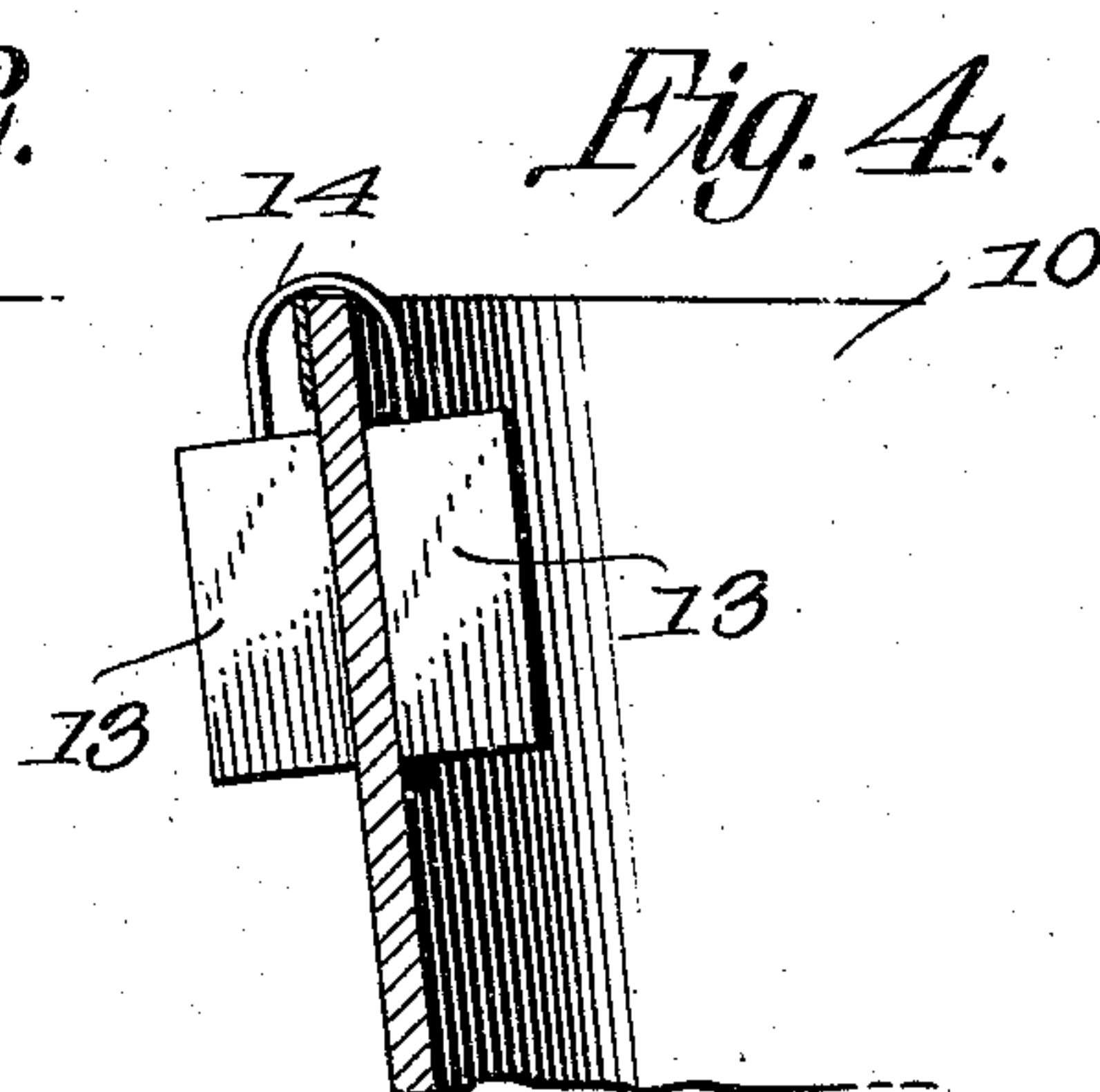
