

(No Model.)

G. H. SMARDON.
FIRE BUCKET.

No. 504,070.

Patented Aug. 29, 1893.

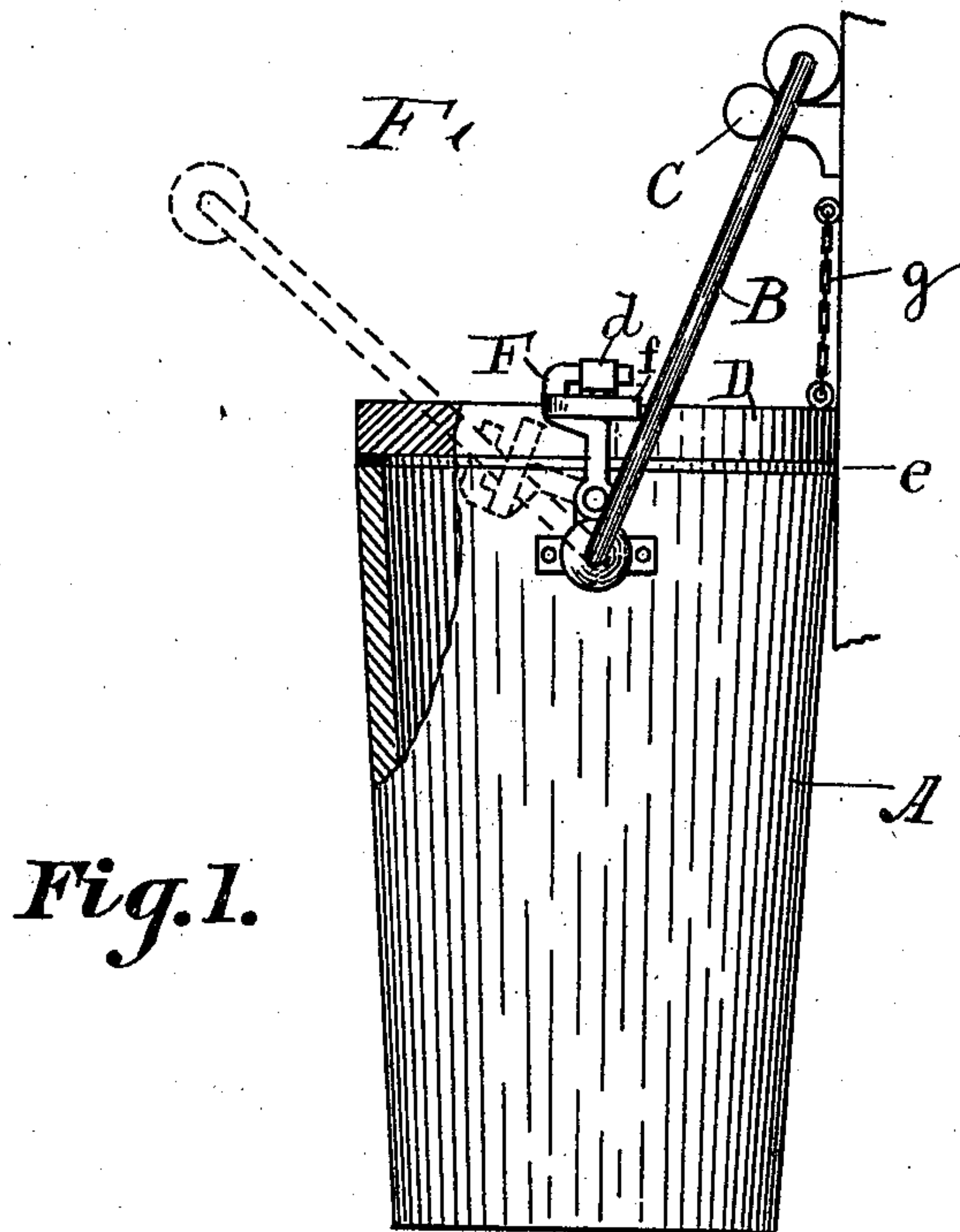


Fig. 1.

