J. ROBERTON.

WINDOW CONSTRUCTION.

APPLICATION FILED AUG. 14, 1909.

976,297. Patented Nov. 22, 1910.

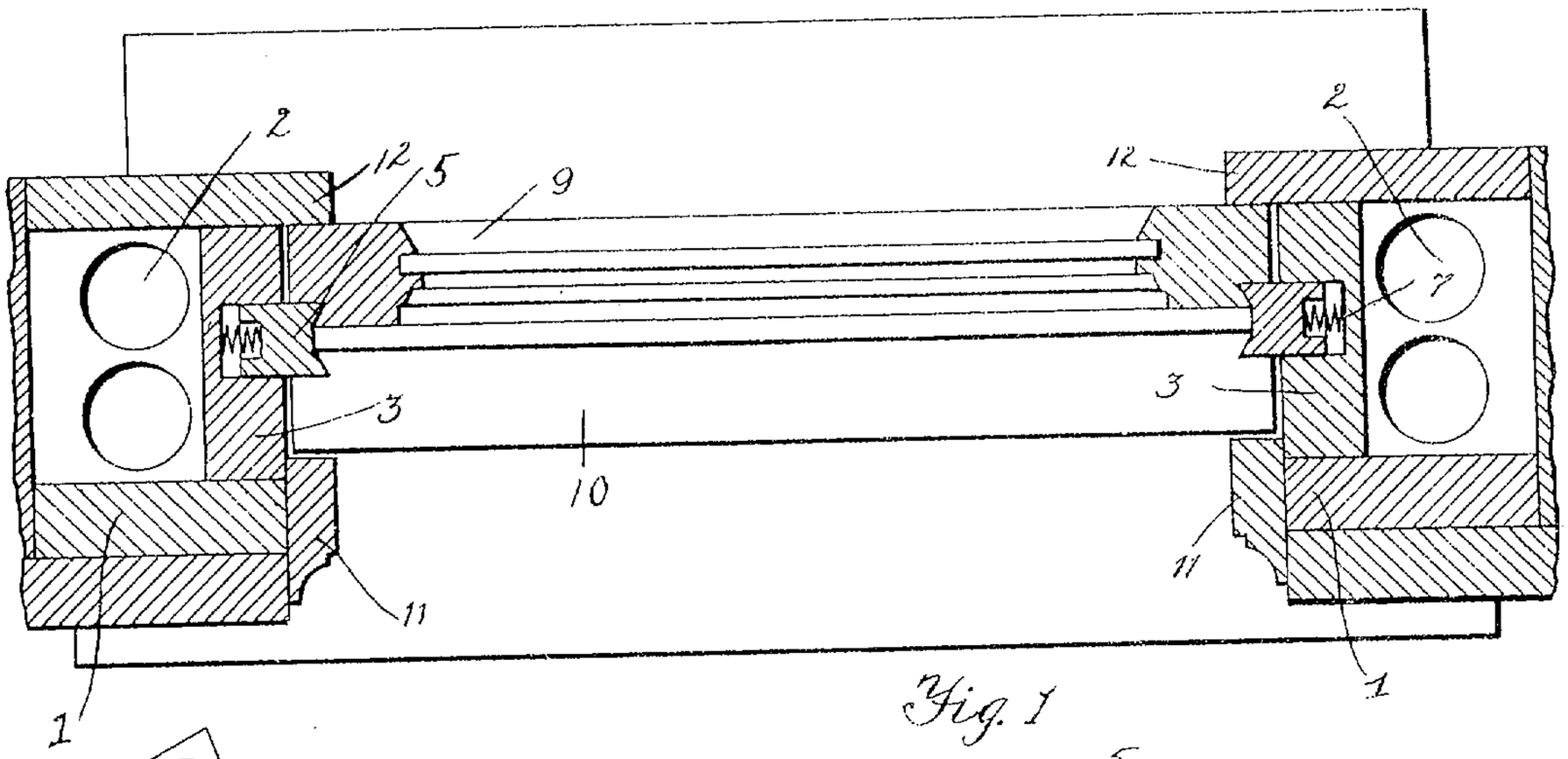


Fig. 1