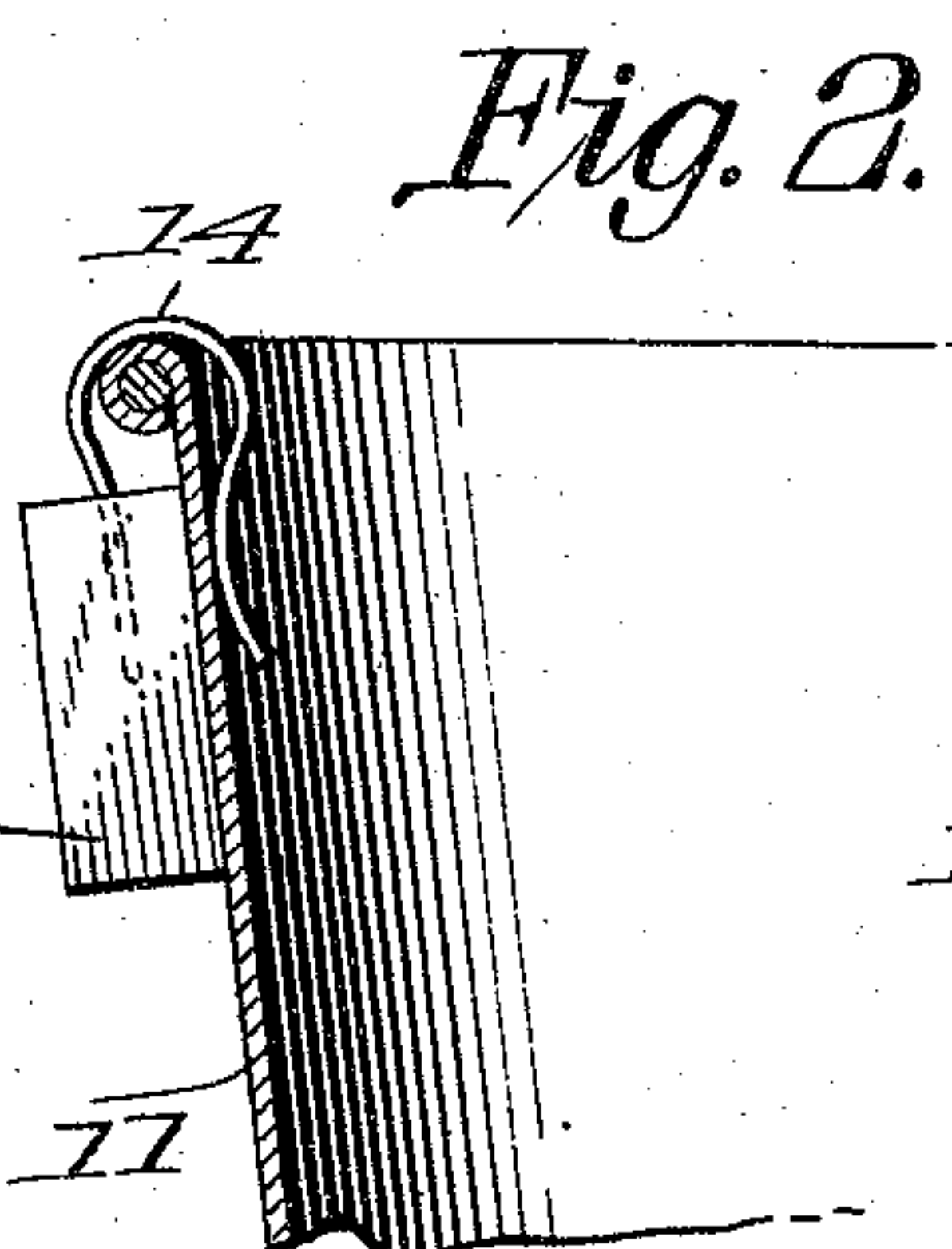
