No. 890,535. PATENTED JUNE 9, 1908.

G. W. SIMMONS.

WINDOW WEIGHT.

APPLICATION FILED OCT. 16, 1907.

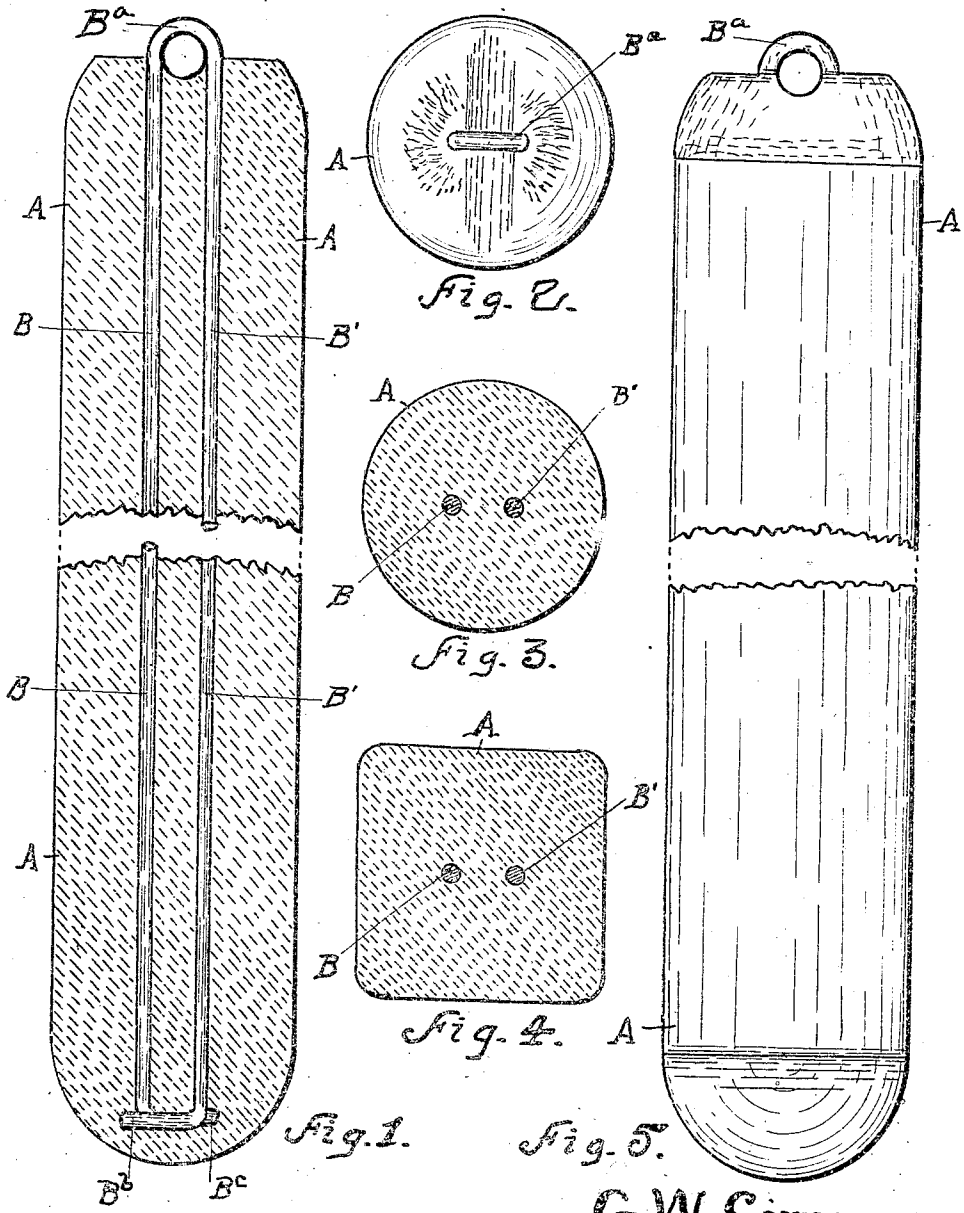


Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

WITNESSES:

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GEORGE W. SIMMONS, OF RICHMOND, INDIANA.