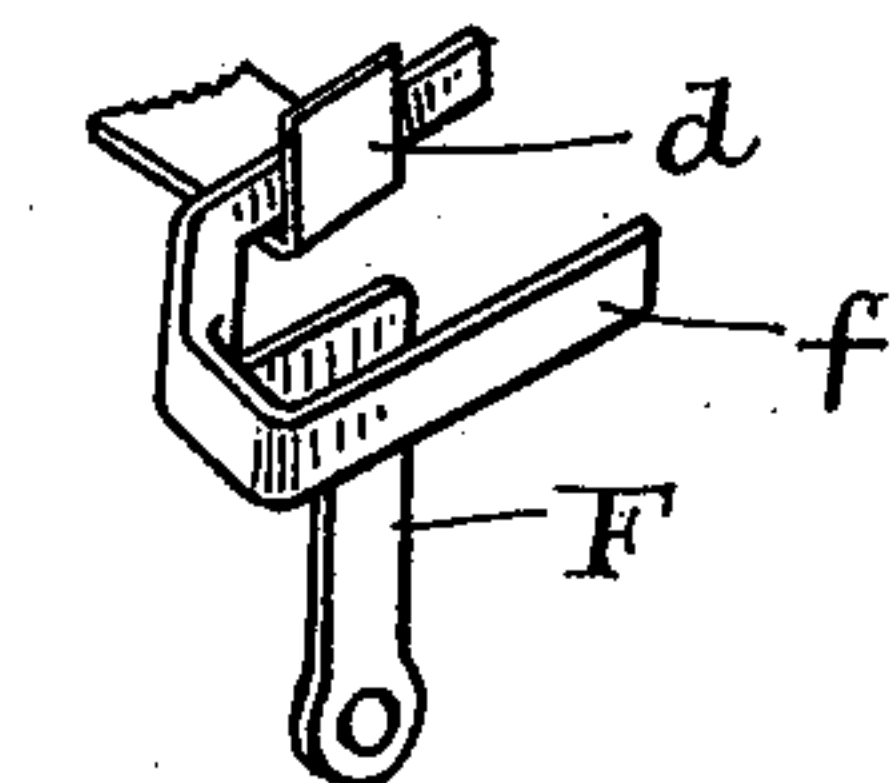


Fig. 4.

