

C. M. CONKLIN.  
SASH WEIGHT.  
APPLICATION FILED OCT. 13, 1908.

913,470.

Patented Feb. 23, 1909.

Fig. 1.

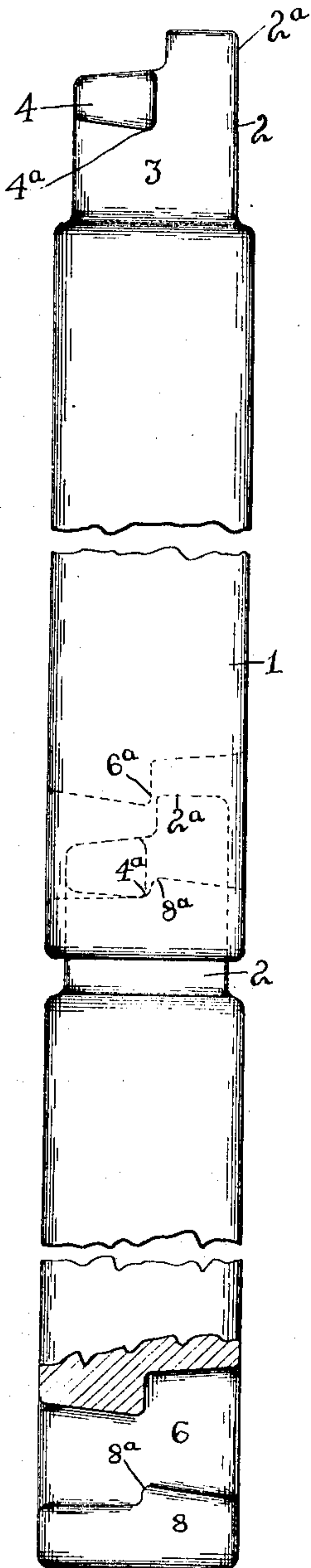


Fig. 3.

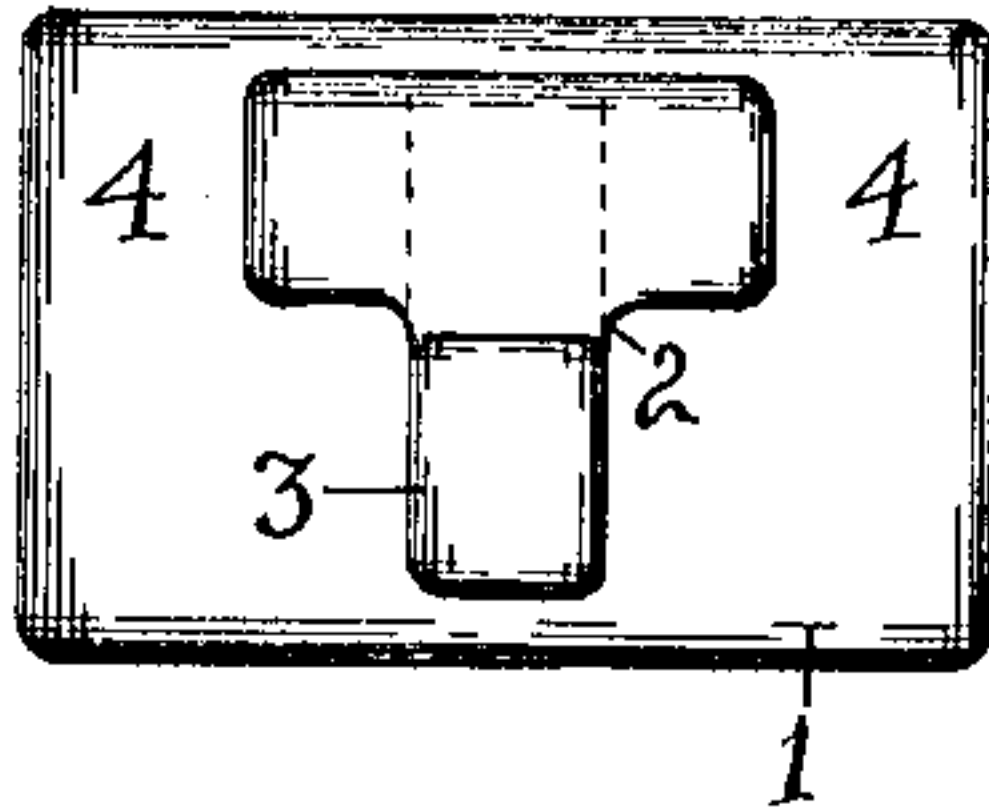


Fig. 4.