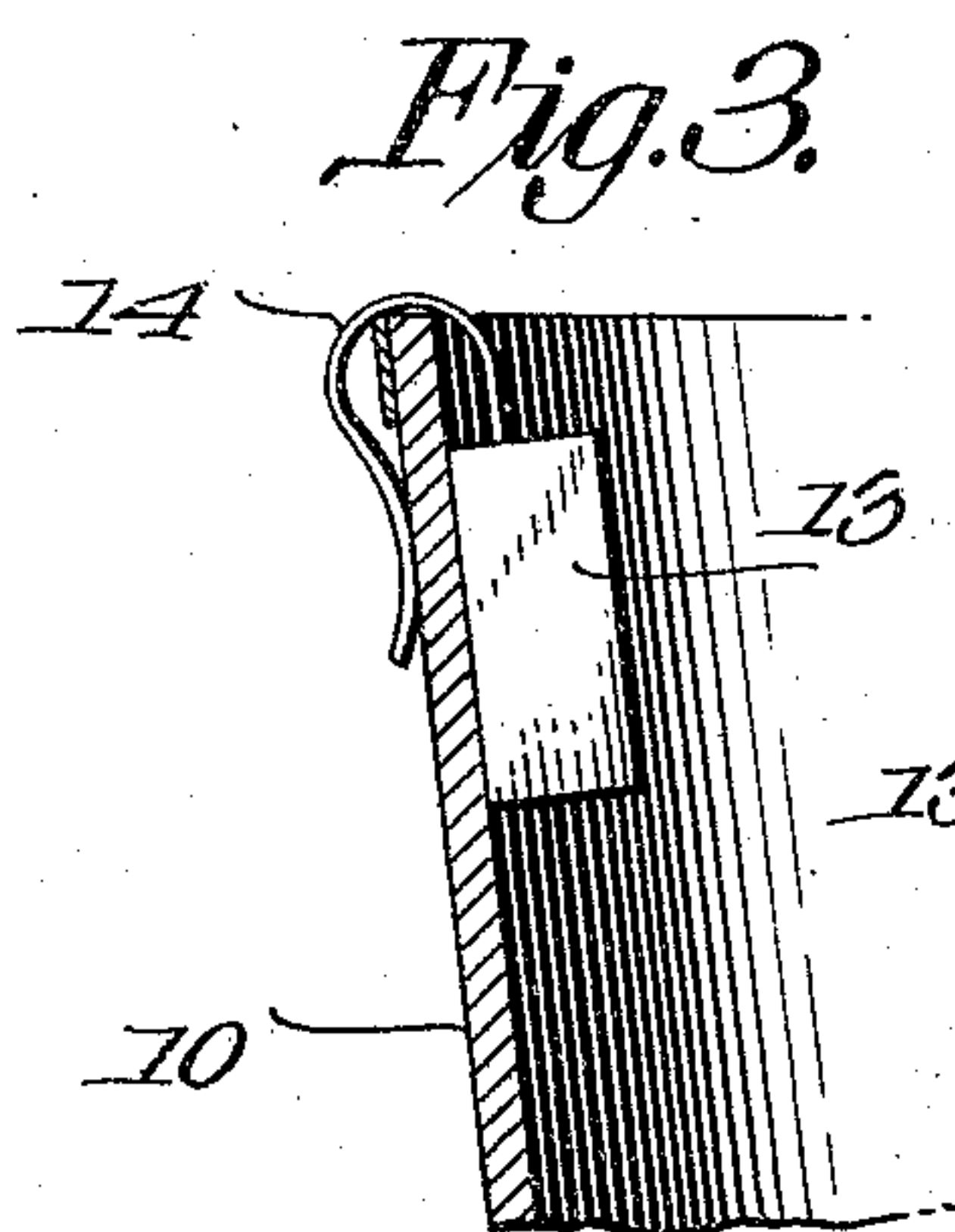
