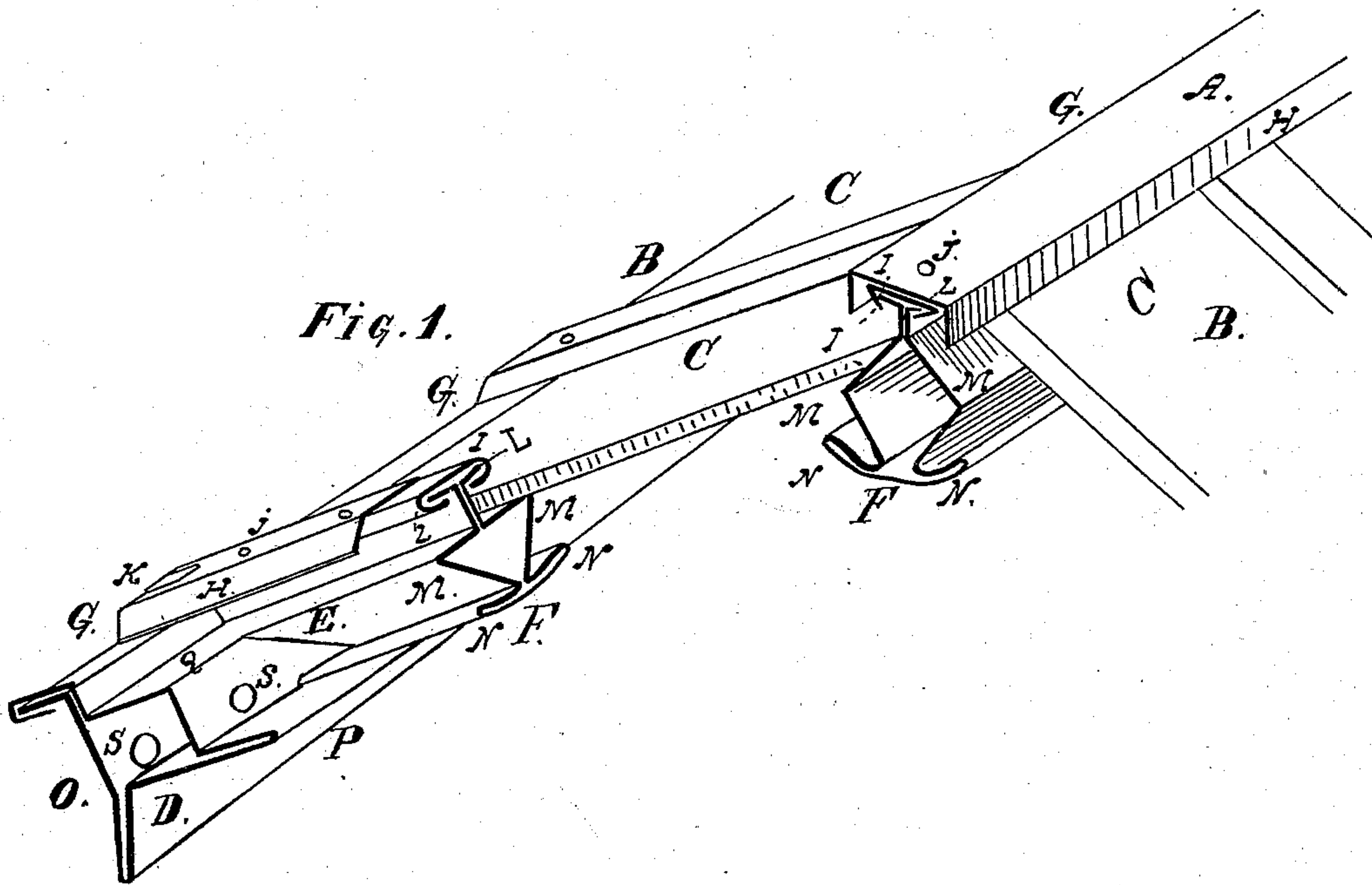


Skylight Sash and Frame.

No. 207,019.

Patented Aug. 13, 1878.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH L. COX, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN SKYLIGHT SASH AND FRAME.

Specification forming part of Letters Patent No. **207,019**, dated August 13, 1878; application filed June 1, 1878.

To all whom it may concern:

Be it known that I, JOSEPH L. COX, of the city of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Skylight Sash and Frame; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters of reference marked thereon, which form a part of this specification.

The accompanying drawing represents a perspective view of my invention.

The object of my invention is to furnish improvements in the construction of sheet-metal skylight sash and frame; and consists in the peculiar shape into which the several parts are formed, as hereinafter explained, by bending simply without cutting and soldering, whereby greater strength is insured, and the whole is rendered more easy of construction, all of which is further explained by reference to the accompanying drawing, in which—

A is the ridge. B B are the roofs. C are the panes of glass. D is the eaves-bar, which supports the eaves of the roof. E is the sash or interior frame-work.

The ridge A and sash E are similar in construction. They consist each of three pieces—the base-bar F, formed from one piece, and the sliding bar G, consisting of two pieces, cap H and clasp I, which cap and clasp are secured together by rivets J, when they are slid lengthwise upon the base-bar F in the manner shown, and may be easily removed at any time, as occasion may require, for repairing or inserting new panes of glass, &c., by removing the clasp K.

The base-bars F consist of flanges L, which are formed from the edges of the plate, and to which the sliding bar is secured by them; shoulders M, which support the panes of glass, and flanges N, which form gutters for conveying away the drippings of water which ac-

cumulate upon and flow from the glass, all being formed from one piece of plate, and the edges of the same are perfectly protected by the clasp I.

The eaves-bar D is also constructed from one piece of metal, which is formed into the shape substantially as shown in the sectional end view at O, and consists of flange P, which forms a gutter, and also supports the lower end of the sash E, and shoulder Q, which supports the lower edges of the glass. The base-bar is provided with openings S for the escape of water from the gutters to the outside of the roof.

The eaves-bar D and sash E and ridge A are first constructed in the manner described, when they are united together in the ordinary manner.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The peculiar construction of the ridge A and sash E, each consisting of base-bar F, provided with flanges N, shoulders M, flanges L, clasp I, and cap H, all substantially as and for the purpose specified.

2. The combination of the sliding bar G, consisting of cap H and clasp I, with the base-bar F, substantially as and for the purpose specified.

3. The eaves-bar D, constructed, as shown in the sectional end view at O, from one piece of metal, provided with shoulder Q, flange P, and openings S, substantially as and for the purpose specified.

4. The combination of the base-bar D, sash E, and ridge A, the said several parts being formed as described, for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOSEPH L. COX.

Witnesses:

HENRY B. MCGARIGLE,
JAS. B. ERWIN.