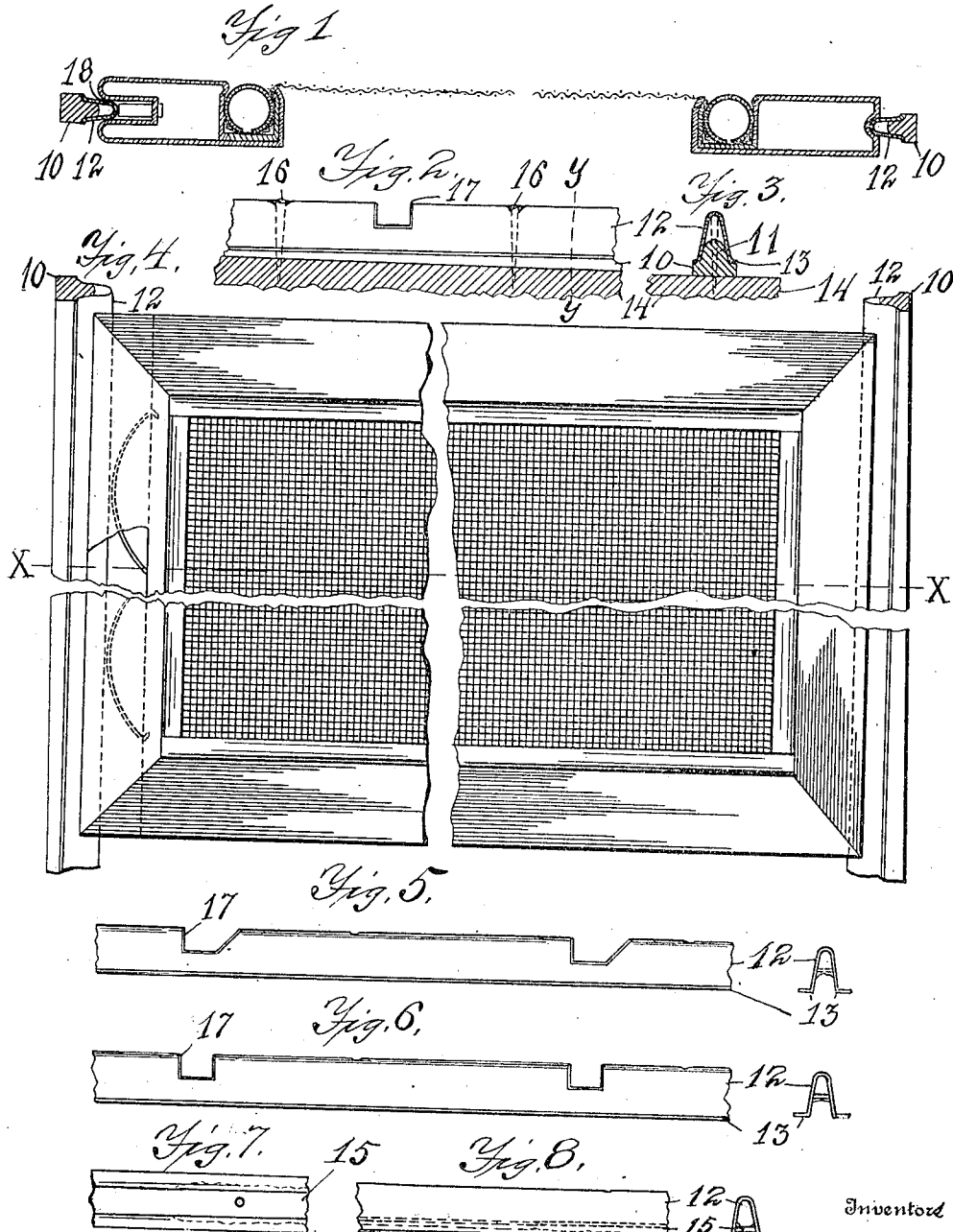


H. W. & W. W. WATSON.
GUIDE STRIP FOR SLIDING SCREENS.
APPLICATION FILED JUNE 17, 1909.

943,800.

Patented Dec. 21, 1909.



Witnesses

J. A. Ellsworth
C. B. Aird

Henry W. Watson
and William W. Watson
By S. Arthur Baldwin

Inventors

Attorneys

UNITED STATES PATENT OFFICE.

HENRY W. WATSON AND WILLIAM W. WATSON, OF JAMESTOWN, NEW YORK.

GUIDE-STRIP FOR SLIDING SCREENS.

943,800.

Specification of Letters Patent.

Patented Dec. 21, 1909.

Application filed June 17, 1909. Serial No. 502,733.

To all whom it may concern:

Be it known that we, HENRY W. WATSON and WILLIAM W. WATSON, citizens of the United States, and residents of Jamestown, in the county of Chautauqua and State of New York, have invented new and useful Improvements in Guide-Strips for Sliding Screens, of which the following, taken in connection with the accompanying drawing, is a full, clear, and exact description.

