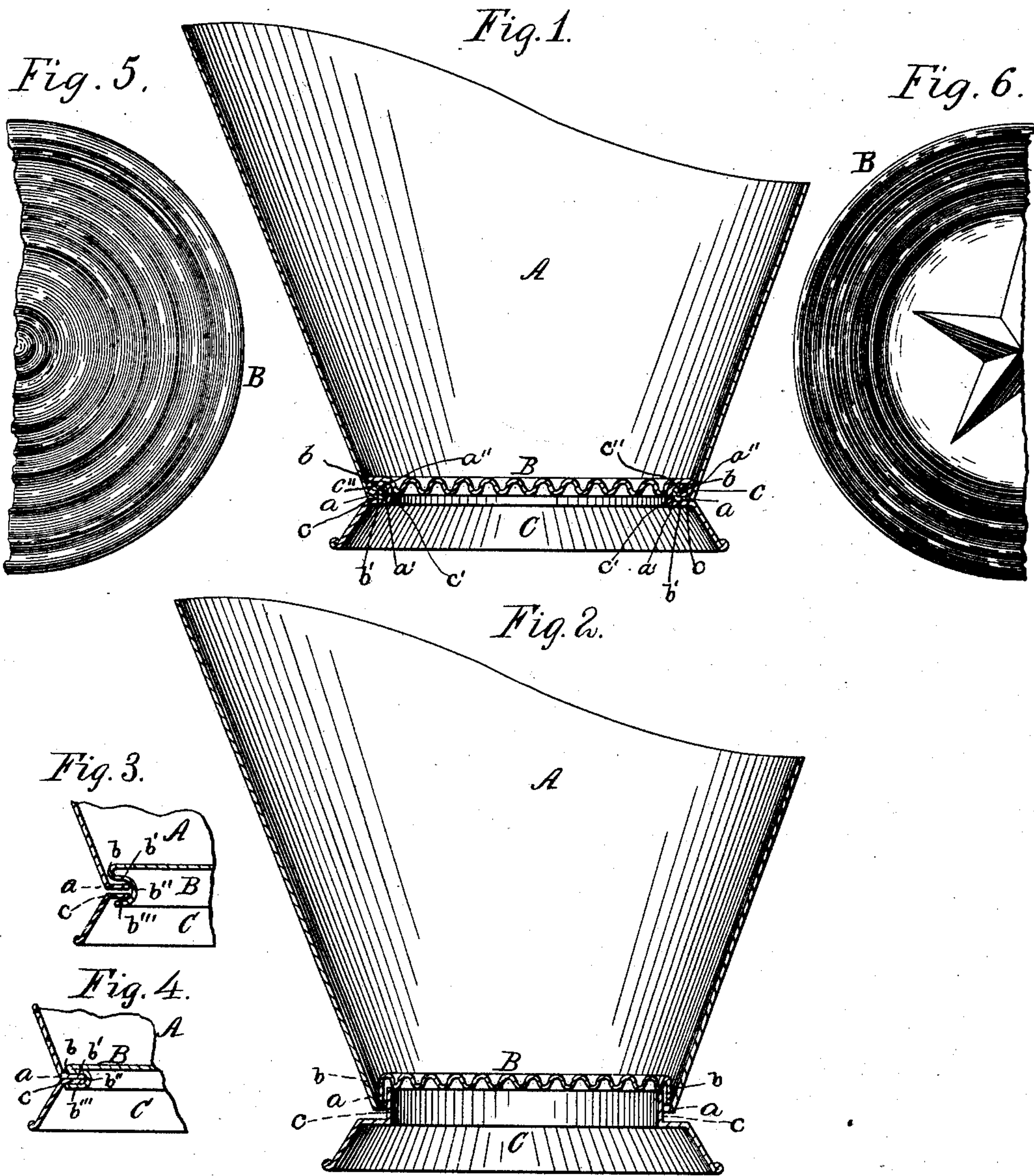


(Model.)

E. BARRATH.
COAL HOD.

No. 371,023.

Patented Oct. 4, 1887.



Witnesses:
J. Edwallader.
Alfred L. Rollwagen

Inventor:
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UNITED STATES PATENT OFFICE.

EDWARD BARRATH, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-HALF TO
VICTOR E. KNECHT, OF SAME PLACE.

COAL-HOD.

SPECIFICATION forming part of Letters Patent No. 371,023, dated October 4, 1887.

Application filed March 10, 1887. Serial No. 230,457. (Model.)

To all whom it may concern:

Be it known that I, EDWARD BARRATH, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Coal-Hods, of which the following is a specification.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1 is a vertical section of my improved hod, the seam being closed. Fig. 2 is a vertical section of the hod, the seam being open. Figs. 3 and 4 are detail vertical sections showing a modification, the seams being open and closed, respectively. Figs. 5 and 6 are top views of the bottoms shown in Figs. 1 and 2 and Figs. 3 and 4, respectively.

Similar letters of reference denote similar parts in the drawings.

My invention relates to unriveted seams, by which the foot, the bottom, and the body of a metal vessel—such as a coal-hod—are lapped together.

My invention consists in an improved unriveted seam of peculiar construction, as hereinafter described, and pointed out in the claims.

A is the body, having a lap formed with an inturned part, *a*, upturned part *a'*, and outturned part *a''*.

B is the bottom, formed with a downturned part, *b*, and inturned part *b'*.

C is the foot formed with an inturned part, *c*, upturned part *c'*, and outturned part *c''*.

The parts of the body and foot are lapped together, while the parts of the bottom lap the end parts of body and foot, and the parts of the body and foot lap the end part of the bottom.

In the modification shown in Figs. 3 and 4 the parts *a'' a'* of the body and the parts *c'' c'* of the foot are dispensed with, and the lap of the bottom is provided with an additional downturned part, *b''*, and an outturned part, *b'''*, so as to still lap the end parts of the body and foot.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. The combination of the body A, having a lap, the foot C, having a lap, and the bottom B, having a lap, embracing the laps of the body and foot, substantially as described.

2. The combination of the body A, having a lap formed with an inturned part, *a*, upturned part *a'*, and outturned part *a''*, the foot C, having a lap formed with an inturned part, *c*, upturned part *c'*, and outturned part *c''*, and the bottom B, having a lap formed with a downturned part, *b*, and inturned part *b'*, embracing the outturned parts of the body and foot, substantially as described.

The foregoing specification of my invention signed by me this 3d day of March, A. D. 1887.

EDWARD BARRATH.

Witnesses:

P. J. CADWALLADER,
WM. J. JONES.