

No. 804,037.

PATENTED NOV. 7, 1905.

N. A. PETRY.
SECTIONAL SASH WEIGHT.
APPLICATION FILED OCT. 21, 1904.

Fig. 3

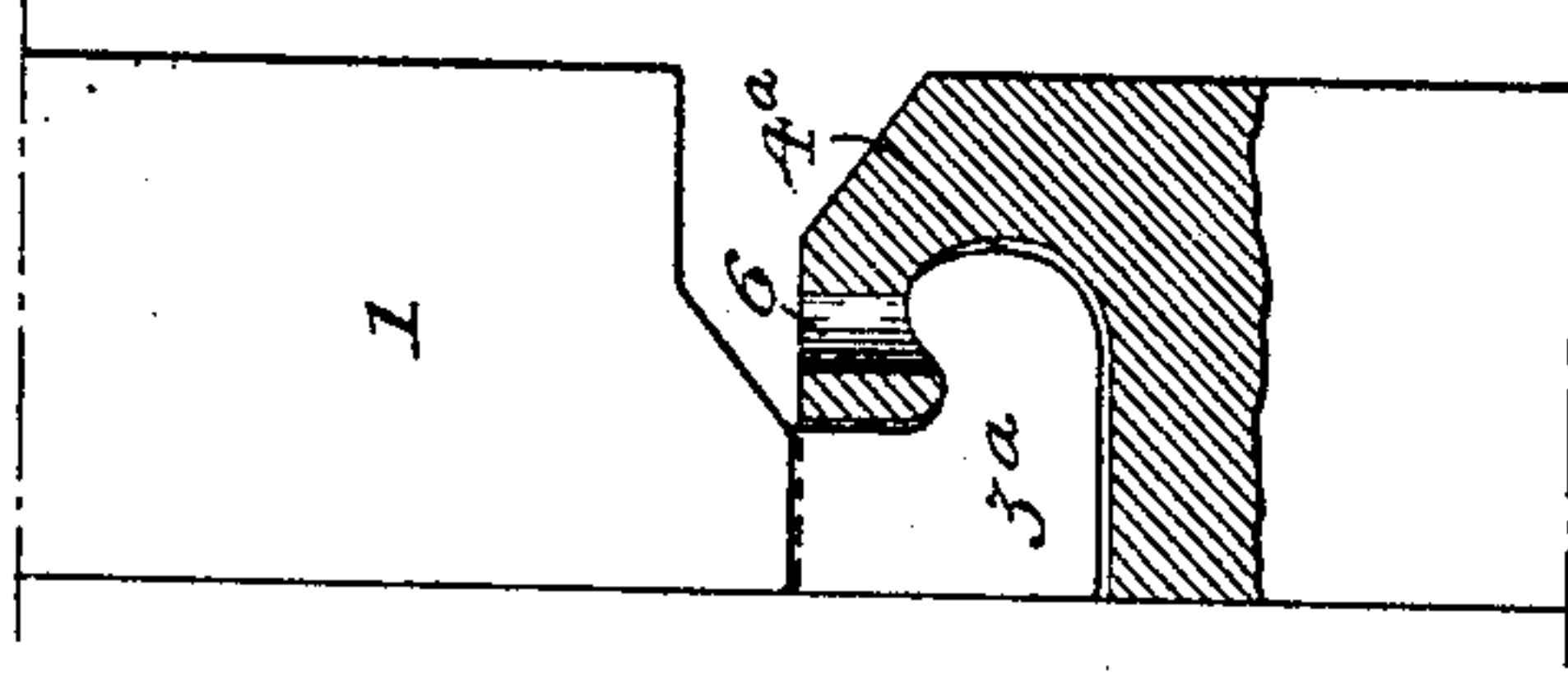


Fig. 2.

