(No Model.) 2 Sheets—Sheet 1.

F. E. WATTON.

PACKING STRIP.

No. 458,877. Patented Sept. 1, 1891.

Fig. I.

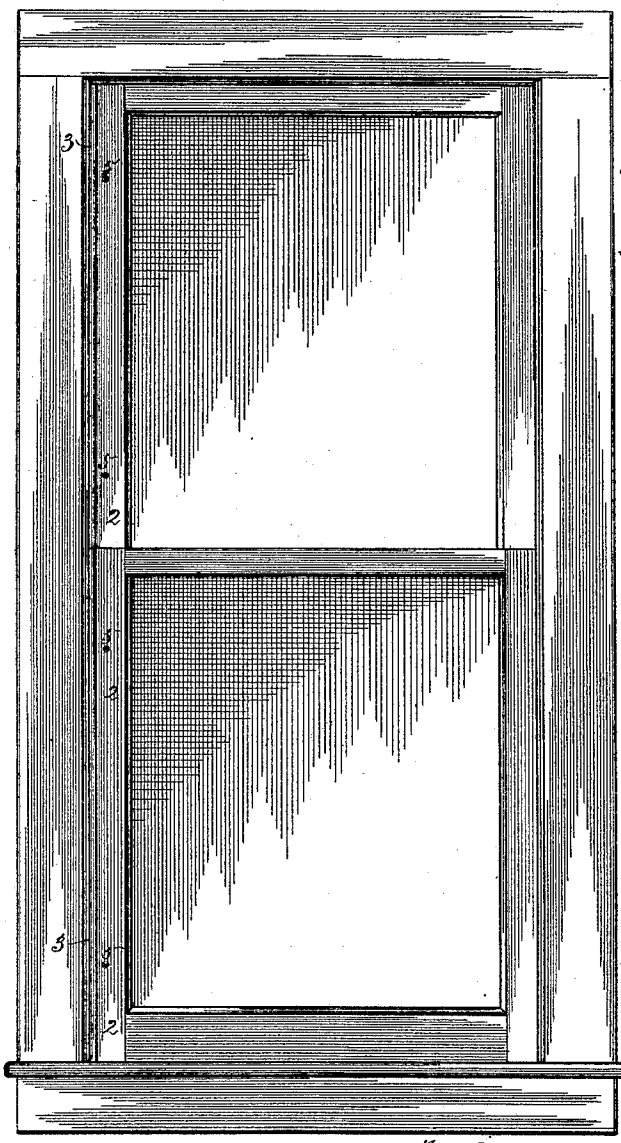


Fig. II

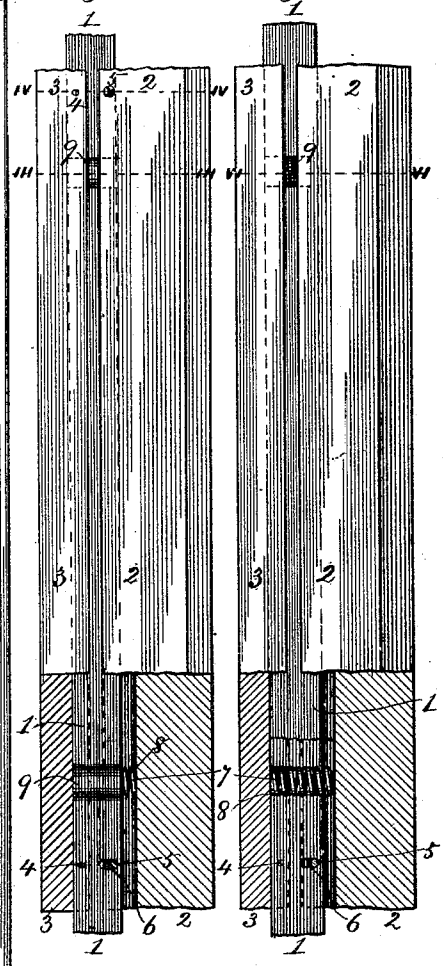


Fig. V.

Fig. III.

