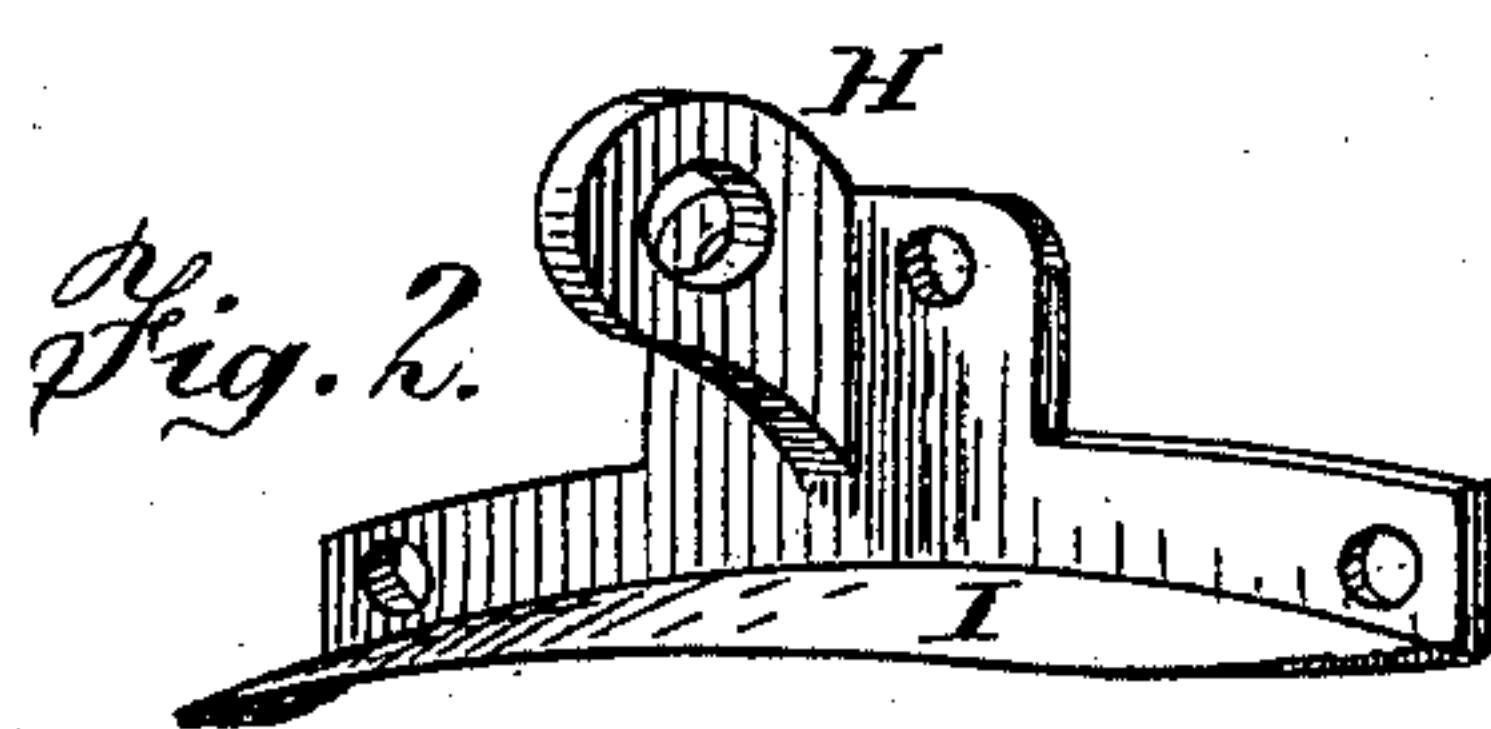
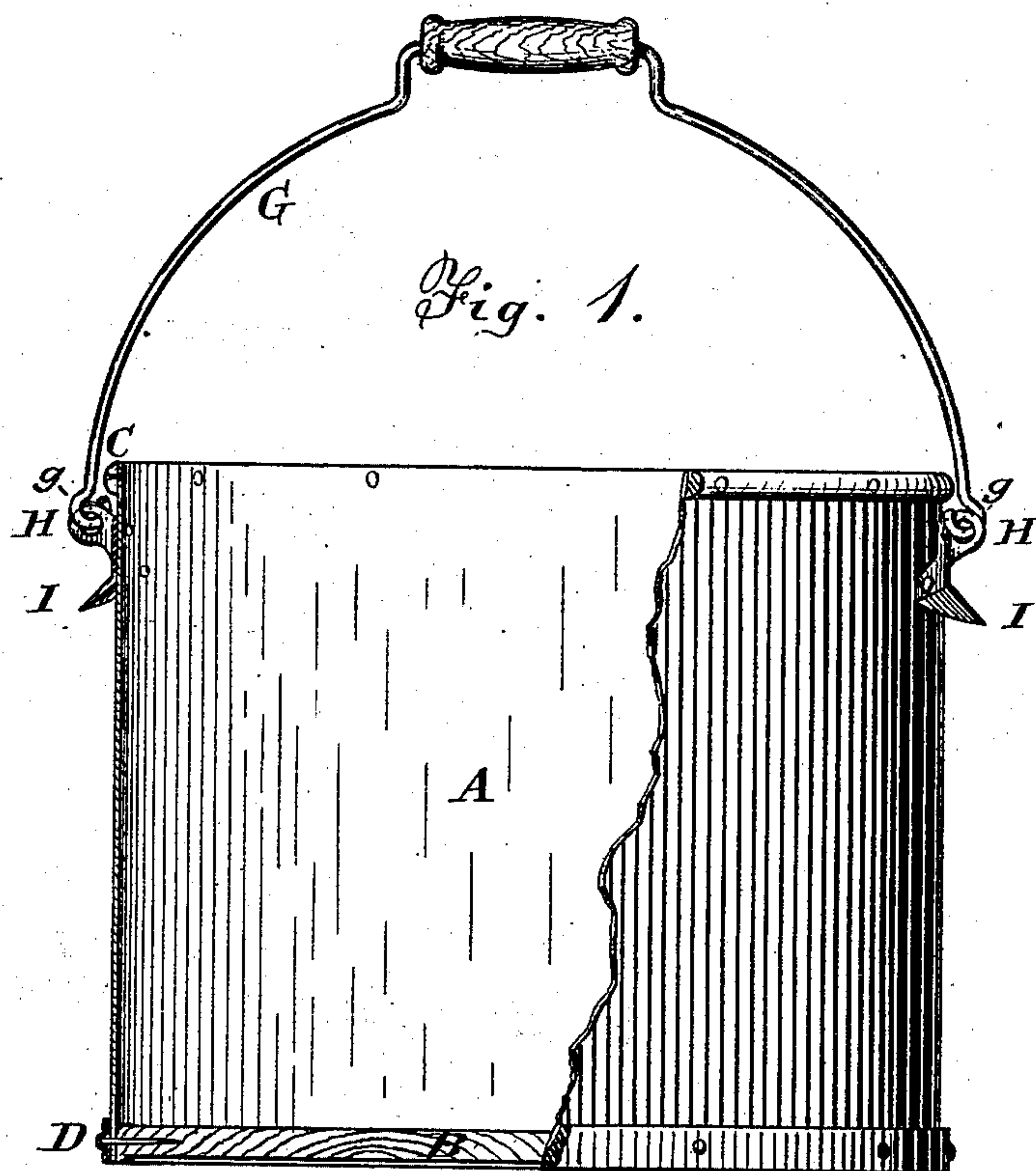


