

No. 844,714.

PATENTED FEB. 19, 1907.

G. J. DUFFETT.

COAL HOD.

APPLICATION FILED AUG. 13, 1904.

FIG. I.

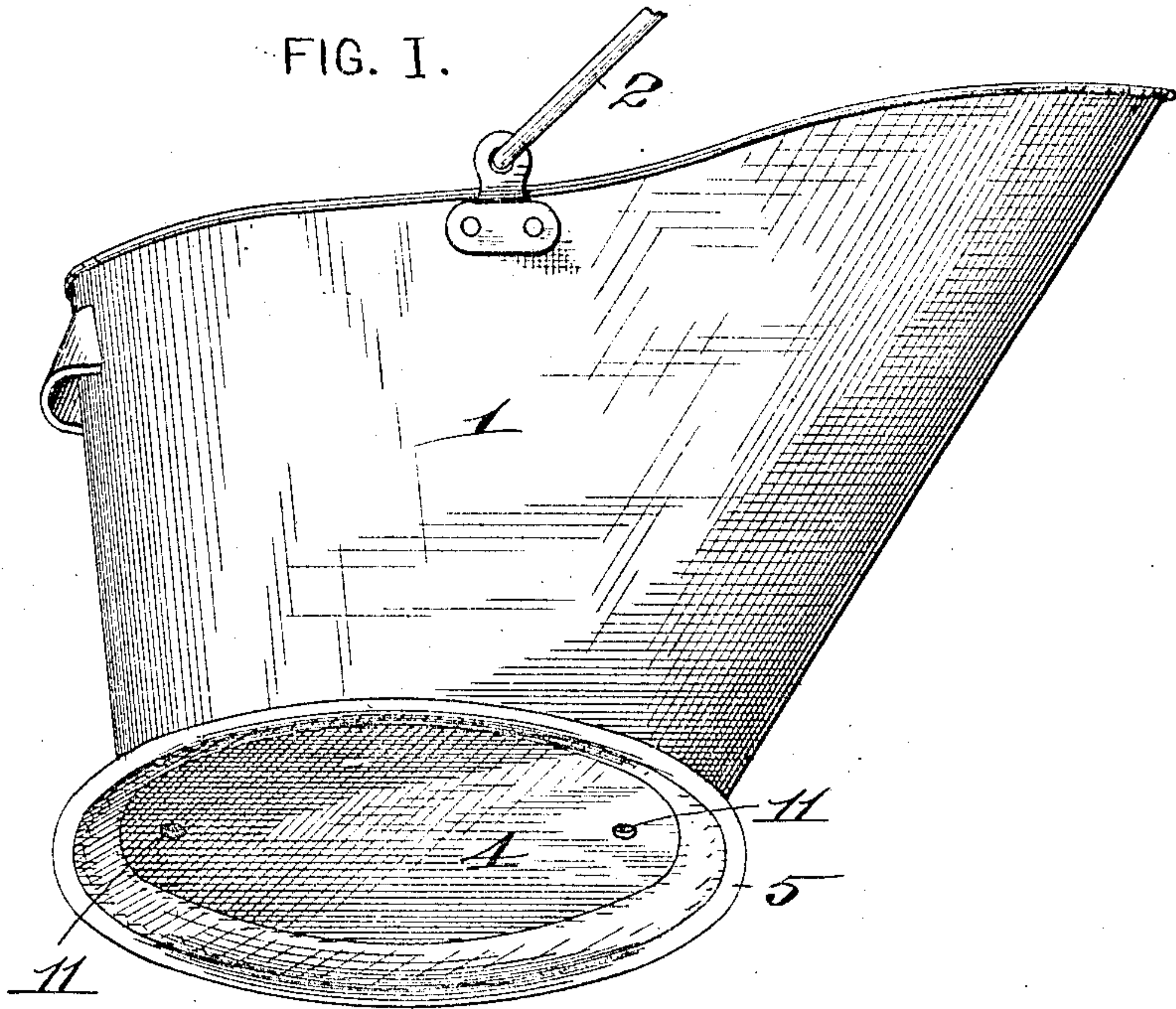


FIG. II.

