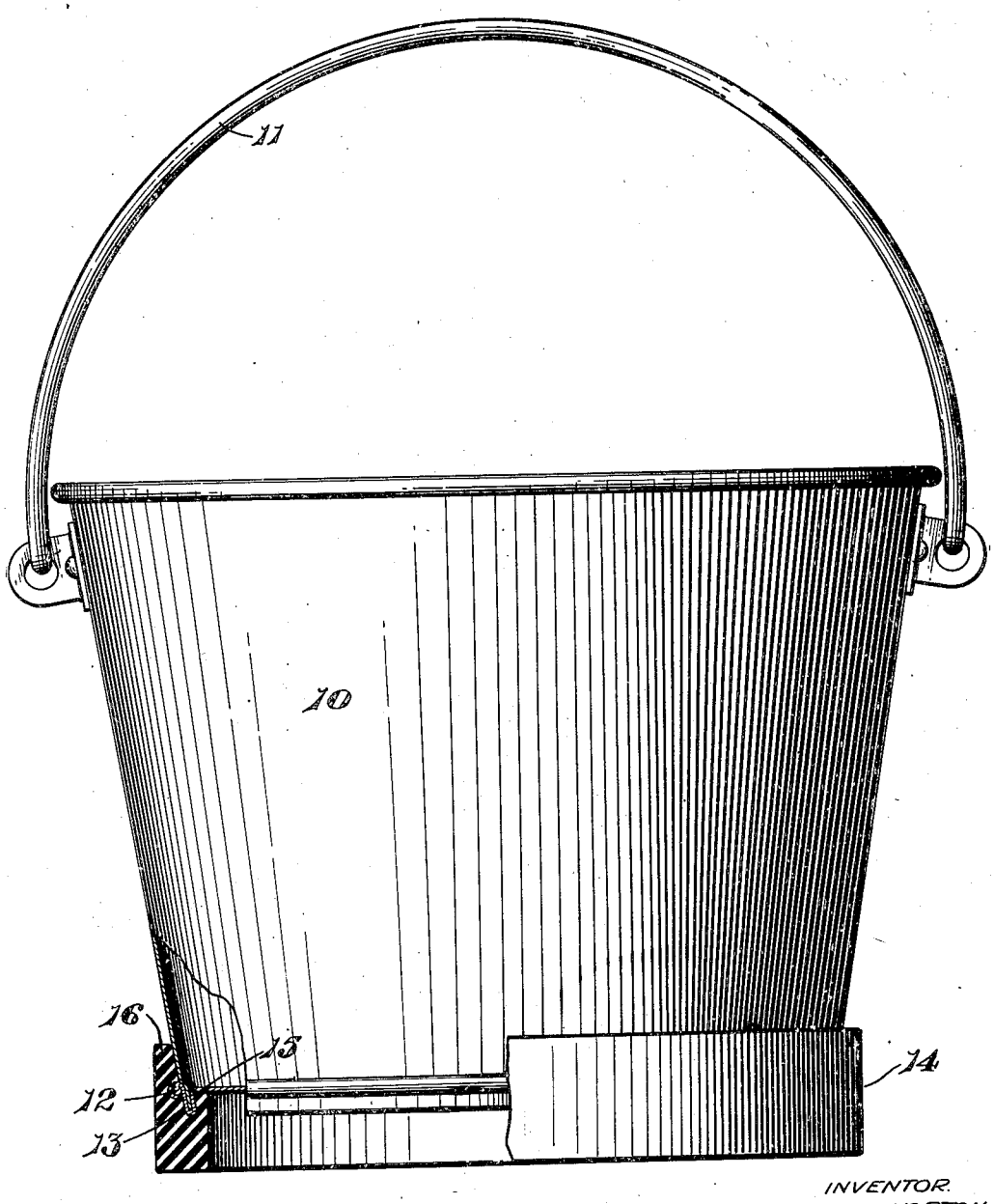
Apr. 3, 1923. 1,450,632

E. L. HORTON

BUCKET PROTECTOR

Filed June 28, 1922 2 sheets-sheet 1

Fig. 1.



INVENTOR.
EUGENE L. HORTON.
BY Dewey, Strong
Townsend & Tuttle
ATTORNEYS.

Apr. 3, 1923. 1,450,632

E. L. HORTON

BUCKET PROTECTOR

Filed June 28, 1922 2 sheets-sheet 2

Fig. 2.