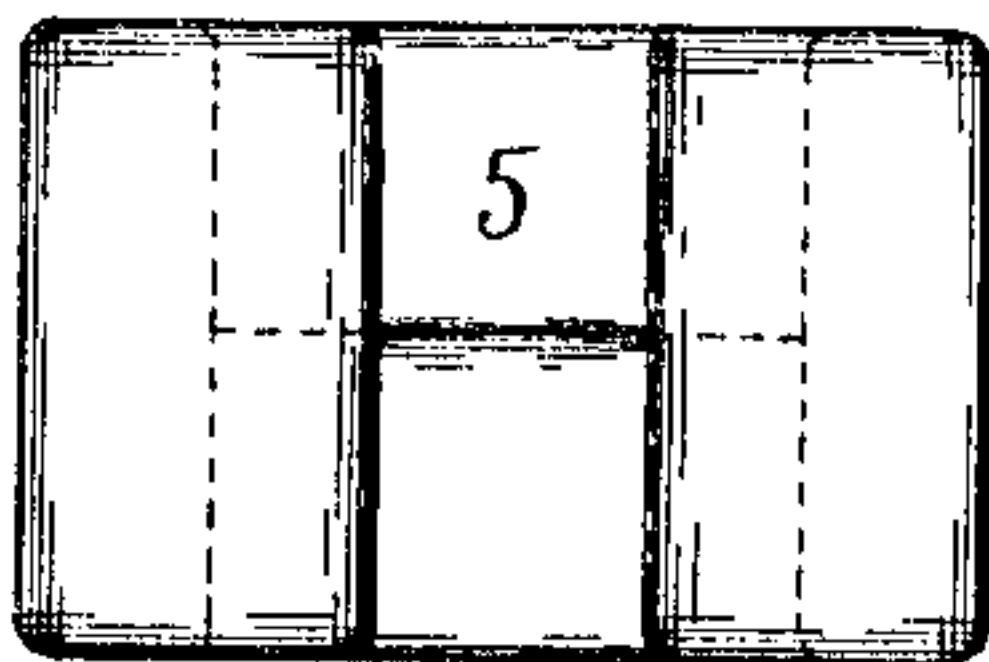
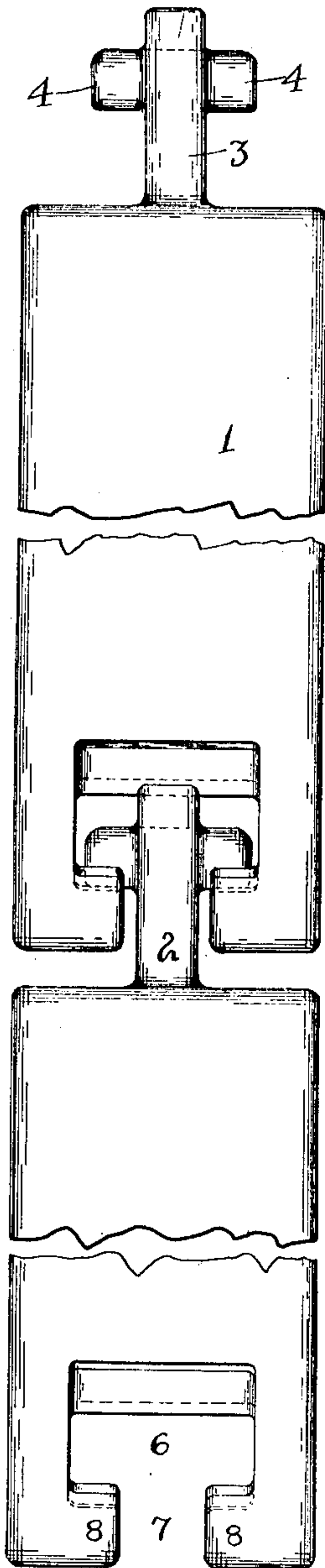


Fig. 2.