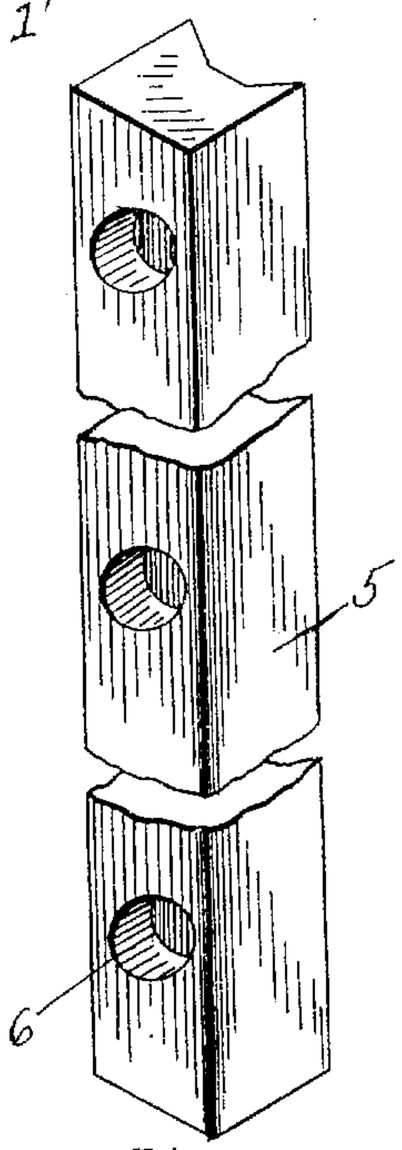


Fig. 4

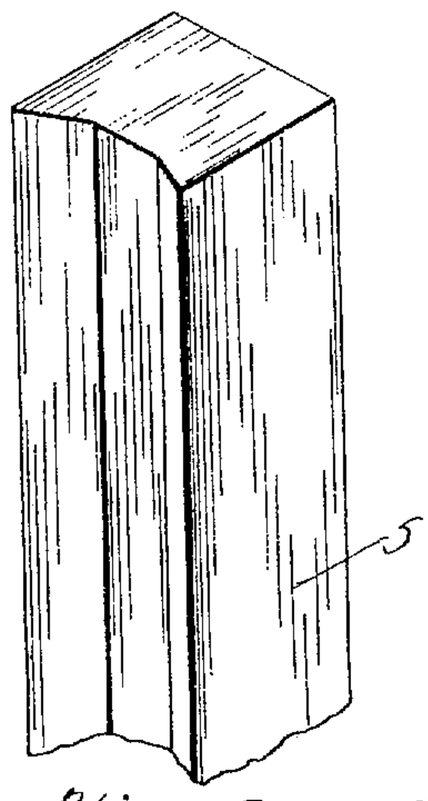


Fig. 5.

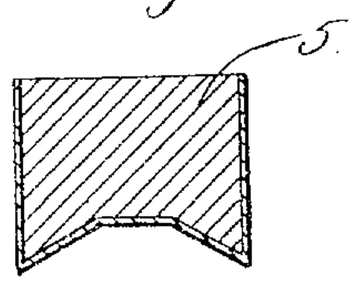
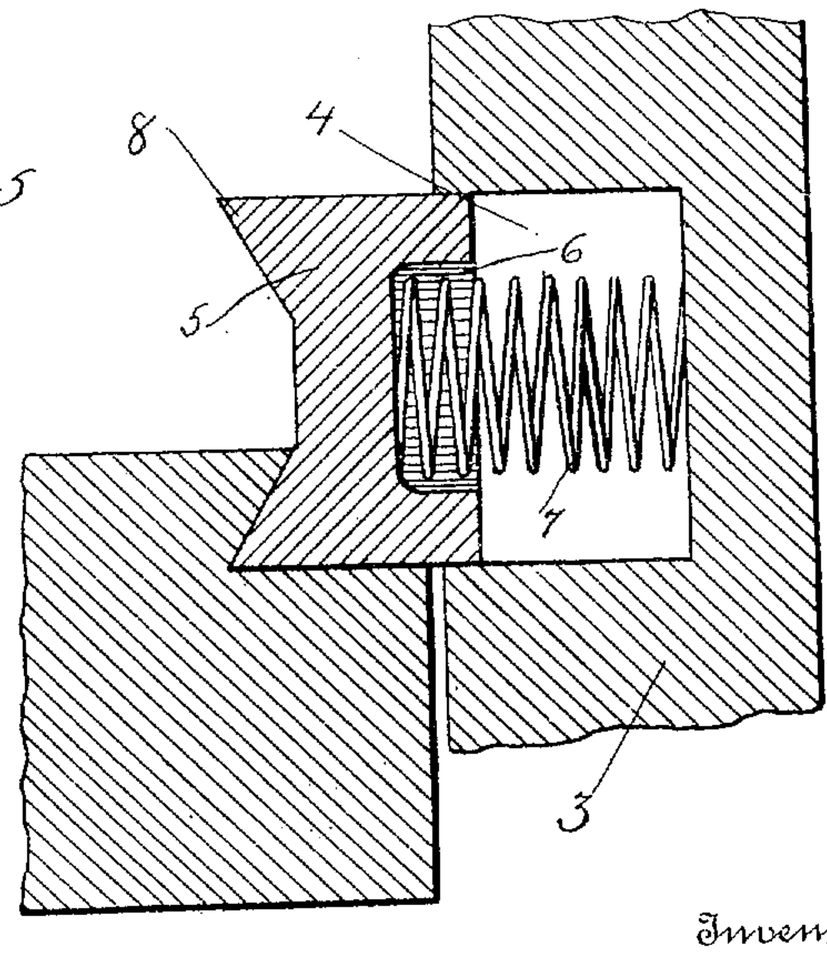


