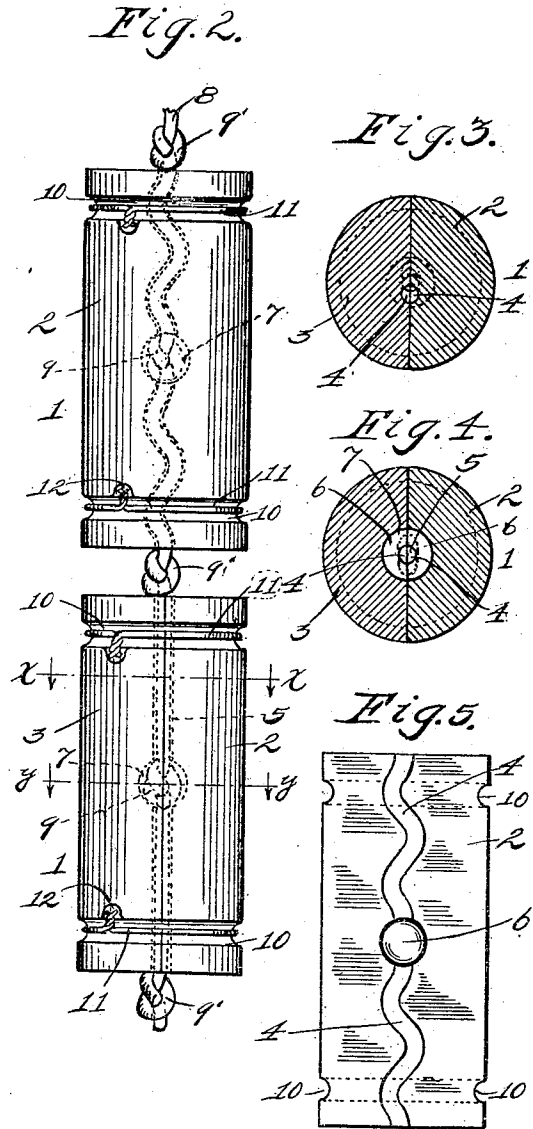
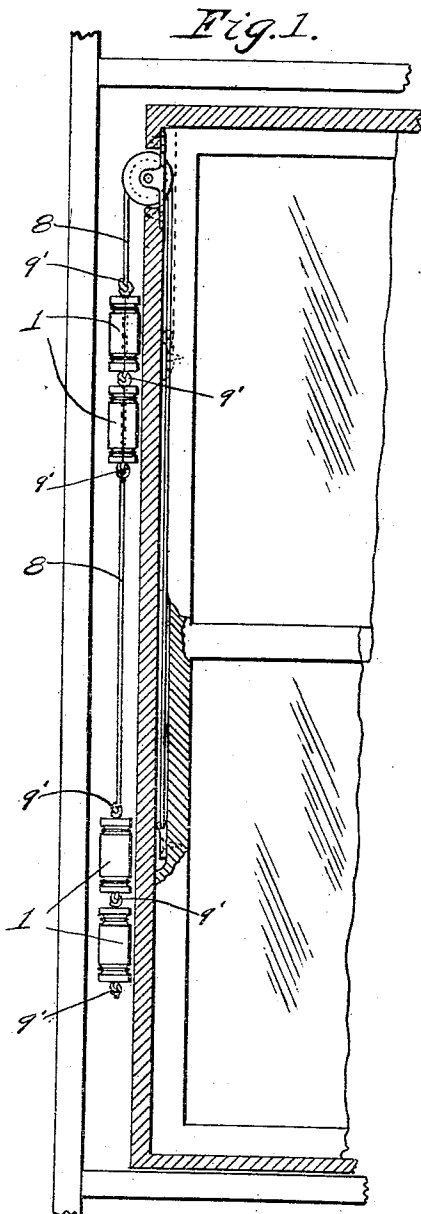


T. HOLLAND.
SASH WEIGHT.

APPLICATION FILED DEC. 13, 1909.

962,838.

Patented June 28, 1910.



Witnesses:

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UNITED STATES PATENT OFFICE.

TIMOTHY HOLLAND, OF CHICAGO, ILLINOIS.

SASH-WEIGHT.

962,838.

Specification of Letters Patent. Patented June 28, 1910.

Application filed December 13, 1909. Serial No. 532,348.

To all whom it may concern:

Be it known that I, TIMOTHY HOLLAND, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Sash-Weights, of which the following is a specification.