WINDOW-WEIGHT.

No. 890,535. Specification of Letters Patent. Patented June 9, 1908.

Application filed October 16, 1907. Serial No. 397,639.

To all whom it may concern:

Be it known that I, GEORGE W. SIMMONS, a citizen of the United States, residing in the city of Richmond, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Window-Weights, of which the following is a full and accurate specification, being such as will enable others to make the same with absolute exactitude.

The object of my present invention, broadly speaking, is the provision of cement or cementitious weights intended more particularly for window or sash weights, but also being adapted for other analogous purposes wherever a cheap and durable balance weight is desired.

A further object is to provide a weight which will be strong and durable in construction, attractive in appearance, which will not be subject to deterioration with usage, which can be manufactured in any locality, which will contain a maximum specific gravity in proportion to its dimensions, and which can be sold at a comparatively low price.

Other particular objects and advantages of the invention will be brought out in the course of the following specification.

One manner for the construction of my invention is shown most clearly in the accompanying drawings, in which

Figure 1 shows a central longitudinal section of a weight constructed in accordance with my invention. Fig. 2 is a plan view of the upper end of the weight. Fig. 3 is a cross sectional view of the weight. Fig. 4 is a cross sectional view of a slightly modified form of weight. And Fig. 5 shows a side elevation of a completed weight.

Similar indexes denote like parts throughout the several views of the drawings.

In order that the construction of my invention may be more readily understood I will now take up a detail description thereof in which I will refer to the construction of the invention as briefly and as comprehensively as I may.

In the drawings the letter A denotes a solidified body of cement or the like, which may be formed cylindrical in cross section, as in Fig. 3; or formed square with trun cated corners as in Fig. 4; or formed in other cross sectional shape as desired. The body A may be of any desired length to give the requisite specific gravity to the weight. The body thus formed is provided with reinforcing means designated by the two metal rods B and B′ which are spaced apart and extend longitudinally in the central portion of the body as shown. Said rods are formed integral with each other being, in fact, a single rod doubled upon itself in the center with the central portion forming the loop B^a which projects out in the center of the upper end of the body as shown. The ends of said rods are bent at right angles at their lower ends forming the anchors B^b and B^c, which are oppositely disposed and are formed parallel with reference to each other as shown. Said rods are for a double purpose, as is apparent: They reinforce the cement body, and in connection with the loop B^a afford means for suspending the weight, it being understood that a cord or the like may be attached in the loop B^a. The anchors B^b and B^c prevent the rods from being withdrawn from the cement body. I prefer to form the lower terminal of the weight rounding; as is also the upper terminal, the loop B^a being included within the prescribed curve as shown.

I desire that it be understood that various changes may be made in the details of the construction of my invention without departing from the spirit thereof or of sacrificing any of its many advantages.

Having now fully shown and described the invention and the best means for its construction and operation to me known at this time, what I claim and desire to secure by Letters Patent of the United States, is—

1. A window weight consisting of a solidified cement body, a rod bent upon itself forming a central loop, the ends of the rods being bent at right-angles to said rod to form anchors, the two portions of said rod being spaced apart and, together with the anchors, embedded in the cement body with the said loop only exposed to form means whereby the weight may be suspended from its upper end, all substantially as set forth.

2. A window weight consisting of a non-inclosed elongated and solidified body of cementitious material, reinforcing means located longitudinally in the cement body and comprising two metal rods spaced apart, anchoring means located within the lower portion of the cement body and formed by bending the lower ends of the reinforcing

means out at right-angles thereto and means whereby the weight may be suspended, which latter means consists of a loop formed by the integrally united upper ends of said rods, said loop being exposed at the upper end and in the center of the weight, all substantially as shown and described.

In testimony whereof I have hereunto subscribed my name to this specification in the presence of two subscribing witnesses.

GEORGE W. SIMMONS

Witnesses:

ROBERT W. RANDLE,

R. E. RANDLE.