

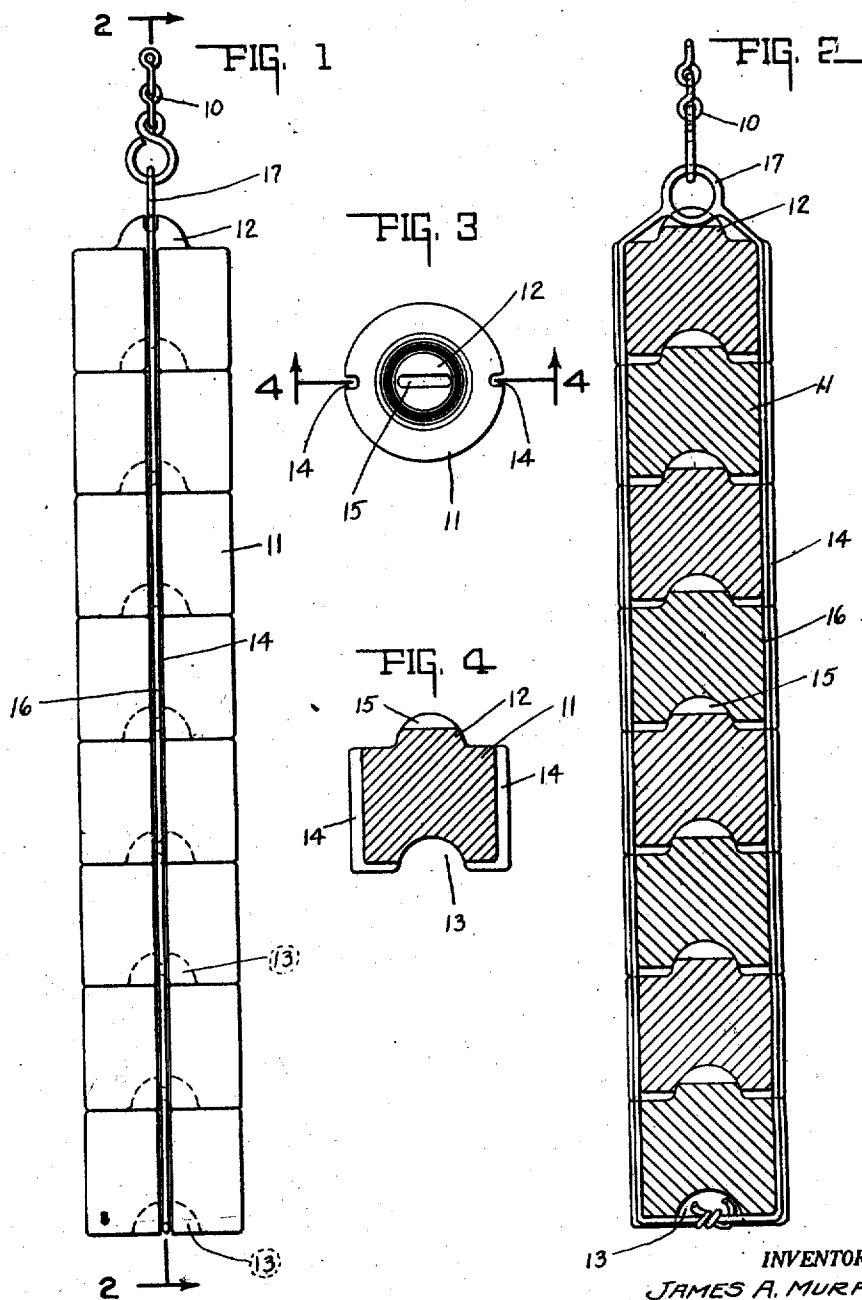
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SECTIONAL SASH WEIGHT

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UNITED STATES PATENT OFFICE.

JAMES A. MURPHY, OF HAMILTON, OHIO.

SECTIONAL SASH WEIGHT.

Application filed November 20, 1922. Serial No. 602,135.

