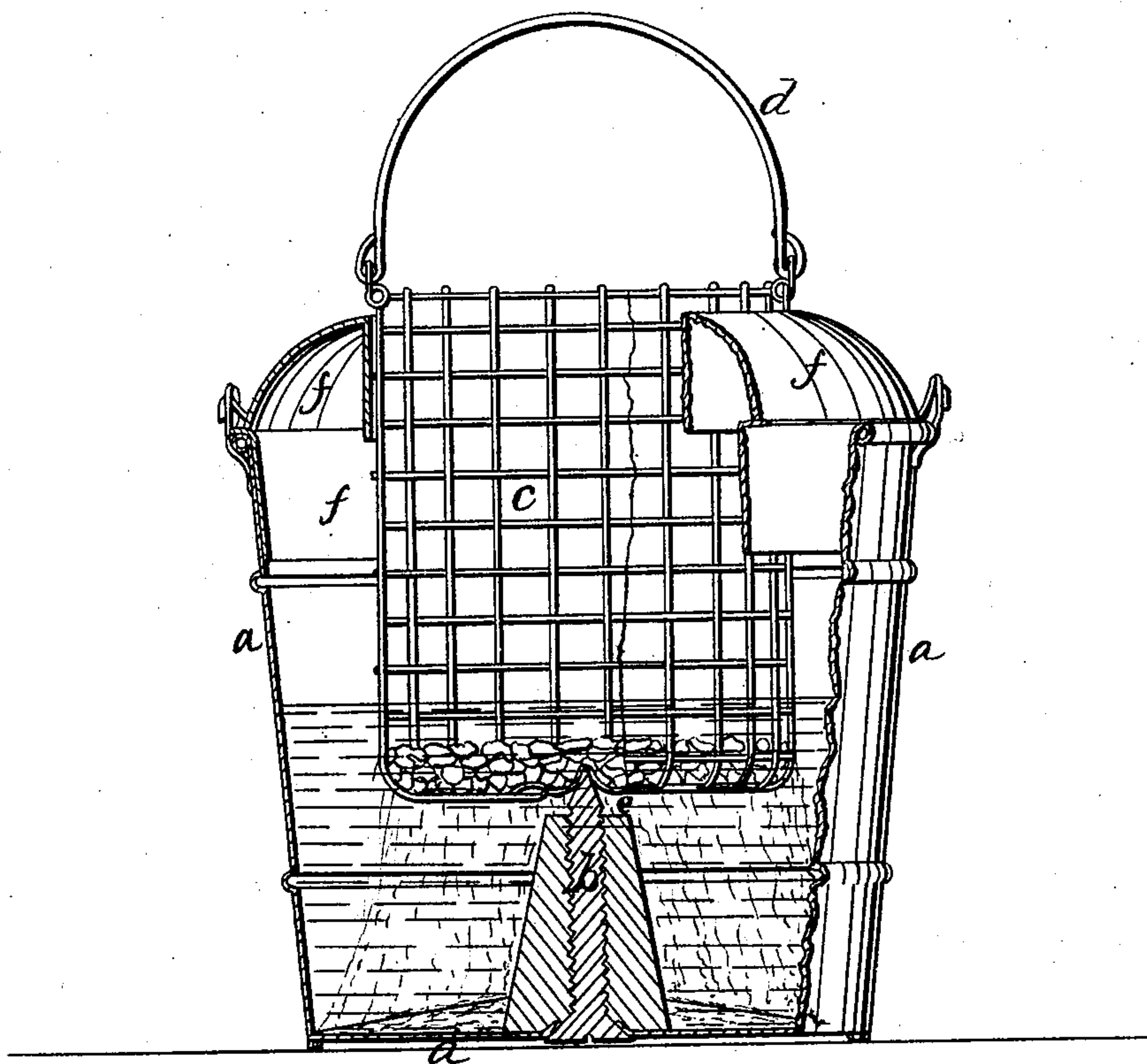


J. M. Meschutt,
Cinder Washer.
N^o 41,852. Patented Mar. 8, 1864.



Witnesses;
Lemuel W. Serrell
Chas. H. Smith

Inventor;
J. M. Meschutt

UNITED STATES PATENT OFFICE.

JAMES M. MESCHUTT, OF NEW YORK, N. Y.

IMPROVEMENT IN CINDER-WASHERS.

Specification forming part of Letters Patent No. **41,852**, dated March 8, 1864; antedated February 20, 1864.

To all whom it may concern:

Be it known that I, JAMES M. MESCHUTT, of the city and State of New York, have invented, made, and applied to use a certain new and Improved Cinder-Washer; and I do hereby declare the following to be a full, clear, and exact description of my said invention, reference being had to the annexed drawing, making a part of this specification, wherein I have represented a vertical section of my said invention as in use.

Cinders have heretofore been sifted in order to separate the ashes from the coal. This operation is laborious and produces a large amount of dust, and does not thoroughly clean the ashes from the coal, besides which accidents often occur from heated cinders in cinder-sifters and ash-receptacles.

The nature of my said invention consists in a revolving or oscillating screen or bucket, moving on a center in a pail or other receptacle for water, whereby the ashes are quickly separated from the coals by the buoyant action of the water on the coals, loosening the mass so that the water can penetrate easily, and by aid of the motion given to the bucket wash away and entirely remove the ashes from the coals, rendering them clean and avoiding all risk from smoldering embers. By my cinder-washer much more coal is saved, because the agitation required is so little that the cinders are not ground and broken up, as heretofore.

In the drawing, *a* is a pail or othersuitable

receptacle for water, in which is secured the center-point *b*.

c is a bucket or receptacle for the ashes and cinders. This is formed with a handle, *d*, and with a conical piece of metal, *e*, in the bottom.

f is a movable ring that may be applied around the cinder-receptacle between that and the pail, to guide and steady said receptacle.

Cinders and ashes being placed in said receptacle and that introduced into the water in the bucket *a*, the cone *e* resting on the point *b*, the attendant gives the said buckets several rotations or oscillations, which thoroughly wash out and remove the ashes, because the coals lie loosely in the bucket, and the said coals are quickly cleaned by the action of the water and a slight rotation or oscillation.

Dust and risk of fire are prevented by my apparatus, and much labor is avoided. My apparatus is cheap, easily made, and portable.

What I claim, and desire to secure by Letters Patent, is—

The rotary or oscillating bucket or ash-receptacle *c*, sustained by and moved on the center-pin *b*, in a pail or water-receptacle for washing cinders, as set forth.

In witness whereof I have hereunto set my signature this 4th day of August, 1863.

J. M. MESCHUTT.

Witnesses:

LEMUEL W. SERRELL,
CHAS. H. SMITH.