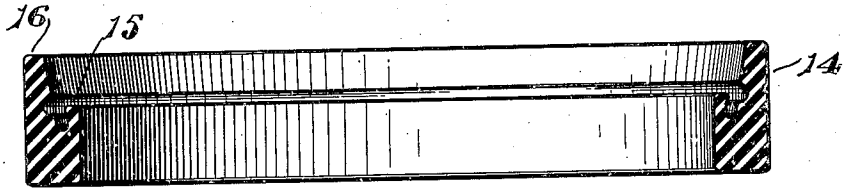
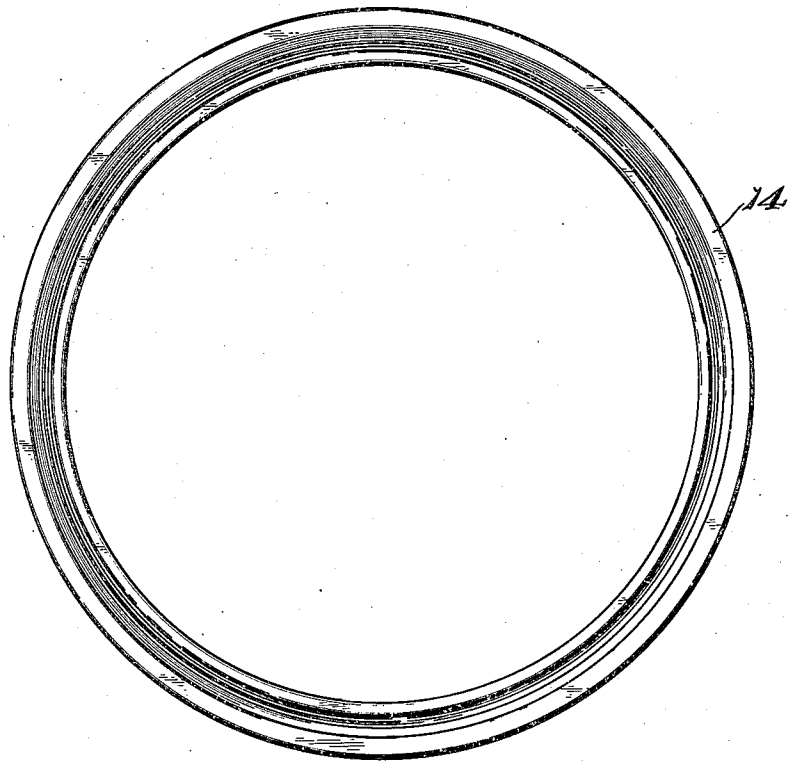


Fig. 3.



INVENTOR.
EUGENE L. HORTON.
BY Dewey, Strong, Ironside & Lyttle
ATTORNEYS.

Patented Apr. 3, 1923. 1,450,632

UNITED STATES PATENT OFFICE.

EUGENE L. HORTON, OF SAN FRANCISCO, CALIFORNIA.

BUCKET PROTECTOR.

Application filed June 28, 1922. Serial No. 571,537.

To all whom it may concern:

Be it known that I, EUGENE L. HORTON, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Bucket Protectors, of which the following is a specification.

This invention relates to buckets and other containers, and particularly pertains to a protector for the bottom thereof.

When buckets are used, and especially metal buckets, the bottoms are liable to become mutilated, and in addition, considerable noise is often made when the buckets are set down. This is especially true of galvanized iron buckets used in the offices and corridors of buildings, and it is the principal object of the present invention to provide a removable protecting member adapted to be easily positioned over the bottom rim of the bucket and to thus form a cushion to absorb blows against the bucket and to deaden the sound and prevent marking of the floor caused by the bucket when it is dropped or set down on the floor.

The present invention contemplates the use of a ring preferably formed of rubber and having a seat to receive the lower rim of a bucket and to provide an annular cushion beneath the rim.

This invention is illustrated by way of example in the accompanying drawings in which:

Fig. 1 is a view in side elevation showing the bucket with parts broken away to more clearly disclose the present invention.

Fig. 2 is a view in transverse section showing the formation of the ring.

Fig. 3 is a view in plan showing the ring.

Referring more particularly to the drawing, 10 indicates a bucket or other container, shown as having a bail 11. The bottom of the bucket is here shown as formed with reinforcing wire 12 bound into the lower edge of the bucket and beneath which an extending rim 13 occurs.

The present invention comprises a ring 14 adapted to fit around the bottom of the bucket and to receive the annular flange 13. This ring is preferably made of rubber, having a lower portion of rectangular section, the dimensions of which are sufficient to provide considerable resiliency and to act as a shock absorber and cushion. A groove 15 is formed in the ring to receive the flange 13 of the bucket, while an outer flange of the ring 16 extends upwardly around the bucket, hugging the side thereof and fastening over the wire beaded portion 12. Due to this arrangement the ring will be frictionally held in position and may be readily removed when it is desired to place it on other buckets.

It has been found that by the use of the present invention, the life of the bucket is greatly lengthened and that in addition it is maintained in a sightly condition and may be placed on hard surfaces, such as tile floors, linoleum, painted or polished floors, without injuring the floor or causing any objectionable noise.

While I have shown the preferred form of my invention as now known to me, it will be understood that various changes might be made in the combination, construction and arrangement of parts by those skilled in the art, without departing from the spirit of the invention as claimed.

Having thus described my invention, what I claim, and desire to secure by Letters Patent is:

1. In combination with a bucket having an annular flange projecting downwardly from its bottom and an annular projection circumscribing said flange, of an annular cushion member of resilient material, said member being grooved adjacent its top edge for the reception of said flange and said projection, and an upwardly extending flange portion on said cushion member adapted to circumscribe the outer surface of the bucket and yieldably hold the cushion member in position.

2. In combination with a bucket having an annular flange projecting downwardly from its bottom and an annular wire beaded portion circumscribing said flange, of an annular cushion ring of resilient material, said ring being formed with grooves in its upper portion for the reception of said flange and beaded portion whereby the ring may be mounted on the bucket with said flange and said beaded portion embedded in said ring, and an annular upwardly extending portion formed at the outer circumference of the ring and adapted to embrace the outer surface of the bucket to aid in firmly and detachably holding the ring in position thereon.

EUGENE L. HORTON.