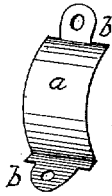


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STAIR-RODS.

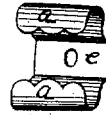
No. 7,111.

Reissued May 16, 1876.

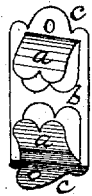
*Fig. 1*



*Fig. 2*



*Fig. 3*



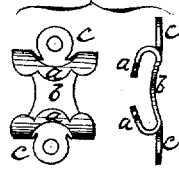
*Fig. 4*



*Fig. 5*



*Fig. 6*



Witnesses:  
*H. Newell*  
*James H. Hunter*

Inventor:  
*W. T. Mersereau*

# UNITED STATES PATENT OFFICE.

WILLIAM T. MERSEREAU, OF ORANGE, NEW JERSEY.

## IMPROVEMENT IN STAIR-RODS.

Specification forming part of Letters Patent No. 107,941, dated October 4, 1870; reissue No. 7,111, dated May 16, 1876; application filed November 16, 1875.

*To all whom it may concern:*

Be it known that I, WILLIAM T. MERSE-  
REAU, of Orange, in the State of New Jersey,  
have invented certain new and useful Im-  
provements in Fastenings for Stair-Rods; and  
hereby declare that the following is a full, clear,  
and exact description of the same, reference  
being had to the accompanying drawings,  
which form part of this specification.

Before my invention sheet-metal stair-rod  
fastenings were constructed in various ways.  
In one case a band was passed over the flat  
rod, having ears at its extremities for secur-  
ing the rod to the stair-case by the aid of  
tacks or small screws. In this instance the  
rod was merely encompassed in the angle of  
the stair-case against the carpet, and not se-  
cured within the fastening itself. Also, such  
fastening, taken as a whole, is practically con-  
tinuous, and very liable to become bent by  
reason of there being no under support to the  
parts. In the other case the flat rod was se-  
cured by overlapping bands of the fastening,  
the bands holding the rod down, while at the  
same time the back of the fastenings served  
to retain the rod as within a socket, so that  
there was no danger of the rod shifting in the  
angle of the stair-case against the carpet; but  
there was no element combined with this fast-  
ening by which it could be conveniently se-  
cured to the stair-case, and released therefrom.  
In case it was desired to release the fasten-  
ing from the stairs the rod had to be first  
withdrawn.

By my invention I have combined in a fast-  
ening a support for both edges, a support for  
the rear surface of the rod with another ele-  
ment, namely, ears exterior thereto, for the  
attaching and detaching of the fastening, thus  
overcoming the objectionable features of and  
difficulties experienced with both classes of  
fastenings for flat rods heretofore in use.

In the drawings, Figure 1 represents one  
class of fastenings referred to; Fig. 2 repre-  
sents the other; and Figs. 3, 4, 5, and 6 are

several illustrations of fastenings, in each of  
which is embodied my invention.

In Fig. 1 is seen the support *a* for the front  
of the rod, consisting of the whole of the band  
of the fastening; also the ears *b b* for attach-  
ing the fastening to the stair-case, but there  
is here found no support for the rear surface  
of the rod.

In Fig. 2 is seen the support *a a* for the  
edges of the rod, consisting of overlapping  
portions of a band, and a support, *e*, for the  
rear surface of the rod, but there is here found  
no way of attaching the fastening to the  
stair-case, except by passing a nail or screw  
through some part of this support *e* or back  
of the fastening.

In Figs. 3, 4, 5, and 6 will be found a sup-  
port, *a a*, for the two edges of the rod, con-  
sisting of a part of a band, being shown as  
formed up from out of the part which consti-  
tutes the back or rear support to the rod;  
also, the back *b*, which is left after the front  
support has been cut out and formed up  
therefrom, proper incisions having been made  
in the sheet metal for that purpose, also, ex-  
terior to these two elements, which form a  
socket for the rod to pass into or through, a  
third element, namely, ears *c*, for the purpose  
of attaching this socket form of stair-fasten-  
ing to the stair-case, and also for releasing  
it therefrom without first withdrawing the  
rod. These parts so combined are struck or  
formed up out of sheet metal, all in one piece,  
by suitable tools.

I claim—

A formed-up sheet-metal stair-rod fastening,  
in which there is a support or back for the  
rear surface, and a support for the two edges  
of the rod, and two ears exterior to such parts,  
all in one piece, substantially as described.

W. T. MERSEREAU.

Witnesses:

K. NEWELL,  
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