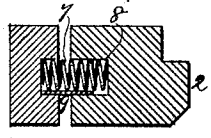


Fig. IV.

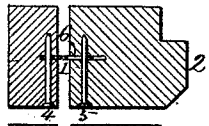
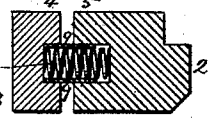


Fig. VI.



Attest:
S. Lotton
Geo. E. Crouse.

Inventor:
Fealdon E. Watton.
By Knight Bros
Attys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

(No Model.) 2 Sheets—Sheet 2.

F. E. WATTON.

PACKING STRIP.

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Fig. VII.

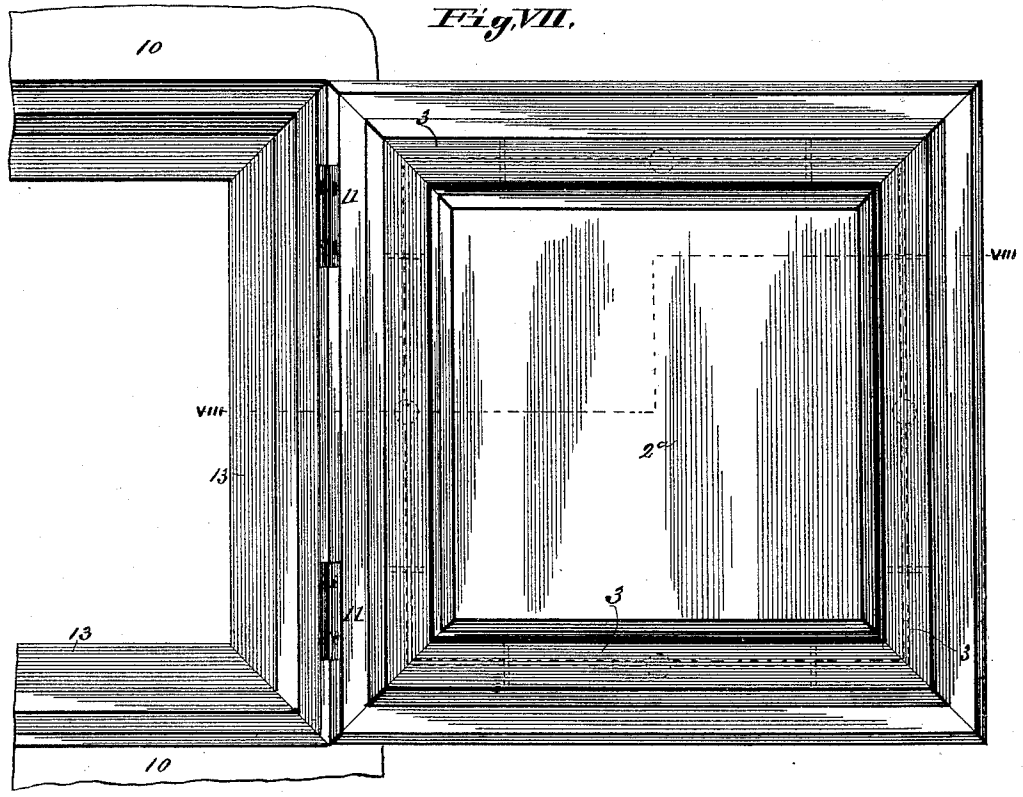
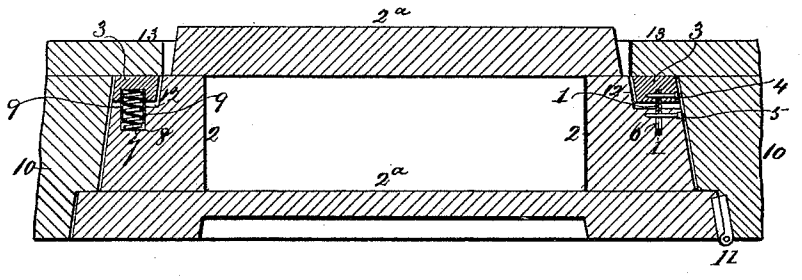


Fig. VIII.