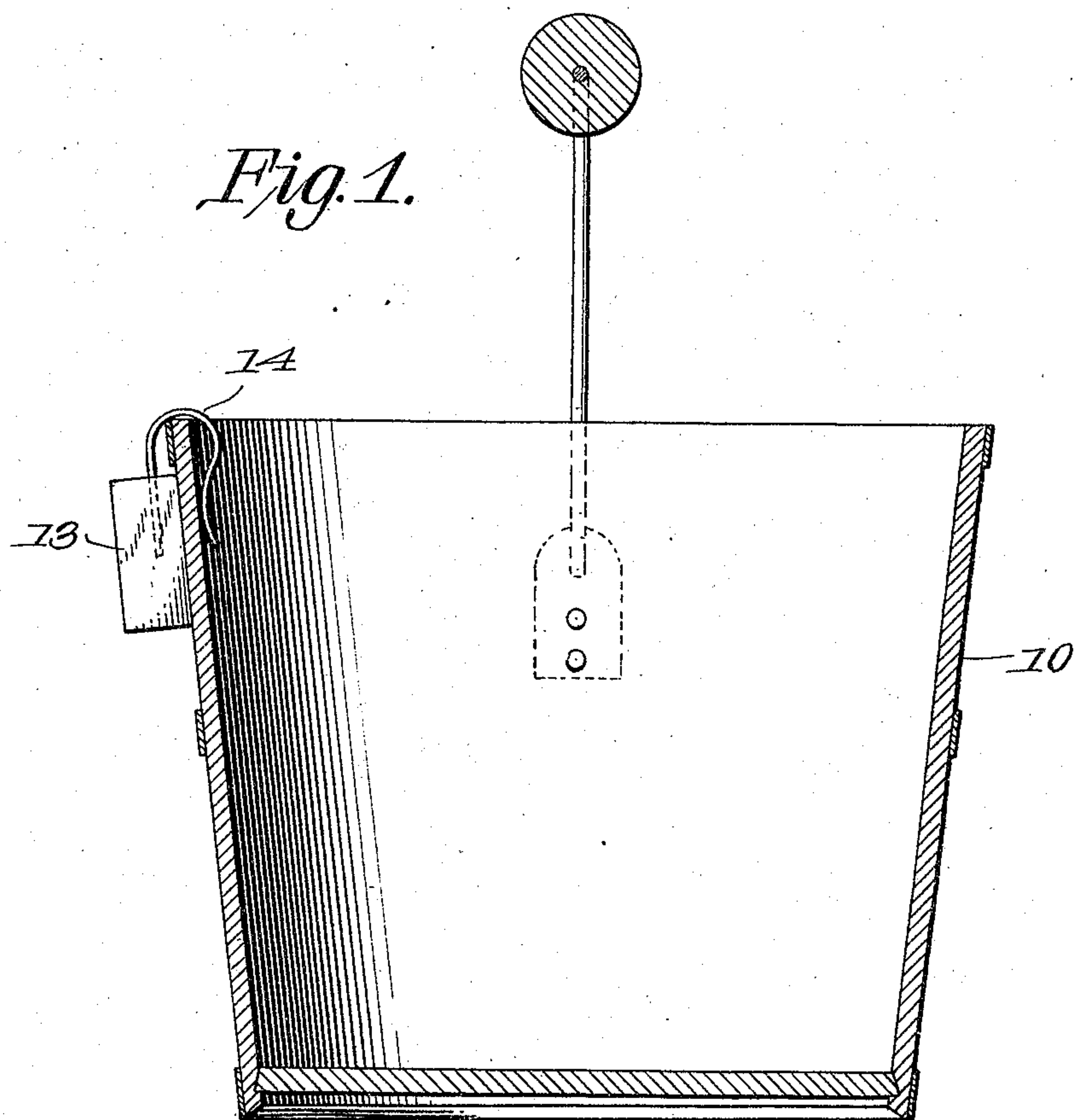