C. F. STITES.
Pail Ear and Lifter Attachment.

No. 221,876.

Patented Nov. 18, 1879.



Attest
Herbert Knight

Inventor
Charles F. Stites
By Knight Bros
 Atty.

UNITED STATES PATENT OFFICE.

CHARLES F. STITES, OF CINCINNATI, OHIO.

IMPROVEMENT IN BAIL-EARS AND LIFTER ATTACHMENTS.

Specification forming part of Letters Patent No. **221,876**, dated November 18, 1879; application filed September 9, 1879.

To all whom it may concern:

Be it known that I, CHARLES F. STITES, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Measure and Stable-Bucket, of which the following is a specification.

My invention consists, essentially, of an attachment for application to buckets, or combined buckets and measures, comprising in one integral piece ears to which the bail of said bucket may be attached, and at either side a lifter or handle. Said bail-ears, being prolonged downward and sidewise, terminate in obliquely-drooping flanges, which form the lifters, as hereinafter fully explained.

In the accompanying drawings, Figure 1 is a partly-sectional elevation of a stable-bucket and measure embodying my invention. Fig. 2 is a perspective view of one of my combined bail-ears and lifters. Fig. 3 is a vertical section of the same, in which the strong lines represent the malleable casting as it is withdrawn from the mold, while the dotted lines indicate the position of the flange or lifter after it has been bent to its permanent form.

A may represent the body, and B the bottom, of some measure of capacity, such as a half-bushel measure. The body is preferably of sheet metal, and the bottom a stout disk of wood bound with iron before its insertion in the body. The upper margin of the body is preferably stiffened by a stout hoop, C, and when to be used for liquids the lower margin is similarly inclosed in another stout hoop or band, D. These hoops, having been punched or drilled, are heated and shrunk upon the body, to which they are permanently fastened, the upper hook, C, by rivets, and the lower hook, D, by nails, which are driven through the body into the wooden bottom.

G may represent any suitable lifting-bail, whose hooks *g* are preferably large and somewhat open, in order to facilitate engagement and disengagement at will.

The bail-ears H are preferably of malleable iron, extend downward and sidewise, and terminate in obliquely-drooping flanges or lifters I, to facilitate the use of the vessel in the capacity of a measure.

In order that the bail-ear pattern may be readily withdrawn from the mold, its flange I projects rectangularly, as shown by strong lines in Fig. 3, and after the casting has been annealed the flange is heated and bent to its permanent form, as shown at I, Figs. 1 and 2, and by dotted lines in Fig. 3.

The above-described bail-ear, prolonged downward and sidewise, and having the obliquely-drooping lower projection, constitutes a distinguishing feature of my improvement.

Being especially designed to supersede the ordinary destructible wooden pail or bucket used for watering stock, &c., the size of the vessel is preferably that of a half-bushel measure; but the same features may obviously be embodied in vessels of various standard capacities, such as bushel, peck, half-peck, &c.

I claim as a new article of manufacture—

The bail-ear and lifter attachment herein described, consisting of the bail-ears H, extending downward and sidewise, and the flange or lifter I, in one piece with the ear, and obliquely drooping therefrom.

In testimony of which invention I hereunto set my hand.

CHAS. F. STITES.

Attest:

GEO. H. KNIGHT,
JOE L. LOGAN.