Attest:
S. Cotton
Geo. E. Crosby.

Inventor:
Fealdon E. Watton.
By Knight Bros.
Attys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FEALDON E. WATTON, OF ALTAMONT, ILLINOIS, ASSIGNOR OF ONE-HALF TO GEORGE C. GOETTING, OF SAME PLACE.

PACKING-STRIP.

SPECIFICATION forming part of Letters Patent No. 458,877, dated September 1, 1891.

Application filed November 29, 1890. Serial No. 373,079. (No model.)

To all whom it may concern:

Be it known that I, FEALDON E. WATTON, of Altamont, in the county of Effingham and State of Illinois, have invented a certain new and useful Improvement in Packing-Strips, Stops, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This is an improvement on the invention described in Patent No. 438,042, issued October 7, 1890, to myself and G. C. Goetting, for an improvement in window-sashes, &c.

The present improvement relates to certain details of construction, which will be defined in the claims.

Referring to the drawings, Figure I is a front view of a window-sash with the improvement applied thereto. Fig. II is a front view of part of a side bar of the sash or packing-strip with a portion in section. Fig. III is a transverse section taken at III III, Fig. II. Fig. IV is a transverse section taken at IV IV, Fig. II. Fig. V is a view similar to Fig. II, showing the metal tongue of modified construction. Fig. VI is a transverse section taken at VI VI, Fig. V. Fig. VII is an inside elevation of the door of an ice-chest with the improvement applied thereto. Fig. VIII is a transverse section of the door, taken at VIII VIII, Fig. VII, showing also part of the case in section at the same planes.

The invention will be first described in the form shown in Figs. II, III, and IV, in which the tongue 1 consists of a single plate, one of whose edges is inserted in a groove in the sash-bar 2 or its equivalent and the other edge in the packing strip or stop 3. The tongue is rigidly secured to one of the parts 2 or 3 by pins 4 passing through one of these parts or strips 3, Fig. IV, and is movably secured to the other part or bar 2, Fig. IV, by pins 5 passing through the bar and through transverse slots 6 in the tongue. The strip 3 is forced from the bar or other part 2 by any suitable spring or springs 7, spiral springs being shown for this purpose. The springs rest in sockets 8, made in the parts 2 and 3, the axes of the sockets being in the plane of the tongue. The tongue is curved in semi-cylindrical form at these points 9, so as to fit the interior of the sockets and to fit freely the outside of the spring, thus hiding the part of the spring which would otherwise be in view between the strip 3 and part 2, upon that side. This curved part 9 serves to stiffen the plate and steady the strip 3.

In the form shown in Figs. V and VI the tongue 1 consists of two similar plates side by side, having the semi-cylindrical parts 9 opposite each other, thus forming together a cylindrical bushing around the spring 7. This bushing serves to support the spring on both sides and prevents any of its coils entering between the parts 2 and 3, in which position they would interfere with the inward movement of the strip 3. The bushing gives both longitudinal and transverse support to the strip and confines it to a direct inward and outward movement to and from the part 2.

In Figs. VII and VIII the improvement is illustrated in its application to a door. 10 may represent part of the body of an ice-chest, to which the door 2^a is hinged at 11. The packing strip or stop 3 is in the form of a rectangular frame connected to the parts 2 of the door by the tongue 1 and means of attachment before described. The door is grooved or rabbeted out at 12 to receive the strip or stop. The body 10 has a flange 13, against which the packing strip or stop closes as the door is shut, to make a tight joint between the door and the body 10.

I claim as my invention—

1. The combination of the packing strip or part 3, the part 2, tongue 1, with curved portions 9 connecting the parts 2 and 3 and working in one or both of these parts, and a spring forcing the strip or part 3 from the part 2, all substantially as set forth.

2. The combination of the strip or part 3, part 2, tongue 1, connecting the parts 2 and 3 and consisting of two plates having curved portions 9 and provided with slots 6 and the connecting-pins 4 and 5, and spring 7, all arranged substantially as and for the purpose set forth.

FEALDON E. WATTON.

In presence of—
R. M. FANCHER,
C. W. ZAHUVIO.