My invention relates to improvements in window-sash weights and has for its object the production of a device of such character which will be efficient in operation and which will be of such design as to be adapted to be easily cast in the process of formation thereof and hence adapted to be manufactured at a low cost.

A further object is the provision of a sash weight which will be so designed that a plurality thereof, if desired, may be aliningly attached to a single sash cord, and whereby the proper counterbalancing of a window sash may be effected.

Other objects will appear hereinafter.

With these objects in view my invention consists in a window-sash weight characterized as above mentioned and in certain details of construction and arrangement of parts all as will be hereinafter fully described and particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a sectional view of a window sash frame illustrating the application of my weights thereto, Fig. 2 is an enlarged side elevation of my weights showing the same applied to a window cord, Figs. 3 and 4 are transverse sections taken on lines $x-x$ and $y-y$ respectively of Fig. 2, and Fig. 5 is a front elevation of one of the sections of the weight.

Referring now to the drawings my improved weight is shown as being comprised in a preferably substantially cylindrical metallic body 1. Said body is of a sectional nature it being comprised of two substantially similar semi-cylindrical longitudinal sections 2 and 3. Formed centrally in 50 contiguous surfaces of said sections are corresponding longitudinally extending tortuous grooves 4 adapted, when said sections are properly arranged one upon the other, to form a continuous tortuous passage 5 centrally through the body 1, as clearly shown.

Said grooves 4 are preferably of a semi-circular cross section whereby the resulting passage 5 is of a circular cross section. However, the precise cross sectional form of said grooves or passage is not essential since the same may be of any other suitable form desired. Each of the grooves 4 intermediate its extremities, preferably midway the latter, is formed with a preferably semi-spherical enlargement 6 whereby, when said sections are placed together, a spherical enlargement 7 will be formed in the passage 5.

In use, the sash cord 8 is arranged between the sections 2 and 3 so as to occupy the passage 5, the former being of a diameter substantially the same as that of the latter. A knot or other enlargement 9 is provided in the cord, the same occupying the passage enlargement 7, knots or enlargements 9' being also provided in the cord which abut the respective extremities of the body 1. With such provision, longitudinal movement or slippage of the latter upon the sash cord is evidently positively prevented.

Provided adjacent the respective extremities of the body 1 upon the outer surface thereof are circumferentially extending grooves 10 adapted to form seats for encircling fastening devices 11 whereby the weight sections are securely bound together. Ordinary wire is preferably employed to serve in the latter capacity, the respective extremities of each wire member, in applying the same, being twisted or clenched together as clearly shown in Fig. 2. A recess 12 is provided in the side of each groove 10 for the reception of the united extremities of the wire resting in the latter.

With the provision of a weight of the construction as shown and described, one in which a single or a plurality thereof may be easily and quickly attached to a single sash cord, and one, which when arranged upon the latter will be securely locked thereto will be provided.

While I have shown what I deem to be the preferable form of my improved sash weight I do not wish to be limited thereto as there might be various changes made in the details of construction and the arrangement of parts described without departing from the spirit of the invention comprehended within the scope of the appended claims. And although I have designed my device with special reference to its applica-

tion to window-sash cords the same may be used in any other capacity to which it is applicable.

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

1. A device of the class described comprising a body, said body consisting of two longitudinal sections, a tortuous longitudinally extending passage provided in said body formed in the adjacent surfaces of said sections, and means for fastening said sections together, substantially as described.

2. A sash weight comprising a body, said body consisting of similar longitudinal sections, registerable tortuous grooves formed in the contiguous surfaces of said sections, and circumferentially extending means for binding said sections together, substantially as described.

3. A sash weight consisting of a substantially cylindrical body, said body comprising two similar longitudinal sections, registerable tortuous grooves formed in the contiguous surfaces of said sections, said grooves

intermediate the extremities thereof being provided with correspondingly positioned enlargements, and means encircling said body for binding said sections together, substantially as described.

4. A sash weight consisting of a substantially cylindrical body, said body comprising two similar semi-cylindrical sections, registerable tortuous grooves formed in the contiguous surfaces of said sections, said grooves intermediate their extremities being provided with correspondingly positioned enlargements, wire members encircling said body for fastening said sections together, and circumferentially extending grooves in the outer surface of said body for the reception of said fastening wires, substantially as described.

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

TIMOTHY HOLLAND.

Witnesses:

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JOSHUA R. H. POTTS.