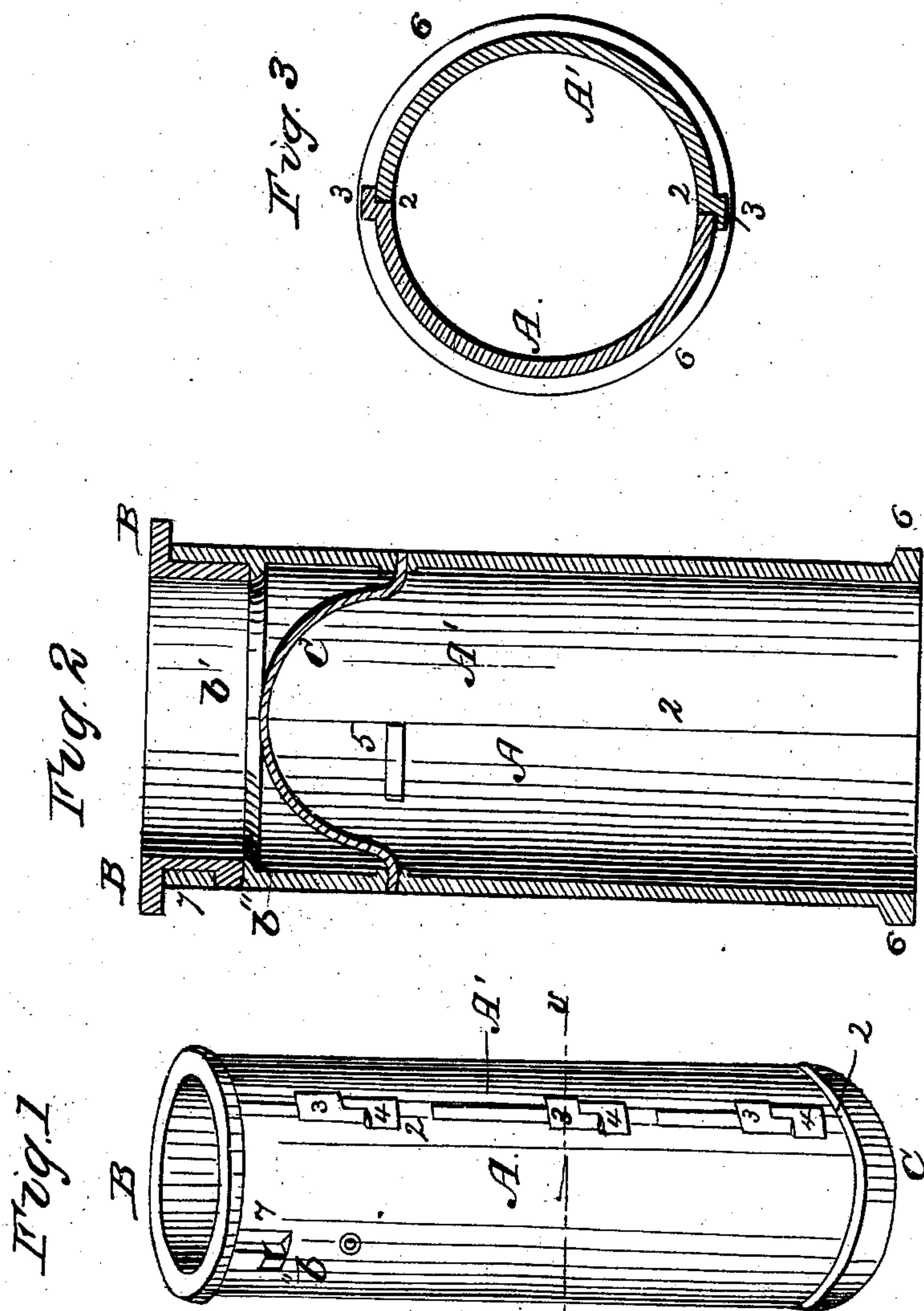


T. J. COULSTON.
 Fuel Resevior for Stoves.

No. 93,599.

Patented Aug. 10, 1869.