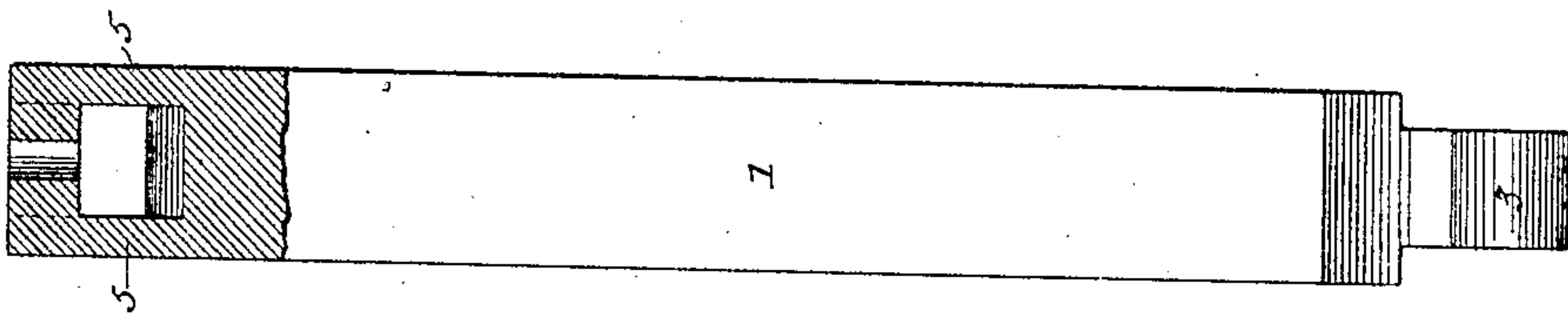
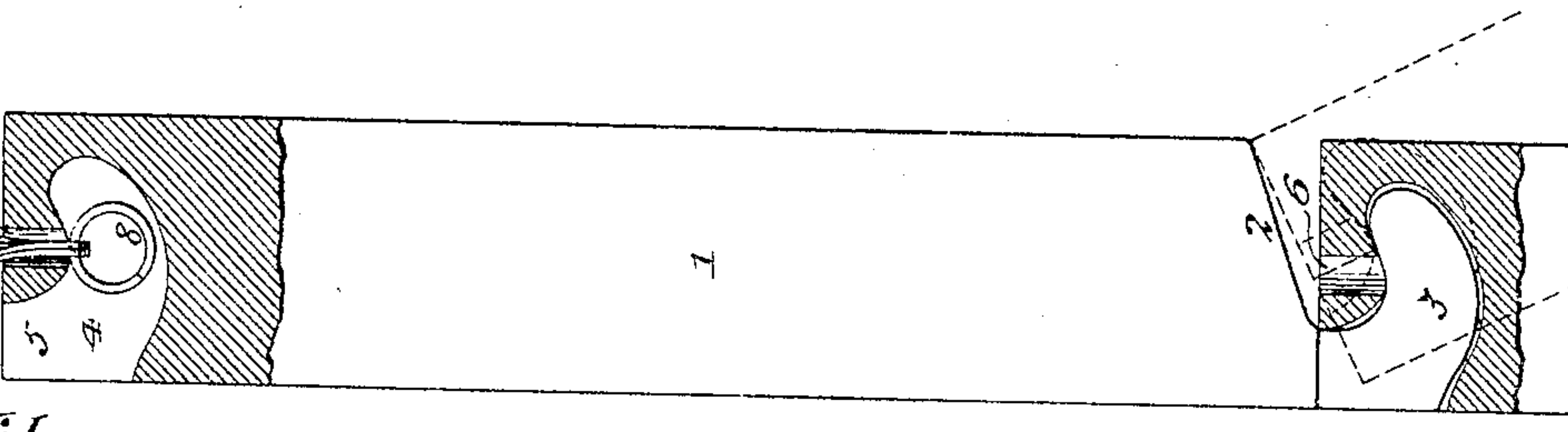


Fig. 1.



Witnesses:
Louis H. Buck.
Titus H. Irons.

Inventor:
Nicholas A. Petry,
by his Attorneys,
Howson & Howson

UNITED STATES PATENT OFFICE.

NICHOLAS A. PETRY, OF PHILADELPHIA, PENNSYLVANIA.

SECTIONAL SASH-WEIGHT.

No. 804,037.

Specification of Letters Patent.

Patented Nov. 7, 1905.

Application filed October 21, 1904. Serial No. 229,512.