To all whom it may concern:

Be it known that I, JAMES A. MURPHY, a citizen of the United States, and a resident of Hamilton, county of Butler, and State of Ohio, have invented a certain new and useful Sectional Sash Weight; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like numerals refer to like parts.

This invention relates to an improvement in sectional sash weights, particularly for use in connection with windows and the like, applicable, however, to other devices for counter-balancing purposes.

The main object of the invention is to provide a sash weight or counter balance weight which may be built up in sections so as to obtain the weight desired, whereby the manufacturers and dealers of such articles will not have to construct or keep in stock a large number of such articles of varying weights.

A further feature of the invention lies in the simple construction employed for securing a plurality of sections together, whereby the total weight may be varied by adding or removing the proper number of sections. The sections are so designed and moulded that they are interchangeable regardless of size or weight, and may be built up one upon the top of the other, and secured together by a wire rod or cord binding.

The full nature of this invention will be understood from the accompanying drawings and the following description and claim.

In the drawings Fig. 1 is a side elevation showing a sash weight built up of a plurality of sectional members. Fig. 2 is a vertical section therethrough taken on the line 2—2 of Fig. 1. Fig. 3 is a plan elevation of a single sectional member. Fig. 4 is a section taken on the line 4—4 of Fig. 3.

In the drawings there is shown a sash weight suspended by the chain 10 attached in the usual manner at its free end to the article to be counter-balanced. The sash weight is made up of a plurality of section members 11 built one upon the other to secure the desired weight. Each of said members are of uniform diameter but may be of varying thickness. In this respect

the section members may weigh a half pound, one pound, two pounds or five pounds, and it may be desired for most readily obtaining the required total weight even to have fractions of pounds. For aligning the sectional members one upon the top of the other, each of said members is provided with a central projection 12 on one side thereof, and a corresponding recess 13 on the opposite side. Said projection and recess are so designed that the projection will extend into the recess of the adjacent member and fit therein so as to align and center the same and maintain them in proper position relative to each other. It should be noted that in building up the sectional members into the sash weight, as shown in Fig. 1, the centrally projecting portion 12 is preferably on top, while the recess is at the bottom.

Each of said members is provided with a longitudinal slot 14 on each side thereof, said slots being preferably diametrically opposed, and in parallel with the axis through the center thereof, but a plurality of such slots may be used for special purposes or to suit special conditions. The projecting portions 12 are provided with a similar slot 15 extending laterally and diametrically therethrough in a diametrical line between the slots 14. This arrangement permits of a continuous vertical and diametrically opposed slot on each side of the sash weight, as shown in Fig. 1, with the slot extending diametrically across the top.

The sectional members are secured together in their combined formation for providing the sash weight by binding the same with a wire or cord strap 16 extending through the slot 15 at the top of the sash weight and downwardly on each side thereof through the slots 14 to the bottom where it is tied by twisting the wire and clinching it, or tying the cord into a knot which may project into the bottom recess 13.

The attachment is made to the chain or supporting cord 10 through the connecting ring 17, which may be fixedly secured to the binding member or wire 16, or connected therewith by passing the same therethrough. The ring 17 sits in the slot 15. It will be observed that the construction as above described may not only be conveniently manufactured and carried in stock or purchased for obtaining sash weights varying in length and width, but they may be very

easily and readily secured together by the simplest means available, namely binding them together by a wire rod or cord binding strap which is usually available to the ordinary user.

The invention claimed is:

A sectional sash weight comprising a plurality of sectional members, each of said members having a projecting portion on one side thereof and a corresponding recess on the opposite side thereof for receiving the projecting portion of the next adjacent member, each of said members being fur-

ther provided with diametrically opposed slots extending parallel with the axis on opposite sides and across the top and bottom thereof, and a binding band adapted to extend about all of said sections when mounted one upon the other through the aligned slots in the sides, top and bottom of the combined sections for securing said sections together, substantially as and for the purpose described.

In witness whereof, I have hereunto affixed my signature.

JAMES A. MURPHY.