No. 704,730. Patented July 15, 1902.

A. ZIERLEYN.

HITCHING WEIGHT.

(Application filed July 26, 1901.)

(No Model.)

Fig. 1.

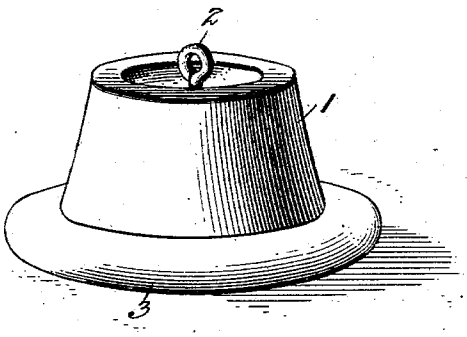


Fig. 2.

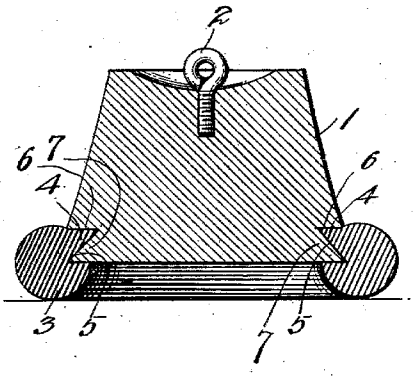


Fig. 3.

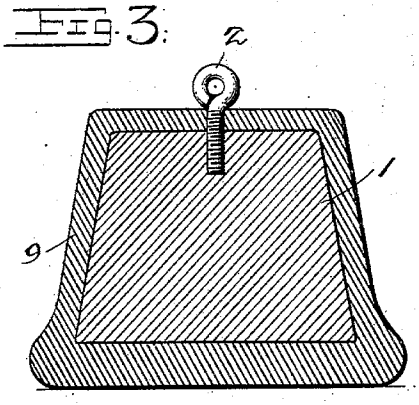
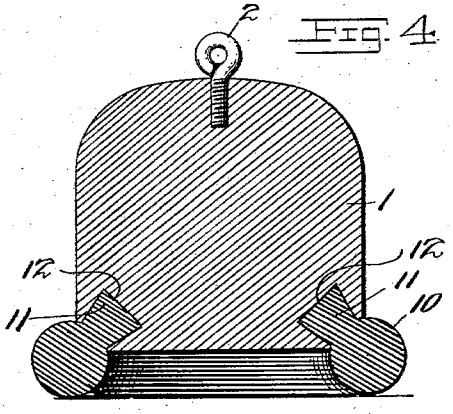


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

ANTONI ZIERLEYN, OF GRAND RAPIDS, MICHIGAN.

HITCHING-WEIGHT.

SPECIFICATION forming part of Letters Patent No. 704,730, dated July 15, 1902.

Application filed July 26, 1901. Serial No. 69,814. (No model.)

To all whom it may concern:

Be it known that I, ANTONI ZIERLEYN, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented a new and useful Hitching-Weight, of which the following is a specification.

This invention relates to hitching-weights.

The object of the invention is in a simple, thoroughly efficient, and feasible manner to prevent chipping or cracking of the curb or sidewalk upon which the weight may be thrown from a vehicle and also to deaden the noise of the fall.

With these and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a hitching-weight, as will be hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like numerals of reference indicate corresponding parts, there are illustrated several forms of embodiment of the invention capable of carrying the same into practical operation, it being understood that the elements therein exhibited may be varied or changed as to shape, proportion, and exact manner of assemblage without departing from the spirit thereof, and in the drawings—

Figure 1 is a view in perspective of a hitching-weight embodying one form of the invention. Fig. 2 is a view in vertical transverse section through the weight shown in Fig. 1. Figs. 3 and 4 are views in vertical transverse section of two modified forms of the invention.

Referring to the drawings, 1 designates a weight which may be of any preferred size or shape and has associated with the center of its top portion an eye 2, to be engaged by a hitching-strap. The form of buffer and sound-deadener associated with the weight shown in Figs. 1 and 2 comprises an annulus 3, of rubber, lead, lead alloy, or other suitable soft metal, provided with a flange 4 and a recess 5 to interlock with a recess 6 and flange 7, provided at the lower portion of the weight.

In the form of embodiment of the invention exhibited in Fig. 3 the weight is inclosed or incased by a covering 9, of soft metal or yielding material, and in the form of embodiment shown in Fig. 4 the buffer and sound-deadener comprises an annulus 10, circular in cross-section and provided with an upward and inward projecting dovetailed flange 11, adapted to fit in a correspondingly-shaped groove 12 in the lower portion of the weight.

It is to be understood that it is proposed to use any shape of buffer and sound-deadener and to apply the same in such manner as to serve as a partial covering for the weight, as shown in Figs. 1, 2, and 4, or as a complete covering therefor, as shown in Fig. 3; but in whatever manner the attachment is associated with the weight the latter will be prevented from coming into contact with the surface upon which it is dropped. The weight will also be protected by the association therewith of the buffer and sound-deadener, which being of a yielding nature will not chip or crack when the weight is thrown upon a pavement. Furthermore, as pointed out, this attachment will from its inherent characteristics protect the sidewalk, curb, or other street-surface against injury.

It will be observed that the attachment projects outward some distance beyond the base of the weight, and by this arrangement when the weight is thrown from a vehicle to the sidewalk particular care need not be exercised to have it fall squarely upon its bottom for the reason that the attachment will always strike first when the weight falls, and if the attachment be formed of rubber its resiliency will cause the weight to rebound, and thus not only protect the surface upon which it is dropped from injury, but the rebound will have a tendency to cause the weight to assume its proper position, this being due to the fact that the preponderance of weight is disposed at the bottom of the device, as will be readily appreciated by reference to the drawings.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A device of the character specified, comprising a metallic body provided with means for connection with a hitching-strap, and a

buffer and sound-deadener associated with and projecting beyond the lower portion of the body.

2. A device of the character specified, comprising a metallic body provided with means for connection with a hitching-strap, and a combined buffer and sound-deadener associated with the body and projecting beyond the bottom portion thereof.

3. A device of the character specified, comprising a metallic body, and a buffer and sound-deadener associated with the lower portion thereof and composed of soft metal.

4. A device of the character specified, comprising a metallic body provided with means for connection with a hitching-strap, and having its lower portion provided with a marginal recess, in combination with a buffer and sound-deadener held associated with the body by the said recess.

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

ANTONI ZIERLEYN.

Witnesses:
THOMAS A. MCGEE,
EDWARD E. MOHL.