

J. M. GRAYBILL.
SASH WEIGHT.
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1,061,742.

Patented May 13, 1913.

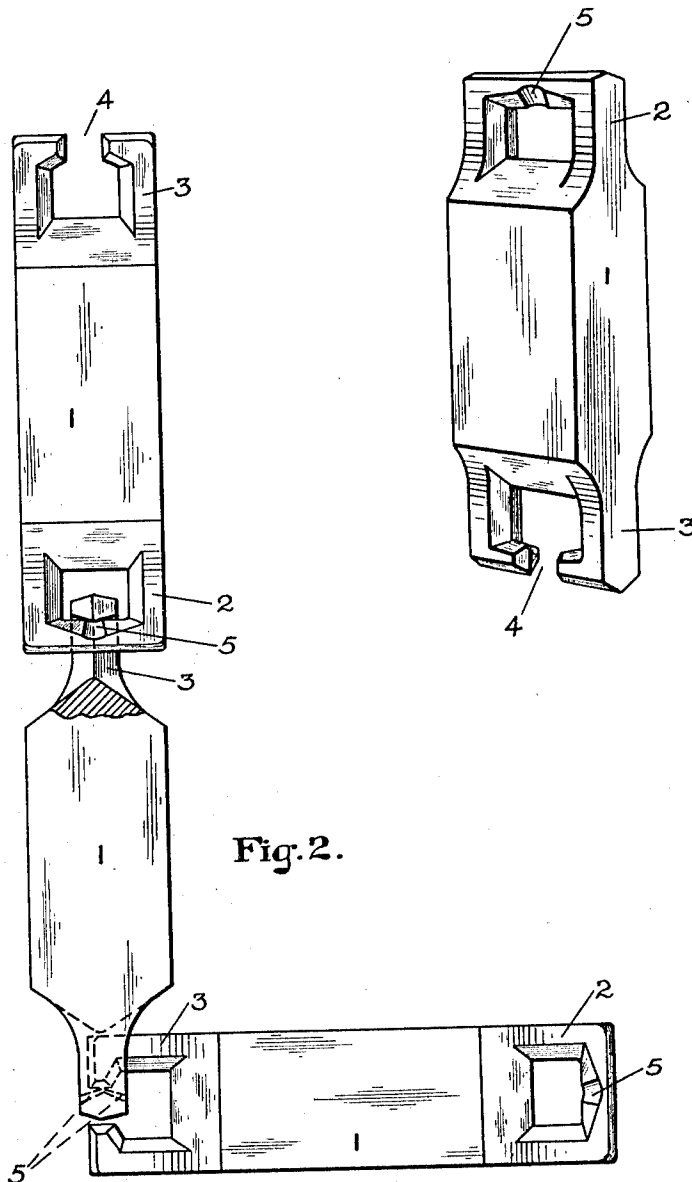


Fig. 1.

Fig. 2.

Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN M. GRAYBILL, OF GARY, INDIANA.

SASH-WEIGHT.

1,061,742.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN M. GRAYBILL, a citizen of the United States, and a resident of the city of Gary, county of Lake, and State of Indiana, have invented certain new and useful Improvements in Sash-Weights, of which the following is a specification.

My invention relates to improvements in sectional sash weights, and has for its object the provision of a sash weight of this character formed of separable sections which are efficient in use.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which—

Figure 1 is a perspective view of a sash weight constructed in accordance with the invention, and Fig. 2 is a view showing two sections in position for use and one section in position for attachment or detachment.

The preferred form of construction, as illustrated in the drawings, comprises a body 1 which is square in cross section and is provided at one end with an extension 2 in the form of a closed stirrup, and at the other end with an extension 3 in the form of a stirrup having a central entry passage 4 in its outer portion. The stirrups 2 and 3 are arranged substantially parallel to each other, or in substantially the same planes, and are beveled on all of their inner edges, as shown to provide draft for casting, as will be readily understood by those skilled in the art. The inner edges of the outer portions of each of the stirrups 2 are provided with central depressions 5 adapted to receive the corresponding edges of an open stirrup to position said stirrups centrally and at right angles to each other and to provide freedom of movement between said stirrups, when in operative relation. By this arrangement it will be observed that the different sections may be readily attached or detached to and from each other by positioning the sections at substantially right angles to each other, as is usual in such constructions, and that, owing to the fact that

the stirrups 2 and 3 on each section are arranged substantially parallel to each other, said sections may be readily cast without the use of cores. The casting of the sections is also facilitated by the employment of the bevels on the inner edges of the stirrups, and recesses 5 serve to position the stirrup 3 centrally in and at right angles to a cooperating stirrup 2 and provide freedom of movement between said sections, so that vibrations and oscillations will not be transmitted readily from one section to another.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the exact details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

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

A sash weight consisting of a plurality of separable sections, each of said sections comprising a body substantially symmetrical in cross-section; an extension at one end of said body in the form of a closed stirrup; and an extension at the other end of said body in the form of a stirrup having an entry passage in its outer end adapted to permit the passage of the outer portion of a closed stirrup on another section, when said other section is arranged at an angle to the first section, and to prevent the passage of said outer portion, when said sections are in substantial alinement with each other, said stirrups being arranged substantially parallel to each other and projecting from said body in substantially the same planes, and the edges of said stirrups being beveled to provide draft for casting substantially as described.

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

JOHN M. GRAYBILL.

Witnesses:

JOSHUA R. H. POTTS,
B. G. RICHARDS.