

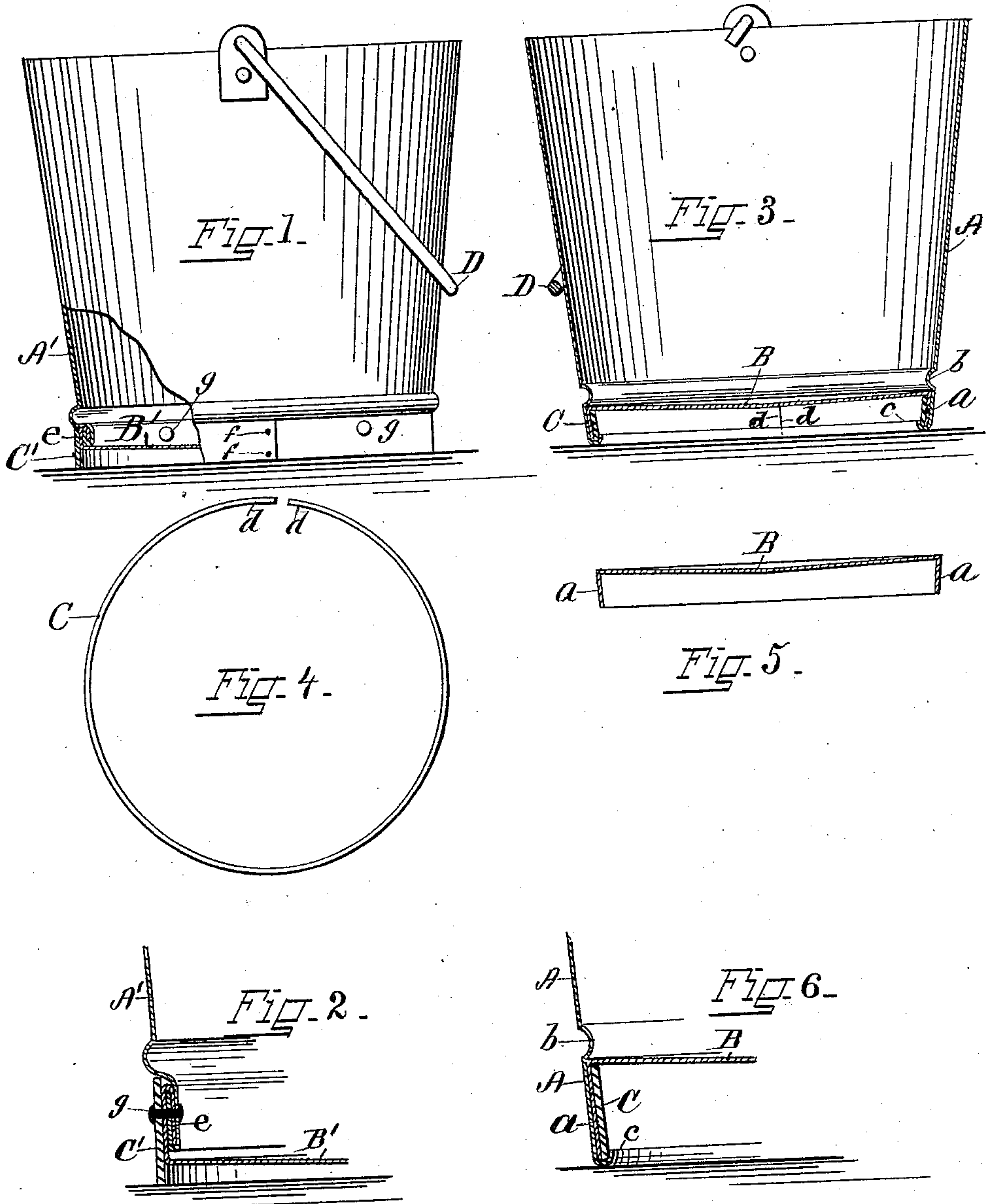
(No Model.)

J. HILL.

GALVANIZED OR METAL COATED BUCKET.

No. 291,904.

Patented Jan. 15, 1884.



WITNESSES:  
*John S. Lynch*  
*Socrates Scholfield*

INVENTOR:  
*James Hill*

# UNITED STATES PATENT OFFICE.

JAMES HILL, OF PROVIDENCE, RHODE ISLAND.

## GALVANIZED OR METAL-COATED BUCKET.

SPECIFICATION forming part of Letters Patent No. 291,904, dated January 15, 1884.

Application filed November 30, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES HILL, of Providence, in the State of Rhode Island, have invented an Improvement in Galvanized or Metal-Coated Buckets, of which the following is a specification.

The nature of my invention consists in the improved combination of a strengthening-ring with the bottom of a galvanized or metal-coated bucket, as hereinafter set forth; and the object of my invention is to provide a strong and durable bucket at less cost than heretofore.

Figure 1 is an elevation and partial section of the bucket as heretofore constructed. Fig. 2 is an enlarged section of a portion of the same. Fig. 3 is a vertical section of my improved bucket. Fig. 4 is an elevation of the strengthening-ring. Fig. 5 is a vertical section of the bottom plate. Fig. 6 is an enlarged section of a portion of my improved bucket.

In the accompanying drawings, A is the body of the bucket, usually made of thin sheet-iron, and B is the bottom plate, made of the same material, and formed with a turned rim, *a*, adapted to fit within the lower end of the body A, and when in proper position, as shown in Figs. 3 and 6, it is made to abut against the inwardly-turned bead, *b*, formed in the body A of the bucket. Within the rim *a* of the bottom plate, B, is placed the iron ring C, made of suitable width and thickness, and formed up in circular shape with the ends *d* abutting each other, as shown in Fig. 4. The ring C and bottom plate, B, are then secured in position by spinning or turning the lower edge, *c*, of the bucket A over the rim *a* and

ring C, as shown in Fig. 6; and the bucket so formed, when provided with the bail D, is to be galvanized with melted zinc or dipped in a bath of melted tin or other metal, thus firmly securing and soldering the ring and bottom of the bucket, and producing a solid and durable bottom edge not liable to indentation and injury in the required manipulation of the bucket.

The ordinary manufacture of galvanized metal buckets provided at the bottom with a strengthening hoop or ring is shown in Fig. 1, in which the body A' is joined to the bottom B' by means of the turned double seam *e*, over which is placed the hoop C', the ends of which are secured to each other by means of the rivets *f f*, and the hoop is likewise secured to the body A' by means of the rivets *g g*. In my improvement I place the strengthening-ring on the inner side of the lower edge of the bucket, and avoid the necessity for the employment of rivets, and also avoid the expense of the double seam *e*, thus effecting a desirable saving in the cost of manufacture over the ordinary bucket.

I claim as my invention—

In a galvanized or metal-coated bucket, the combination of the body A, provided with the inwardly-turned bead *b*, the bottom plate, B, provided with the rim *a*, and the strengthening-ring C, secured to the bucket by means of the inwardly-turned edge *c*, substantially as described.

JAMES HILL.

Witnesses:

JOHN S. LYNCH,  
SOCRATES SCHOLFIELD.