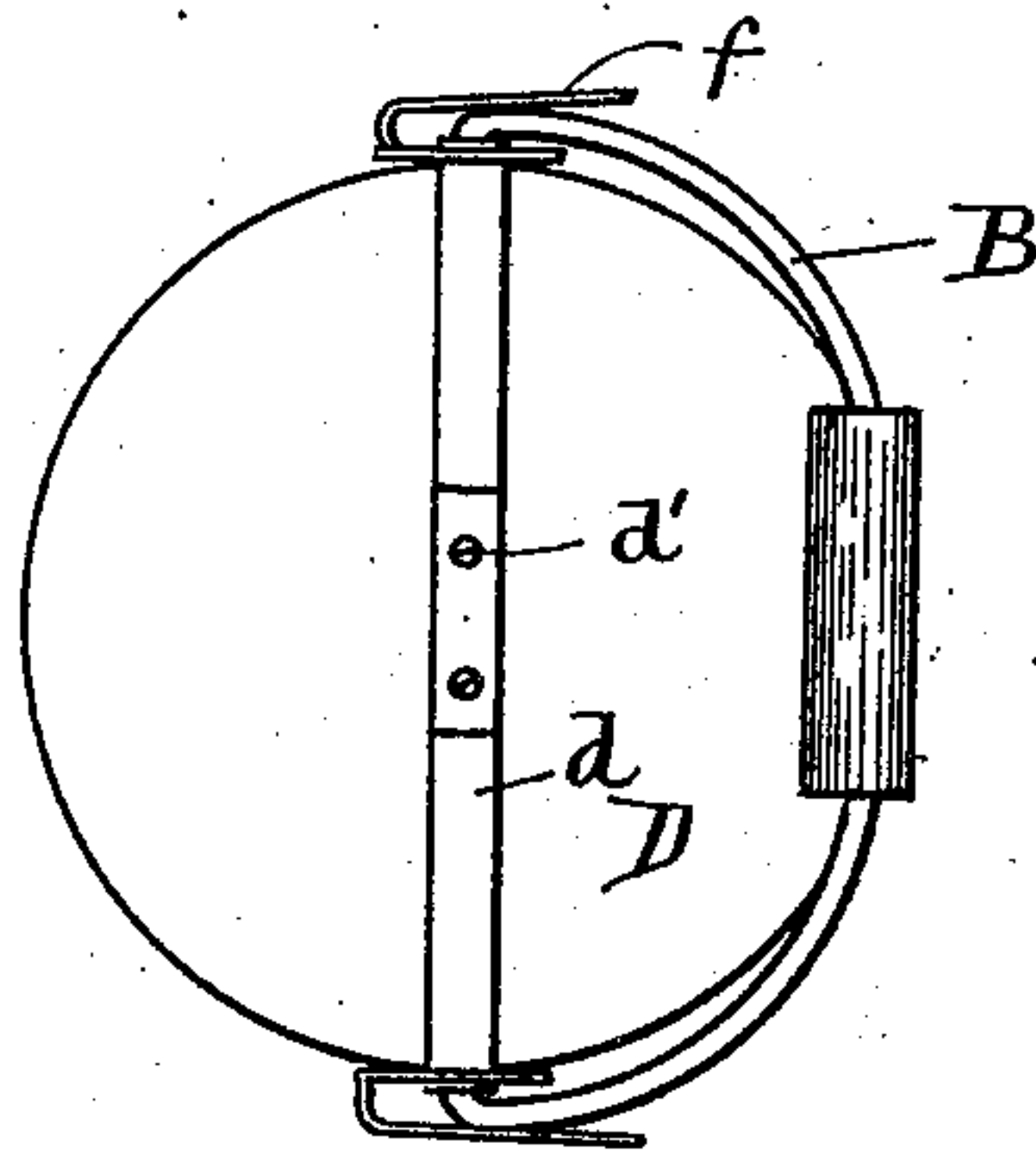


Fig. 2.