Attest.  
Bent, M. Stahl.  
Edward N. Sartou

Inventor.  
Chas. M. Conklin

by *Spur Middleton Donahoe & Spier*  
Attys

# UNITED STATES PATENT OFFICE.

CHARLES M. CONKLIN, OF CINCINNATI, OHIO, ASSIGNOR TO THE LUNKEN STEEL WINDOW CO., OF CINCINNATI, OHIO.

## SASH-WEIGHT.

No. 913,470.

Specification of Letters Patent.

Patented Feb. 23, 1909.

Application filed October 13, 1908. Serial No. 457,545.

*To all whom it may concern:*

Be it known that I, CHARLES M. CONKLIN, a citizen of the United States, residing at Cincinnati, Ohio, have invented certain new and useful Improvements in Sash-Weights, of which the following is a specification.

My invention relates to improvements in sash-weights and more particularly to sectional sash-weights in which two or more sections may be secured together to make up the requisite weight necessary to counter-balance the window sash.

One of the objects of the invention is to provide a sectional sash-weight in which the sections may be coupled together while both members are in approximately upright position and thus obviate the necessity of having to turn one section at right angles to the other when making the connection.

Another object of the invention is to provide in a sectional sash weight a joint secure against accidental displacement when in use and yet one capable of being easily attached and detached when necessary.

The novel features and details of construction, hereinafter described and particularly claimed, are embodied in the accompanying drawings, in which,—

Figure 1 is a side elevation of two sections of my improved weight, with the lower part of the bottom member in section, Fig. 2 is a front view of the members shown in Fig. 1. Fig. 3 is an end view showing the male coupling member of a section, and, Fig. 4 shows the reverse end or female.

In these drawings the numeral 1 designates a representative sash-weight section having the ordinary body portion, its upper end being reduced to form the male coupling member 2. This male member 2 comprises a central rib 3 having thereon two suitable bosses or lugs 4 which are adapted to fit into corresponding recesses formed in the adjoining section. At the lower end of the section I provide a suitable bifurcated or female member 5, which is formed with an enlarged recess 6 to accommodate the lugs 4, and a reduced passage 7 formed by the lugs 8 on each side on which the lugs 4 rest. The lugs

8 are provided with shoulders 8<sup>a</sup> behind which the corners 4<sup>a</sup> of the lugs 4 rest as indicated at the center of Figs. 1 and 2, it being understood that the lower member is connected to the upper by a relative movement from right to left. The extended end 2<sup>a</sup> of the rib or web 2 bearing against the shoulder 6<sup>a</sup> limits the movement. After the parts are in the position shown in Figs. 1 and 2 they are locked in position and against accidental displacement by the respective shoulders and disengagement can only be effected by lifting the lower section.

By the above described construction I am enabled to provide a simple and efficient sectional sash-weight at a minimum cost, and one which is readily coupled and uncoupled while remaining in substantially upright position.

It will be obvious from the above description and by reference to the drawings that I provide a sash weight composed of universal section units, which may be added to or subtracted from according to requirements.

The sash-cords may be conveniently passed around the lugs 4 and tied or otherwise secured. The lower walls or faces of the lugs 4 and the upper faces of the lugs 8 to the left of the shoulder 8<sup>a</sup> are preferably inclined with relation to each other so that the walls diverge from the center. This makes the point of contact or support directly in the center and causes the sections to hang plumb, even though rough places be left by the casting. All opposing walls of the recesses are preferably formed diverging for convenience in casting.

What I claim is:—

1. As an article of manufacture, a sash weight comprising a plurality of sections, each section having a web at one end provided with side projections, and a laterally opening recess at the other, the side walls of said recess having inwardly projecting lugs, and oppositely projecting shoulders on said lugs, and the upper wall of the recess, substantially as described.

2. As an article of manufacture, a sash



weight comprising a plurality of sections,  
each section having a web at one end with a  
pair of laterally projecting lugs and a locking  
portion projecting above said lugs at one side  
5 thereof, the other end of said section having  
a bifurcated portion to receive the lugs of the  
next section; the walls of said bifurcated  
portion having inwardly extending ribs, and

having also oppositely extending locking  
shoulders, substantially as described. 10

In testimony whereof, I affix my signature  
in presence of two witnesses.

CHAS. M. CONKLIN.

Witnesses:

JAMES M. SPEAR,  
HENRY E. COOPER.