Fig. 3.

Fig. 2.



Inventor

Witnesses

Nathan Abramson.

Lila M. Gillespie

John. Roberton.

By Alex. J. Hedderburn, Jr

Attorney

UNITED STATES PATENT OFFICE.

JOHN ROBERTON, OF NEW YORK, N. Y.

WINDOW CONSTRUCTION.

976,297. Specification of Letters Patent. **Patented Nov. 22, 1910.**

Application filed August 14, 1909. Serial No. 512,902.

To all whom it may concern:

Be it known that I, JOHN ROBERTON, citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Window Construction, of which the following is a specification.

This invention relates to improvements in window constructions and especially refers to the construction of the parting or spacing strip on the window frame.

One of the objects of the invention is the construction of a window parting or spacing strip for a guide for the window and adapted to engage the window in such a manner that the window can have lateral movement.

Another object of the invention is the construction of a parting strip engaging the window under tension and forming a guide for the window.

With the above and other objects in view the invention embraces certain combinations, constructions and arrangements of parts, clearly illustrated in the accompanying drawings, in which,

Figure 1 is a horizontal sectional view showing the invention applied to a window frame having two windows movable thereon, Fig. 2 is a detail vertical sectional view, Fig. 3 is an enlarged detail sectional view of a parting strip, Fig. 4 is a detail perspective view of a portion of a parting strip, and Fig. 5 is another view thereof, in perspective.

Referring to the accompanying drawings, which are merely illustrative of the invention, 1 denotes a window frame, which is provided with vertical weight chambers 2. The window frame is provided with side members 3, which are formed with vertical recesses 4, wherein parting strips 5 may be operatively disposed. The rear faces of the parting strips 5 are provided with countersunk holes 6, which receive spiral springs 7, adapted to normally hold said parting strips outwardly of the side members 3. The outer faces of the parting strips 5 are formed with spaced V-shaped projections 8, adapted to engage with recesses, of corresponding shapes, formed in sashes 9 and 10, which move between fixed guides 11 and 12, secured to the window frame 1. The parting strips 5 have a wedging action on the sashes owing to the V-shaped construction of the projections 8, which tend to draw the sashes toward each other, thereby preventing rattling. The metal facing of the parting strips not only gives the same a good bearing on the sashes but reinforces said parting strips, thereby preventing splitting or spreading. The sashes 9 and 10 may be spaced apart from each other or may be so arranged that there is no space between the same when the cross bars are in a registering position.

In operation the sashes are guided in their movements by the parting strips, which, owing to the tension of the springs 7, allow said sashes to have a certain elastic motion on the window frame. The parting strips serve to effectively seal the joint between the two sashes so that the same serves the purpose of excluding air as well as a guide. Owing to the recesses in the side members 3, which are formed of lengths corresponding to the lengths of the parting strips, the parting strips are securely held by the sashes in operative position therein. Should the windows become wet or warped the parting strips will allow for the expansion of the wood of the sashes so that the sashes will not bind against the frame 1.

Having described my invention I claim and desire to secure by Letters Patent:

A window construction having grooved side strips, window strips in said grooves, said window strips having wedging projections, springs to hold said window strips normally shut, a pair of window sashes having V-shaped grooves on each side, said wedging projections on each parting strip adapted to engage said V-shaped grooves and force said sash closely together.

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

JOHN ROBERTON.

Witnesses:

CHARLES VOGTS,

RICHARD S. BROWN.