G. F. RUTZLER.

HOOK OR RETAINING DEVICE FOR FIRE BUCKETS OR THE LIKE.

APPLICATION FILED MAY 28, 1920.

1,431,431. Patented Oct. 10, 1922.

Fig. 1.

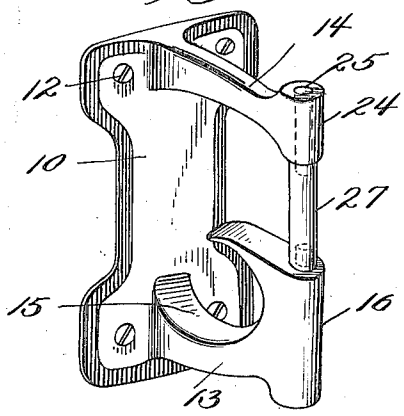
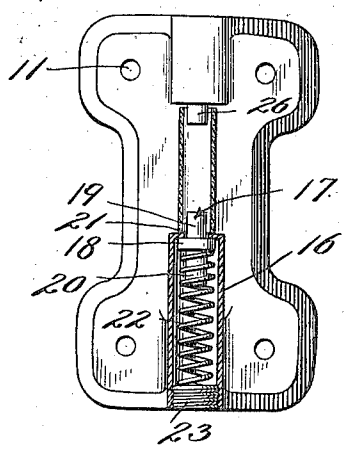


Fig. 2.



Witness
C. E. Kesler

Inventor
George F. Rutzler

By James L. Norris
Attorney

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UNITED STATES PATENT OFFICE.

GEORGE FREDRICK RUTZLER, OF CHARLOTTE, NORTH CAROLINA.

HOOK OR RETAINING DEVICE FOR FIRE BUCKETS OR THE LIKE.

Application filed May 28, 1920. Serial No. 384,882.

To all whom it may concern:

Be it known that I, GEORGE F. RUTZLER, a citizen of the United States, residing at Charlotte, in the county of Mecklenburg and State of North Carolina, have invented new and useful Improvements in Hook or Retaining Devices for Fire Buckets or the like, of which the following is a specification.

This invention relates to a supporting device for fire buckets and other articles whereby the fire buckets or articles may be supported in convenient and exposed places with the certainty that their surreptitious removal may be readily discovered.

Fire buckets or pails containing various fire extinguishing agents such as sand or water, and fire extinguishers of various types are frequently located in factories, office buildings and other structures in places where they will be readily accessible for use in case of an emergency. These receptacles are often misused for other purposes with the result that when really needed the original contents have been partially or wholly used or the entire receptacle misplaced.

My invention employs a frangible member for locking the bucket or other article in place so that no displacement can readily be made without first breaking the frangible member. The locking member will normally deter a person from attempting to remove the article, but if the dislodgement is accomplished the fact is readily visible because of the removal or fracture of the frangible member.

In the accompanying drawings I have illustrated one practicable embodiment of the invention, but the construction shown there is to be understood as illustrative only, and not as defining the limits of this invention.

Figure 1 is a perspective view of my improved supporting bracket with the frangible member in locked position.

Figure 2 is a partial front elevation and sectional view through the frangible member and the plunger mechanism.

Numeral 10 designates the body portion of my improved supporting bracket. This body portion is preferably of substantially rectangular form having apertures 11 near each of the four corners for receiving fastening devices 12, whereby the bracket may be secured to the wall, partition or the like, of a shop, office building, or other structure. A hook shaped supporting element 13 is formed integral with and projects forwardly from the body portion 10. An arm 14 is also formed integral with the body portion of the bracket and projects forwardly therefrom, in spaced relation to and in substantially the same vertical plane as the hook shaped supporting element 13. The supporting element 13 is adapted to receive the bail of the bucket or the supporting means of any other article on the curved surface 15, and support the same in suspended position. The supporting member is also formed with a tubular portion 16 in which is inserted the plunger 17. The plunger is formed with a collar or flange 18, and reduced portions 19 and 20. Reduced portion 19 normally projects through an aperture 21 formed in the upper end of the tubular casing 16, being normally held in this position by means of the spring 22 which is enclosed within the tubular casing 16, surrounds the reduced portion 20 of the plunger and abuts at one end against the collar 18 and at the other end against a screw 23 having threaded engagement with the lower portion of the casing.

The arm 14 terminates in a cylindrical boss 24 which overlies the tubular portion 16 of the supporting element 13. A pin 25 is pressed through a corresponding aperture formed in the boss 24 and the lower end of the pin projects slightly beyond the lower surface of the boss. The frangible member 27 is preferably in the form of a glass tube and is inserted in position by first engaging the same over the projecting end 26 of the retaining pin 25, depressing the plunger 17 and moving the tubular member laterally to correct position when the plunger 17 will be pressed upwardly by the spring 22, and lock the frangible member from further lateral movement. It is understood of course that the member 27 is of greater length than the distances between the plunger 17 and pin 26, and approximately of a length corresponding to the distance between the bearing surfaces of the supporting element 13 and the arm 24.

In operation the bracket is secured to a vertical wall or the like and the fire bucket is placed into position by passing the bail thereof through the hook shaped supporting element 13 so that it rests appropriately upon the curved surface 15. The frangible element is placed into position by depressing

the movable plunger 17 as above described. The bucket or other element is locked in position and cannot be removed without first breaking the tubular member since the plunger is rendered inaccessible and cannot be depressed to permit the removal of said member.

It is evident that my invention may be used for other purposes than those described, such as a seal for the doors of freight cars whereby when the frangible element is broken it will be known that the car has been tampered with before being received by the consignee. Furthermore, various modifications and changes in detail of construction may occur to those skilled in the art to which my invention appertains, but all such modifications and changes are to be regarded within the spirit of my invention if within the scope of the appended claims.

In the claims:—

1. In a device of the class described, a bracket comprising a body portion, a hook shaped element projecting from said body portion and adapted to receive the bail of a fire bucket, an arm extending from said body portion in spaced relation to said element, a tubular frangible member located between said element and arm, a pin fixed to and projecting below said arm for engaging one end of said tubular member, said element being formed with a hollow casing having a constricted opening at its upper end in axial alignment with said pin, and a spring-pressed plunger in said hollow casing adapted to engage the other end of said tubular member, said plunger comprising a portion equal in diameter to the bore of the tube at its upper end, and a reduced portion adapted to be projected by the spring through said constricted opening and thereby, in conjunction with said pin, lock said frangible member against bodily movement.

2. A bracket comprising a body portion adapted to be secured to a suitable support, a hook shaped element and an arm projecting from said body portion in spaced relation, a pin fixed to and extending below said arm, said element having a hollow casing formed with a constricted aperture at one end in axial alignment with said pin, a plunger having a reduced portion adapted to project through said constricted aperture and a collar adapted to abut against the apertured end of the casing, a screw plug for closing the other end of the casing, and a spring bearing at one end on said collar and at the other end on said plug.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GEORGE FREDRICK RUTZLER.

Witnesses:
C. A. DUCKWORTH,
F. J. KENNEDY.