other suitable material, to rest upon the edge of the scuttle A and make the joint dust-tight. The cover G is provided with a handle, *g'''*, for convenience in putting it on and taking it off.

To the opposite sides of the upper part of the scuttle A are attached ears *a'*, to which are hinged the ends of the bail *a''*. The bail *a''* is made of such a length that when swung over the cover-handle *g'''* it may rest upon the said handle, and thus hold the cover G securely in place.

To the rear side of the scuttle A is attached a handle, *a'''*, for convenience in dumping it.

In using the device the ashes are removed from the ash-pan of the stove, heater, or furnace, and are put into the scuttle A, the cover G is put on, and the scuttle is rocked briskly a few times. After the fine ashes have had time to settle, the cover G is taken off and the coal above the screen B is poured off, the apron C preventing any ashes from escaping with the coal.

When not required for use as a sifter, the cover G, the screen and apron B C, and the rocker D E F are detached, leaving an ordinary coal-scuttle.

Having thus described my invention, I claim

as new and desire to secure by Letters Patent—

1. The combination of the detachable wire screen B and inclined apron C with a coal-scuttle, box, or other vessel, A, made either of metal or wood, substantially as herein shown and described.

2. The combination of the rocker formed of the curved plate D, the straight bar or plate

E, and the flange F with the bottom of a coal-scuttle, box, or vessel, A, made either of metal or wood, substantially as herein shown and described.

BENJAMIN ROWE TENNEY.

Witnesses:

CHAS. H. WHEELER,  
L. P. SHOPPELL.