Witnesses
 Jesse Furkbiner
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United States Patent Office.

THOMAS J. COULSTON, OF SPRINGVILLE, ASSIGNOR TO E. S. SHANTZ AND JOSEPH JOHNSON, OF ROYER'S FORD, PENNSYLVANIA.

Letters Patent No. 93,599, dated August 10, 1869; antedated May 25, 1869.

IMPROVEMENT IN FUEL-RESERVOIRS OF BASE-BURNING STOVES.

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

To all whom it may concern:

Be it known that I, THOMAS J. COULSTON, of Springville, in the county of Chester, and State of Pennsylvania, have invented a new and useful Improvement in the Fuel-Feeding Reservoir of a Magazine-Stove; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view;

Figure 2, a central vertical section; and

Figure 3, a horizontal section on the dotted line *v-v* of fig. 1 of the said reservoir.

Like letters and numbers of reference indicate the same parts when in the different figures.

The object of my improvement is to lessen the cost of constructing the fuel-feeding reservoir of a magazine-stove, and to facilitate in the application of the same to and its withdrawal from the stove, as occasion may require; and

The nature of my invention consists, substantially as hereinafter described, in constructing the body of the reservoir in separate halves adjustable together by interlocking projections cast simultaneously with and upon the said halves; in providing for its suspension in a stove by means of a detachable flange secured to the upper end of the reservoir; and in the application, to the interior of the upper end of the reservoir, of a bail, to serve as a means in lifting the said reservoir into and out of the stove.

Referring to the drawings—

A and A' are the two halves of the body of the reservoir;

B, the detachable flange;

C, the bail; and

3 4, the interlocking projections on the said two halves A and A'.

The two halves A A' are cast separately, and with their interlocking projections 3 4, so that when the two respective edges of the said halves are placed against each other longitudinally, and then slipped a short distance in opposite directions in line with their lengths, the projections 3 4 will interlock with each other, and thus hold the said halves firmly together. (See fig. 1.)

The detachable flange B, with its downward-projecting portion *b'*, is cast in one piece, so that the same can be slipped with facility into the open upper end of the interlocked parts A A', and has also cast upon two of its opposite outer sides a stud, *b''*,

which, when the flange B is being applied, slip down in corresponding L-shaped slots, 7, and, on their turning the flange B around, pass into the horizontal portions of the said slots in the manner of a bayonet-catch, and thus secure the two parts A and A' permanently together, and the said flange firmly upon the upper ends of the said interlocked parts A A', as shown in fig. 1.

The bail C has its ends inserted in holes in two opposite sides of the parts A and A', and, when turned down, it rests upon a projection, 5, cast on one side of the interior of A and of A'.

The lower end, 6, of each of the halves A A', is cast thicker than its upper portion, for the purpose of better withstanding the incandescent fuel.

It will be seen, that by means of the interlocking projections 3 4, the two halves A A' of the reservoir can be readily adjusted and secured closely together, thus avoiding the consumption of the time and the expense heretofore required in drilling and securing similar halves together by ears and rivets, or studs and keys; that the flange B, being attached by means of the studs *b''* and slots 7, the reservoir can be readily suspended thereby in the stove, and at the same time the two halves be prevented from becoming disconnected from each other; that it can be withdrawn and the said parts separated, with instant facility; and that the bail C will afford a ready means in lifting the said reservoir either into or out of the stove, an operation often required in magazine-stoves.

Having thus fully described my improvement,

What I claim as new, and desire to secure by Letters Patent, is confined to the following, viz:

1. I claim adjustably securing the two parts A and A' of the reservoir together by means of the interlocking projections 3 4, or their equivalents, constructed and operating together substantially as and for the purpose described.

2. The employment of the catches, each consisting of the parts *b''* and 7, in combination with the flange B and reservoir A A', the same being constructed and applied substantially as and for the purposes specified.

3. In combination with the reservoir A A', constructed as described, the bail C, applied and operating substantially as and for the purpose described.

THOS. J. COULSTON.

Witnesses:

JESSE FINKBINER,
WM. BROWER.