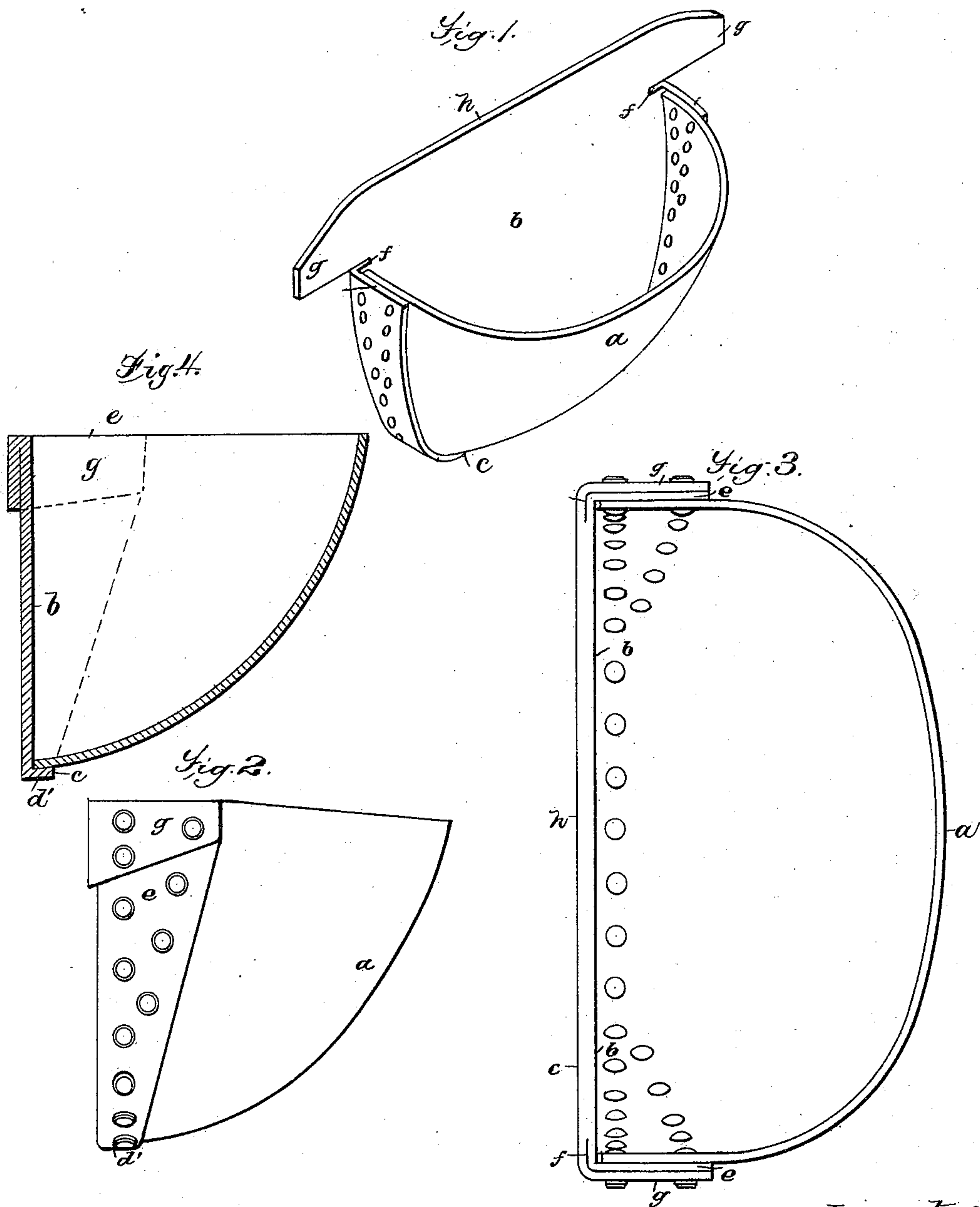


(No Model.)

H. B. HAIGH.
ELEVATOR BUCKET.

No. 336,916.

Patented Mar. 2, 1886.



Attest:
Geo. H. Bott.
Edw. H. Kinney

Inventor:
Harry B. Haigh
By Ernest C. Webb

Atty:

UNITED STATES PATENT OFFICE.

HARRY B. HAIGH, OF BROOKLYN, ASSIGNOR TO THE IRON CLAD MANUFACTURING COMPANY, OF NEW YORK, N. Y.

ELEVATOR-BUCKET.

SPECIFICATION forming part of Letters Patent No. 336,916, dated March 2, 1886.

Application filed June 27, 1885. Serial No. 169,946. (No model.)

To all whom it may concern:

Be it known that I, HARRY B. HAIGH, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Elevator-Buckets, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in elevator-buckets, particularly designed for buckets of spherical shape, like those described in Letters Patent Nos. 148,429 and 180,329.

The object of my invention is to increase the strength and durability of the bucket where it is subjected to the greatest strain in use without increasing the cost of manufacture to any appreciable extent.

In the accompanying drawings, in which similar letters of reference designate like parts, Figure 1 is a perspective view showing the flange before it is bent over. Fig. 2 is a side view showing the two rows of rivets, and Fig. 3 a top plan view. Fig. 4 is a central vertical section of the finished bucket.

a designates the front of the bucket, which, as shown, is a segment of a sphere.

b designates the back, having a forwardly-projecting flange, *c*, extending from its upper edge down around its bottom and up again to its upper edge on the opposite side, the width of the flange increasing gradually from its lower edge, *d*, to its upper edge, *e*. This flange *c* is slit at each side at the point marked *f*, and the surplus metal at the upper edge, *h*, is bent and lapped over the back, and the projecting ends *g g* are bent and lapped over

the flange *c*, thus making two thicknesses of metal where the bucket is to be secured to the belt, and three thicknesses at the corners, where the strain on the bucket in use is greatest. The front of the bucket is riveted to the flange *c* and ends *g g*, a single row of rivets being used along the narrow portion of the flange, and a double row at the wide portions and the three thicknesses of metal at the corners.

A bucket of this construction will be strong and durable and well adapted to stand the strains incident to its use.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. An elevator-bucket having its back provided with a forwardly-projecting flange of gradually-increasing width, extending from edge to edge, combined with the front, secured to said flange by rivets, substantially as described.

2. An elevator-bucket comprising the back having the forwardly-projecting flange extending from its upper edge down around its bottom and up again to its upper edge on the opposite side, and having the ends *g* and the front portion secured to said flange, with the ends *g* of the back brought around the flange and over the said front, substantially as described.

In testimony whereof I have hereunto set my hand this 25th day of June, A. D. 1885.

HARRY B. HAIGH.

Witnesses:

D. D. OTIS,
ARTHUR C. WEBB.