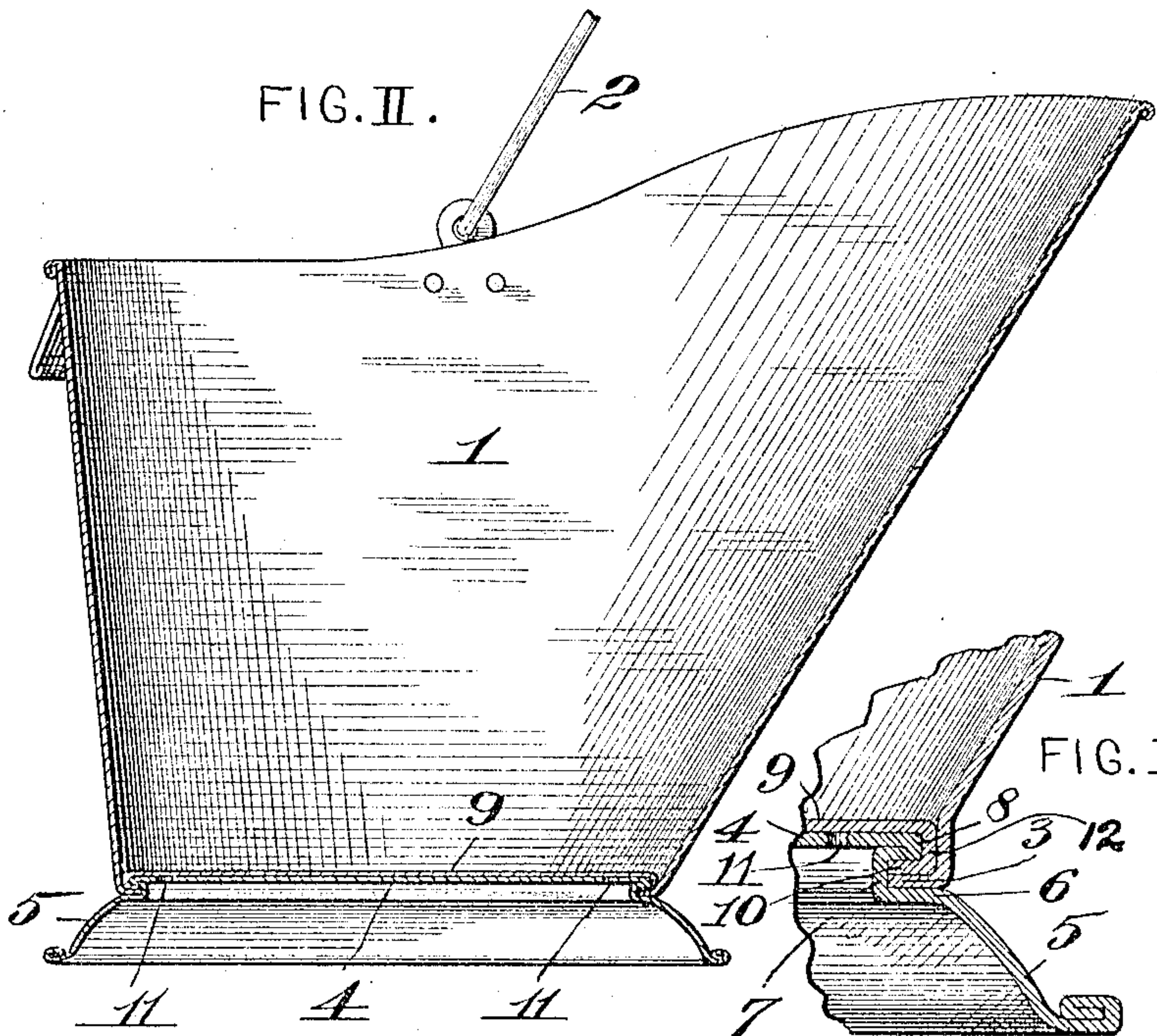
