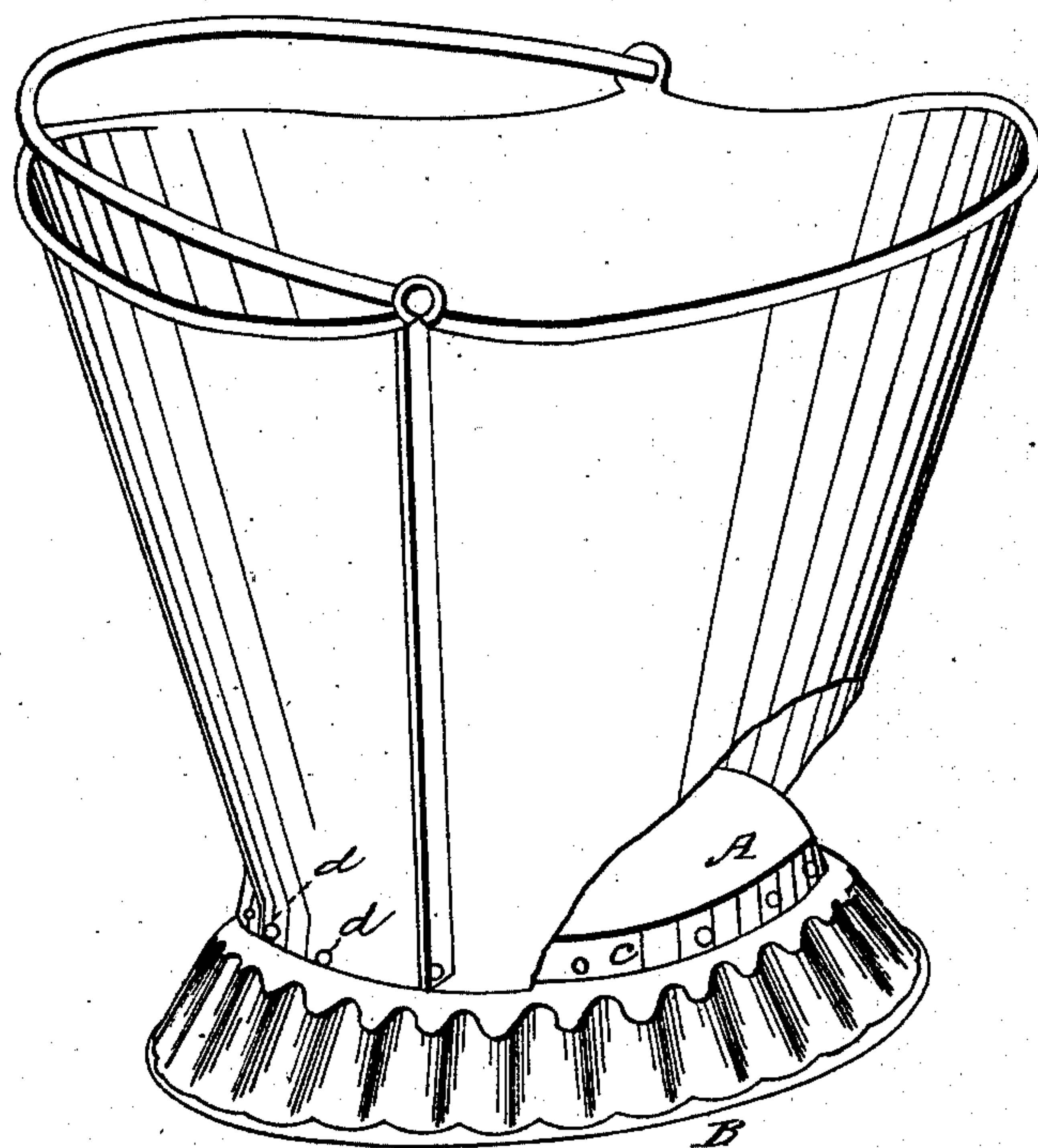


C. F. HENIS.
Coal Scuttle.

No. 60,003.

Patented Nov. 27, 1866.



Witnesses:

Osce Hase
Jm B. Shepard

Inventor:

Charles F. Henis

United States Patent Office.

COAL SCUTTLE.

CHARLES F. HENIS, OF CINCINNATI, OHIO.

Letters Patent No. 60,003, dated November 27, 1866.

SPECIFICATION.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES F. HENIS, of Cincinnati, in the county of Hamilton, in the State of Ohio, have invented a new and improved manner of constructing Coal Scuttles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in forming the bottom and foot of coal scuttles of one single piece of sheet metal, with a perpendicular shoulder of sufficient height to permit the side piece of the hod to be riveted to it without the necessity of turning a flange thereon; also in corrugating that portion forming the foot so as to facilitate forming or stamping it.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction.

I construct my improved coal scuttle of any of the well-known forms in all particulars except in the bottom and foot, A. This I make of one piece of metal, in a more durable manner than those heretofore made, as those in common use are made in three separate pieces; and require much more labor to secure together, and cannot be so securely fastened to the main body of the scuttle as the plan shown at A. In order to facilitate the forming or stamping of the bottom and foot, A, also, as well as to add stiffness to the said bottom and foot A, I corrugate the foot, as shown at B; this allows the metal, in the forming or stamping process, to more readily conform to the shape of the die, and therefore economizes in the material used, as the tearing or breaking of such material is thereby greatly reduced. The bottom and foot, A, has an offset around the upper edge, as shown at C, upon which the main body of the scuttle fits and is riveted, as seen at *d d*; said rivets passing through the lower edge of the body and the upper edge of the foot under the bottom when finished, making the outer surfaces of body and foot flush and even. The foot is wired around the lower edge or bottom in the usual manner, and the whole being neat, durable, and cheap.

I am aware that the bottoms of coal scuttles have been made of a single piece of cast iron; but this was not a practical mode, owing to the frequent breakage, and extra weight causing the rivets to get loose. I therefore do not claim such use of cast iron.

I am aware that the bottom and base of a sheet-metal vessel have hitherto been made in one piece, shaped by stamping or otherwise, but the body of such a vessel has always been secured thereto by solder or by turning a flange outward around the bottom of said body, through which rivets were passed into the base, as in the patent of Thomson Smith and Jennings, March 20, 1866. I therefore do not claim either of these methods, because to solder sheet iron is practically insufficient, and rivets in any other than a direction at right angles to the direction of strain will permit the joint to open.

By the method herein shown the parts may be manufactured with ease and facility, and the method of joining them insures a degree of efficacy and permanency not hitherto attained by similar means.

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

The coal hod, constructed with its body D fitted upon the shoulder C of the corrugated base B, as and for the purpose set forth.

CHARLES F. HENIS.

Witnesses:

OSCAR HASE,

WM. B. SHEPPARD.