No. 785,101.

PATENTED MAR. 21, 1905.

H. C. HOPKINS.
WELL BUCKET SINKER.
APPLICATION FILED JAN. 11, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY C. HOPKINS, OF LITHONIA, GEORGIA.

WELL-BUCKET SINKER.

SPECIFICATION forming part of Letters Patent No. 785,101, dated March 21, 1905.

Application filed January 11, 1904. Serial No. 188,551.

To all whom it may concern:

Be it known that I, HENRY C. HOPKINS, a citizen of the United States, residing at Lithonia, in the county of Dekalb and State of Georgia, have invented a new and useful Well-Bucket Sinker, of which the following is a specification.

This invention relates to attachments to well-buckets to cause them to overturn and sink when lowered into the well, and has for its object to provide an easily attachable and detachable means whereby the desired results are accomplished; and with this and other objects in view, the nature of which will appear as the invention is better understood, the improvement consists in a weight having means for detachable connection to a bucket at one side of the center of gravity.

The invention further consists in a weight having a resilient arm extending therefrom and capable of detachable connection to the bucket.

The invention consists in a weight having a resilient arm extending therefrom and curved into spaced position relative to the weight.

In the drawings forming a part of this invention, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the improved device capable of carrying the same into practical operation; but it will be understood that the invention is not necessarily limited thereto, as various changes may be made in the size, proportions, and general assemblage of the parts without departing from the principle of the invention or sacrificing any of its advantages, and the right is therefore reserved of making all the changes which may fairly fall within the scope of the invention and the claims made therefor.

In the drawings thus employed, Figure 1 is a sectional view of a wooden well-bucket with the improved attachment in position thereon. Fig. 2 is a sectional view of a portion of a metal bucket with the improved attachment applied. Figs. 3 and 4 represent modified forms of the device and the means of applying the same to the bucket.

The device may be applied to buckets of

various shapes and sizes and of various materials and in Figs. 1, 3, and 4 is shown applied to an ordinary wooden bucket 10, and in Fig. 2 applied to an ordinary metal bucket 11, the latter with the usual wired rim 12.

The improved attachment consists of a weight 13 of any suitable material possessing the requisite specific gravity—such as lead, iron, or the like—and of suitable size and provided with a resilient arm 14, extending therefrom and preferably curved into hook shape, with the free end extended into spaced position relative to the weight, whereby the arm when placed over the rim of the bucket will be supported thereon with sufficient friction to prevent accidental removal or to prevent the weight from being displaced when the bucket is in use. The arm 14 will possess sufficient resiliency to compress the weight upon the bucket with considerable force, so that it will not fall from the bucket no matter how severely it may be shaken about or agitated and will preferably be of relatively heavy spring-steel. The weight may be disposed outside the bucket, as in Figs. 1 and 2, or inside the bucket, as in Fig. 3, and under some circumstances two weights may be employed upon each end of the resilient arm, as in Fig. 4; but this would not be a departure from the principle of the invention, as the same results would be accomplished and in substantially the same manner.

By this simple attachment the bucket will quickly overturn and fill when it strikes the water in the well, and thus obviate the annoying delays met with when employing the ordinary unweighted bucket.

The weights may be of any required size and form and may be very cheaply manufactured, may be applied by any person without previous skill, and readily transferred from one bucket to another, if required.

Having thus described the invention, what is claimed is—

1. As a new article, a well-bucket sinker consisting of a weight having a resilient arm extending therefrom for detachable connection to the rim of the bucket.

2. As a new article, a well-bucket sinker

consisting of a weight having a resilient arm
extending therefrom and curving backwardly
into spaced position relative to the weight,
whereby the weight is capable of detachable
5 connection to a bucket.

3. As a new article of manufacture, a well-
bucket consisting of a weight, and a resilient
clip connected therewith and comprising a
curved arm the lower terminal of which ex-

tends below the top of the weight and is adapt- ro
ed to embrace the bucket.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

HENRY C. HOPKINS.

Witnesses:

G. W. WALKER,

W. T. FOSTER.