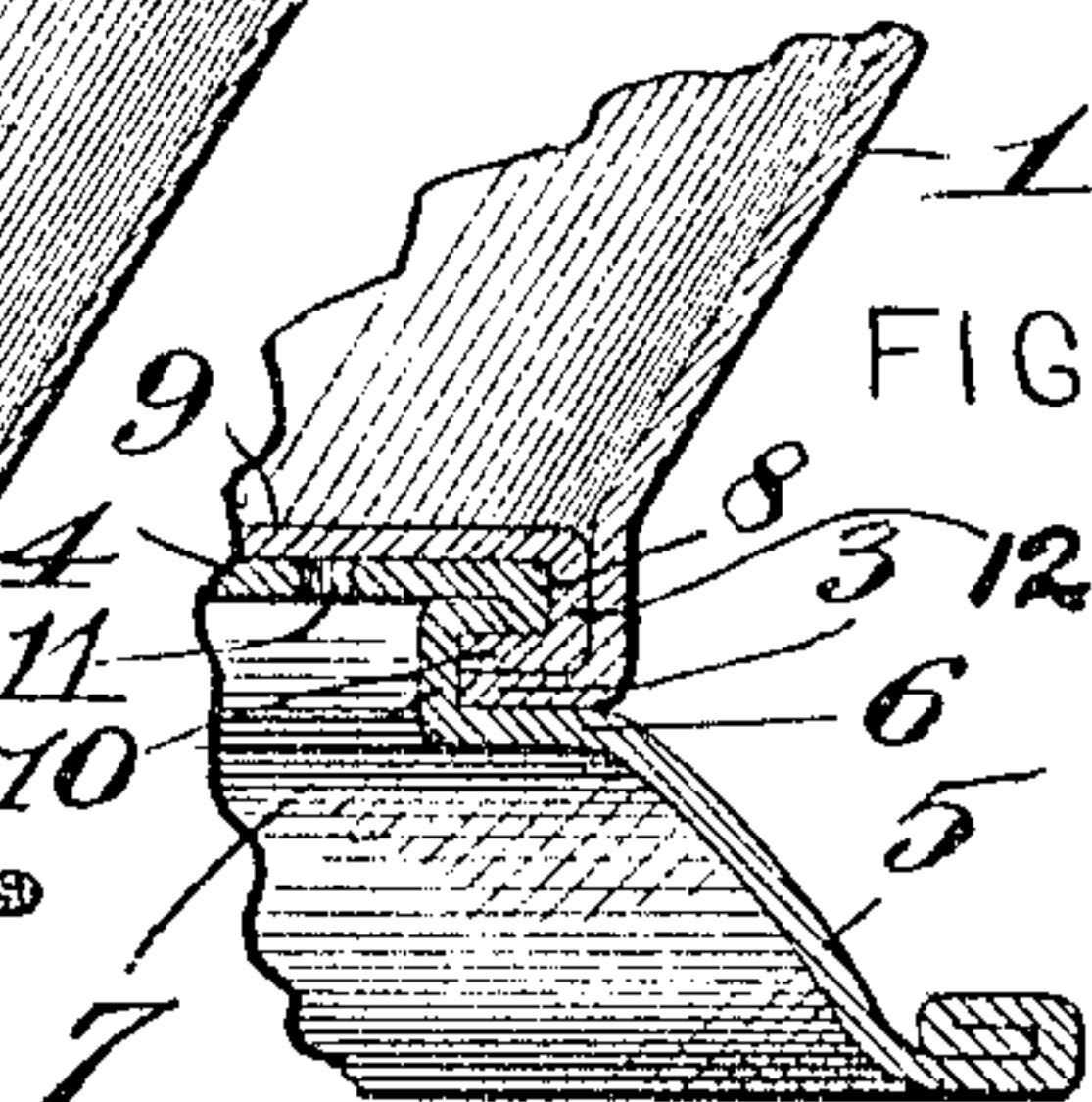