The invention relates to guide strips on the casing of windows and similar openings for sliding screens and blinds and the present construction is an improvement upon the guide strip shown in our Letters Patent No. 817,409, bearing date April 10, 1906; and the object of our improvement is first, to provide a metal guide strip which may be used by itself; second, to provide a combination wood and metal guide strip which has all the advantages of an all-metal strip, so that it may be notched for catches in the metal portion; said metal portion being made in the U-shape with turned out edges which give the sides a strong bracing hold upon the supporting base, which base is preferably made of wood, as in our former guide strip, so that it may be fitted to the inequalities of the casing, the present base being so formed as to greatly strengthen the metal portion of the guide strip.

In the drawings, Figure 1 is a sectional view at line X X in Fig. 4, showing the guide strips in section at each side of the window screen. Fig. 2 is a side elevation of a portion of the window strip, showing the square notch for the catch and the method of attaching the strip to the wood base and casing. Fig. 3 is a sectional view at line Y Y in Fig. 2. Fig. 4 is a plan view of a window screen and the guide strips at each side, the central portion of the screen being broken away both vertically and horizontally. Fig. 5 shows a side and end elevation of the metallic portion of the strip having notches therein with a beveled side; and Fig. 6 shows similar views with square sided notches therein. Fig. 7 is a plan view of the under side of a portion of the metal strip showing a brace soldered within the same to hold the sides of the metal portion of the strip at the attaching points so as to hold the metal part of the guide strip

firmly in line; and Fig. 8 shows side and end elevations of the same.

Similar numerals refer to corresponding parts in the several views.

The numeral 10 indicates the wooden portion or base of the guide strip which has a tongue 11 formed on its outer edge for attaching the sheet metal portion 12.

Sheet metal portion 12 is made in a U-shaped form having the edges 13 adjacent the base turned outwardly so that the tongue of the wood base fits within the metal part 12 and preferably extends part way toward filling the same, it not being necessary to entirely fill said metal part 12 by the tongue 11 except in extremely light metals. The sides of the base 10 each side of the tongue 11 are grooved out to receive the turned edges 13 of the metal part 12 so that they firmly fit within the same and brace against the sides of the tongue and base. The extension of the metal part 12 down each side of the tongue 11 also prevents the base 10 from splitting when attached to the casing 14. In order to hold the sheet metal channel shaped part 12 so that it can not separate or spread, metal cross braces 15 are provided preferably at the point of attachment to the casing so that the metal brace 15 will brace upon the sides of the screw or nail thereby preventing sideways movement or spreading of the metal part 12. The metal part 12 is attached to the base 10 and casing 14 by suitable nails or screws 16. It is apparent that the brace 15 might be continuous.

The shape of the metal part 12 allows of the easy insertion of the guide within the groove 18 in the frame side of a screen or inside blind. Also when it is desired to provide notches for catches or bolts in order to hold a window or screen, either a square sided or beveled sided notch may be easily provided within the metal portion 12 by cutting a notch therein in the desired shape and then attaching in the notch a piece of sheet metal bent to the form of the notch, as shown at 17 in Figs. 2, 5, and 6, or the sheet metal may be pressed in by suitable dies.

As in our former guide strip, the base 10 of the guide strip is left uncovered by sheet metal in order that it may be fitted to the window casing. Casings are often out of

true and the wooden base allows of the exact fitting to the casing so that the guide strips may be exactly adjusted and a screen or window will run true between the guide strips at the opposite sides of the casing.

It is apparent that the wood base 10 may be entirely eliminated where the window casings are parallel, as for example, in sheet metal work, and the form of the oppositely turned flanges 13 being preferably as shown in Figs. 5, 6, and 8 so as to press squarely against the casing, the sheet metal tie or brace 15 serving the purpose of keeping the sides of the guide strip from spreading apart.

We claim as new:

1. A guide strip for sliding screens and the like comprising a U-shaped sheet metal strip, cross braces for the inner sides of said U-shaped sheet metal strip at the attaching points, said strip having notches in the outer edge thereof, the walls of said

notches formed of sheet metal soldered to said strip, and means for attaching said strip to a support.

2. A guide strip for sliding screens and the like comprising a U-shaped strip 12 having turned out edges 14, a cross brace 15 attached to the inner sides of said strip, a wooden base portion 10 having a lengthwise tongue to fit within said U-shaped strip and receive said turned out edges on each side of said tongue, strip 12 having holes therein for attaching to the base portion, substantially as and for the purpose specified.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

HENRY W. WATSON.
WILLIAM W. WATSON.

Witnesses:

I. A. ELLSWORTH,
A. W. KETTLE.