To all whom it may concern:

Be it known that I, NICHOLAS A. PETRY, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain
5 Improvements in Sectional Sash - Weights, of which the following is a specification.

My invention relates to that class of sash-weights which are composed of a series of sections or members connected together, the object of my invention being to so construct
10 such a sash-weight as to provide the maximum of weight in each member, to render unnecessary any finishing of the engaging portions of the members after they leave the
15 mold, and to provide simple and efficient means for hanging the weight.

In the accompanying drawings, Figure 1 is a view, partly in side elevation and partly in section, of one member of a sash-weight
20 and part of another member constructed in accordance with my invention. Fig. 2 is a transverse elevation, partly in section, of one of the weight members. Fig. 3 is a view illustrating a modification in the construction of the connecting portions of the weight
25 members.

The various sections or members of the weight are all alike, so that no special selection is needed in fitting them together. Each
30 weight member consists of a body portion 1, preferably of rectangular cross-section and having one end beveled, as shown at 2, this beveled end having a projecting hook 3, which is of less width than the weight member as shown in Fig. 2. The other end of the
35 weight member has formed in it a hook-shaped recess 4, open at one side and bounded by lateral cheeks 5 5, as shown in Fig. 2, that portion of the weight member which projects over
40 the hook-shaped recess having formed in it a vertical opening 6, which occupies a central position—that is to say, a position midway between the four sides of the weight member.

In fitting the successive members of the
45 weight together the member which is to be hung is held in an inclined position, so that the curved hook 3 can enter the mouth of the hook-shaped recess, as shown by dotted lines in Fig. 1, this relation of the weight members
50 being permitted by the beveled end 2.

After being adjusted to the position shown by dotted lines in Fig. 1 the weight member which is being hung is swung down into line
55 vertically with the member above it, so as to effect engagement of the hook 3 of the upper

member with the overhanging portion of the recess 4 of the lower member, as shown by full lines in Fig. 1, the bearing-points of the hook and overhang being in the central vertical plane of the weight members, so that they
60 will hang perfectly straight, and therefore will not come into contact with the sides of the weight-casing of the window-frame.

The hanging of the weight is effected by simply passing the lower link 7 of the suspension-chain through the opening 6 in the top-
65 most member of the weight and then engaging with the inner end of said link a split ring 8, contained in the hook-shaped opening 4, as shown in Fig. 1, or if a rope is employed for
70 the suspension of the weight the lower end of said rope may be passed through the opening 6, drawn out from the recess 4, knotted and then drawn into said recess 4, the knot being of such size that it cannot be pulled
75 through the opening 6.

In that embodiment of my invention as shown in Fig. 3 the shape of the hook 3^a and of the recess 4^a is slightly different from the corresponding parts 3 and 4 of the weight
80 member 1, and the adjoining ends of both weight members are partly straight and partly beveled; but these differences are immaterial and do not affect the objects of my invention.
85

It will be evident that in sash-weights constructed in accordance with my invention there is very little loss of weight due to the construction of the engaging portions of the
90 weight members, this loss being represented by the beveling of the weight member or members and being much less than in any other form of sectional sash - weight with which I am familiar.

Having thus described my invention, I
95 claim and desire to secure by Letters Patent—

1. A sectional sash-weight member having at one end a hooked recess closed at the back, and at the other end a corresponding projecting hook, said member also having a be-
100 veled portion or portions, whereby angular adjustment of adjoining members is permitted in entering the hook of one member into the recess of the other from the front of the latter, substantially as specified.
105

2. A sectional sash-weight member having at one end a hooked recess with side cheek-pieces lying parallel to the plane of said recess, and at the other end a projecting hook
110 less in width than the weight member, said

member also having a beveled portion or portions, whereby angular adjustment of adjoining members is permitted in entering the hook of one member into the recess of the
5 other, substantially as specified.

3. A sectional sash-weight member having a projecting hook at one end and a hook-shaped recess at the other end, the portion forming the top of said recess having an open-

ing for the reception of the suspension rope or chain, substantially as specified.

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

NICHOLAS A. PETRY.

Witnesses:

HARRY SMITH,
JOS. H. KLEIN.