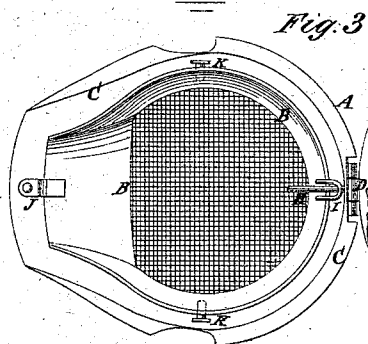
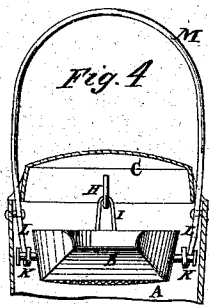
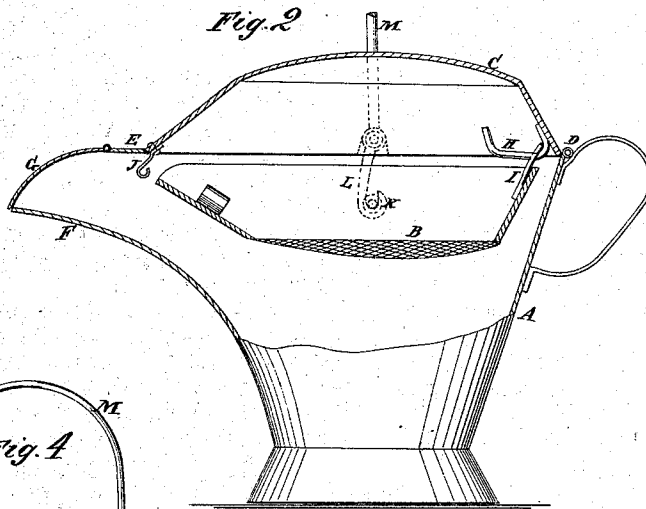
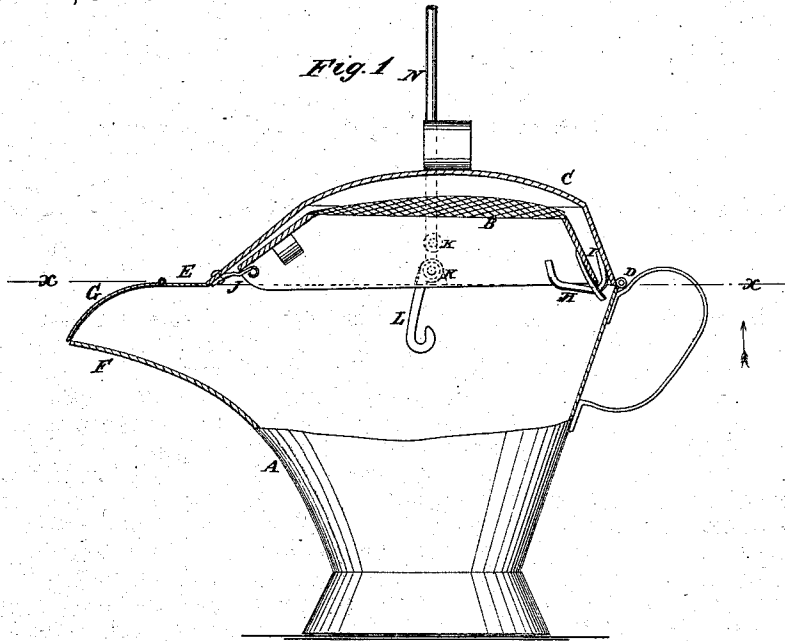


S. WRIGHT.
Coal-Scuttles.

No. 154,817.

Patented Sept. 8, 1874.



Witnesses:
A. W. Amqvist
Edgwick

Inventor:
S. Wright
Per *M. M. M.*
Attorneys.

UNITED STATES PATENT OFFICE.

SOLOMON WRIGHT, OF POWNAL, VERMONT.

IMPROVEMENT IN COAL-SCUTTLES.

Specification forming part of Letters Patent No. **154,817**, dated September 8, 1874; application filed January 17, 1874.

To all whom it may concern :

Be it known that I, SOLOMON WRIGHT, of Pownal, in the county of Bennington and State of Vermont, have invented a new and useful Improvement in Combined Coal Scuttle and Screen, of which the following is a specification:

This invention relates to the construction of combined coal-scuttles (or "hods") and coal-screens; and consists of a coal-scuttle having a screen or sieve so combined therewith that it may be reversed while suspended, and be agitated within the scuttle, and be disposed of within the scuttle-cover so as to be out of the way when not required for use.

In the accompanying drawing, Figure 1 is a side view, partly in section, showing the screen turned up or out of the way. Fig. 2 is a side view, partly in section, showing the screen turned down, as when in use for screening. Fig. 3 is a horizontal section of Fig. 1, taken on the line *x x*, looking in the direction indicated by the arrow. Fig. 4 is a detail view, showing more distinctly the manner of suspending the screen.

Similar letters of reference indicate corresponding parts.

A is the coal-scuttle. B is the screen. C is the cover of the scuttle, which closes tightly down onto the rim. This cover is attached to the rim of the scuttle by a hinge, D, and shuts down onto the stationary piece E when closed. The spout of the scuttle, F, is closed by the small cover G, which is hinged to the stationary piece E. The screen is attached to the under side of the cover by means of a hook, H, and a staple, I, the former being attached to the cover and the latter to the screen. The screen is fastened up in the cover, as seen in Fig. 1, by a button, J. The screen works on the hook and staple so loosely that when it is unbuttoned it may readily be reversed and brought down into the body of the scuttle, as seen in Fig. 2. K is a button-rivet on two opposite sides of the screen. When the screen is brought down to the position seen in Fig. 2 these button-rivets catch in the hooks L,

which hooks are formed by extending the ends of the bail M below the ordinary bail-pivots N. When the screen is thus lowered the bail should be in an upright position, as seen in Fig. 2. When in this position the screen is ready for operation, as the cover may be now raised, and the ashes and incombustible portions of the fuel may be shoveled into it. The cover being closed, a longitudinal motion is given the screen by vibrating the bail. This motion of the screen is limited by the length of the hook H, but the main support of the loaded screen is the hooks L on the ends of the bail. When the ash has been sifted from the screen the residue may be returned to the stove or grate, as it will readily slip from the screen through the spout of the scuttle. The screen is now reversed and turned up into the cover, as seen in Fig. 1, where it is entirely out of the way. The ashes are carried out and the coal brought in, as with ordinary coal-scuttles.

The coal-scuttle being tightly closed, this sifting or screening may be done in the room without raising a dust.

Much coal is wasted because facilities for screening or sifting out the ashes are so inconvenient, and in most cases all that is taken from the ash-pan is dumped onto the ash-heap. With this combined coal scuttle and screen the necessary conveniences are always at hand for sifting and thoroughly separating the coal (which has passed through the grate) from the ashes and other incombustible particles.

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

The combination, with scuttle-body having stationary piece E, of the hinged convex cover C and screen B, attached together, and the latter reversible in the former, as and for the purpose described.

SOLOMON WRIGHT.

Witnesses:

T. B. MOSHER,
ALEX. F. ROBERTS.