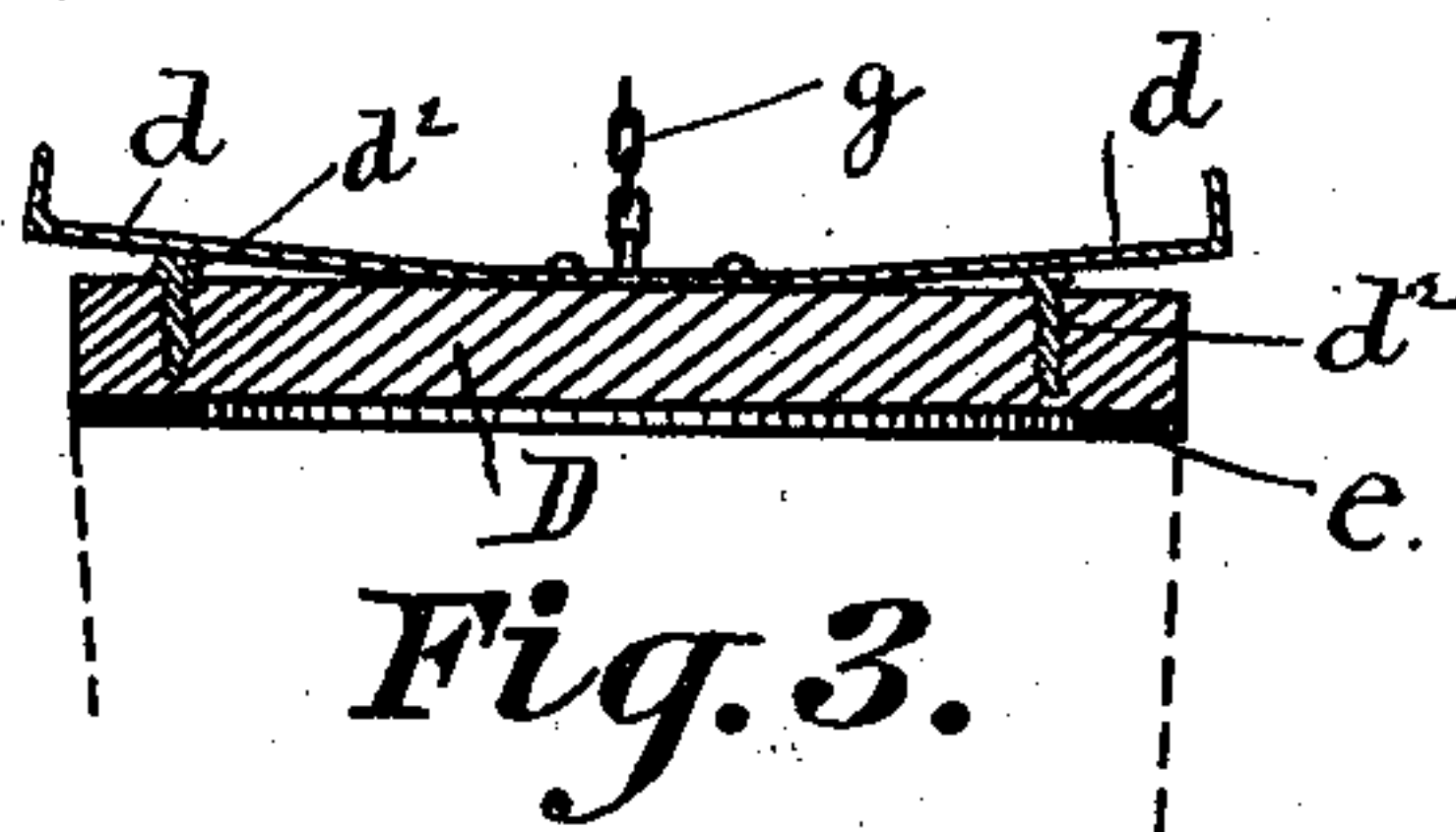


Fig. 3.

Witnesses:

R. E. Chase
Daniel Sullivan

Inventor:

George H. Smardon
by S. M. Bates
his atty.

UNITED STATES PATENT OFFICE.

GEORGE H. SMARDON, OF PORTLAND, MAINE.

FIRE-BUCKET.

SPECIFICATION forming part of Letters Patent No. 504,070, dated August 29, 1893.

Application filed January 11, 1893. Serial No. 458,080. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. SMARDON, a citizen of the United States, residing at Portland, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Fire-Buckets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to fire buckets and particularly to those which are provided with a cover tightly sealed on the top of the bucket to retain the contents and preserve them from evaporation. The difficulty in this class of fire buckets has been to fasten the cover on tightly so that no liquid could evaporate and at the same time so secure it that it could be quickly removable in case it was required for fire purposes. I accomplish this by fastening the cover to the top of the bucket by means of hooks which are so constructed that they are unhooked and the cover released by the swinging of the bail in its bearings in the act of taking down the bucket.

I illustrate my invention by means of the accompanying drawings, in which—

Figure 1. is a side view of a bucket constructed according to my invention. Fig. 2. is a plan or top view. Fig. 3. is a vertical section and Fig. 4. is a detail of the hook.

A represents the bucket and D is the cover which is put on with a gasket *e* so that it will be absolutely water tight. On the top of the cover is a straight spring *d* secured as here shown to the top of the cover by means of screws *d'* *d'*. The ends of the springs *d* project slightly over the edges of the cover and are turned up to form a shoulder. A hook *F* is pivoted to the bucket on each side and each hook engages one end of the spring *d* to hold the cover firmly down onto its seat. The hooks *F* are pivoted near the bail and they are each provided with a projection or guard *f* which extends out beyond the line of motion of the bail. This guard or projection is so located that as the bail swings away from the perpendicular it will strike against the hook and release it from the end of the spring. The tension of the spring is regulated by the screws *d²* *d²* placed in the cover where the free ends of the spring will rest on them. By raising or lowering them I can get more or less tension on my spring.

My bucket is here represented as being

hung from a hook *C* which is the usual way in which it is disposed when not in use. A chain of cord *g* is provided for attaching the cover to the wall so that when the bucket is taken down and the cover released by the handle the cover remains suspended to the wall.

The manner of using my fire bucket has already been indicated in describing its construction. When it is hung up ready for use the cover rests tightly on the top of the bucket. When the bucket is to be used, it is taken down by the handle and as the bail swings it strikes the hook and releases it from the end of the spring thus releasing the cover which remains suspended from the hook *C*. It will be seen that no time is lost in removing the cover and the cover can be readily replaced when the bucket is refilled for service.

I claim—

1. The herein described fire bucket having a cover, a hook for retaining said cover in place, said hook having a projecting portion against which the bail strikes to release the hook, substantially as described.

2. The herein described fire bucket having a cover, a spring secured to the top of said cover and having a projecting end, a hook pivoted to each side of the bucket and adapted to engage the projecting end of said spring, said hook being provided with a projecting portion against which the bail is adapted to strike as it swings in its bearings, to release said hook, substantially as described.

3. The herein described fire bucket having a cover, a spring secured to the top of said cover and having projecting ends, hooks pivoted to the sides of said bucket and adapted to engage the projecting ends of said spring and adjustable bearings for the free ends of said spring to regulate its tension, substantially as described.

4. The herein described fire bucket having a cover, a hook for retaining said cover in place and a bail adapted to release said hook as it swings in its bearings, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE H. SMARDON.

Witnesses:

S. W. BATES,
DANIEL J. SULLIVAN.