FIG. III.



ATTEST.

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## COAL-HOD.

No. 844,714.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed August 13, 1904. Serial No. 220,629.

*To all whom it may concern:*

Be it known that I, GEORGE J. DUFFETT, a citizen of the United States of America, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Coal-Hods, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a coal-hod having a double bottom to furnish a greater amount of strength and rigidity at the bottom of the hod, which is the point that receives the greatest strain in the use of the article. The invention further relates to the provision of air-holes in one sheet of the bottom of the hod to permit the escape of air from between the two bottom sheets during the process of manufacturing the hod, so that the two sheets may be caused to lie snugly against each other instead of being held apart by an expanded air-cushion between them.

Figure I is a perspective view of my coal-hod. Fig. II is a vertical longitudinal section. Fig. III is an enlarged vertical section of a portion of the bottom of the hod.

1 designates the body of my hod, which is of the usual shape and has applied to it a bail, as indicated at 2. The lower end of the hod-body is inturned to furnish an internal horizontal flange 3, as seen most clearly in Fig. III.

4 is the lower sheet of the bottom of the hod, the outer portion of which is formed into an annular rim 5. At the top of the rim 5 is a horizontal shoulder 6, which occupies a position beneath the internal horizontal flange 3. From the horizontal shoulder 6 the plate is bent upwardly, providing a neck 7 interior of the internal horizontal flange 3, and above said internal horizontal flange 3 the neck 7 is formed into a return horizontal bend 8, that joins the bottom sheet 4 and surrounds said internal horizontal flange 3.

9 is the upper sheet of the hod-bottom, which lies flatly upon the lower sheet 4 and the edge of which is downturned to provide an annular vertical flange 12 and inturned to furnish a horizontal tongue 10, that embraces the return horizontal bend 8 and rests upon the internal horizontal flange 3.

It will be seen that by the construction described a very secure seam is produced at the

junction of the hod-body and the double bottom, due to the internal horizontal flange of the body resting upon the horizontal shoulder of the annular rim and being confined between said horizontal shoulder and the surmounting return horizontal bend of the neck and the downturned vertical flange and inturned horizontal tongue of the upper sheet.

In one of the bottom sheets of my hod I form one or more free-vent perforations for confined air. These perforations are preferably produced in the supplemental bottom sheet, as indicated at 11. The purpose of providing such perforation or perforations is to prevent bulging of the bottom sheets due to the expansion of air present between the sheets when the hod is subjected to a galvanizing-bath for the purpose of giving it a preservative coating. As is well known, galvanizing-baths are always maintained in a heated condition when articles to be galvanized are dipped therein, and it is obvious that where two parts of an article are held in closely-assembled condition, when the article is dipped into the galvanizing-bath the air that is present between said parts will be expanded, due to the presence of heat, and cause one or both of the parts to be bulged outwardly. This bulging action would naturally be detrimental to the bottom sheets of my coal-hod; but by the provision of the perforation or perforations in one of the bottom sheets I completely overcome the objectionable action referred to, due to the air which would otherwise be confined between the bottom sheets finding ready vent when the coal-hod is dipped into a galvanizing-bath.

I claim as my invention—

1. In a coal-hod, the combination of a single-piece base comprising a bottom, and an annular rim, an inturned horizontal shoulder on the annular rim, an upturned neck on the inturned shoulder and joined to a return horizontal bend on the bottom part; a body having an internal horizontal flange surrounding the upturned neck and seating upon the inturned horizontal shoulder and an upper bottom sheet having a downturned vertical flange fitting between the body and the return horizontal bend, and an inturned horizontal tongue surrounding the upturned neck and fitting between the return horizontal bend and the internal flange, one of the

bottom sheets having a free perforation for the egress of air during manufacture of the hod.

2. A coal-hod comprising an annular rim  
5 formed with a lower bottom sheet, a body secured to the annular rim, and an upper bottom sheet secured to the annular rim, one

of the bottom sheets having a free perforation for the egress of air during manufacture of the hod.

GEORGE J. DUFFETT.

In presence of—

JAMES J. KEOUGH,

JOSEPH F. HOFFMANN.