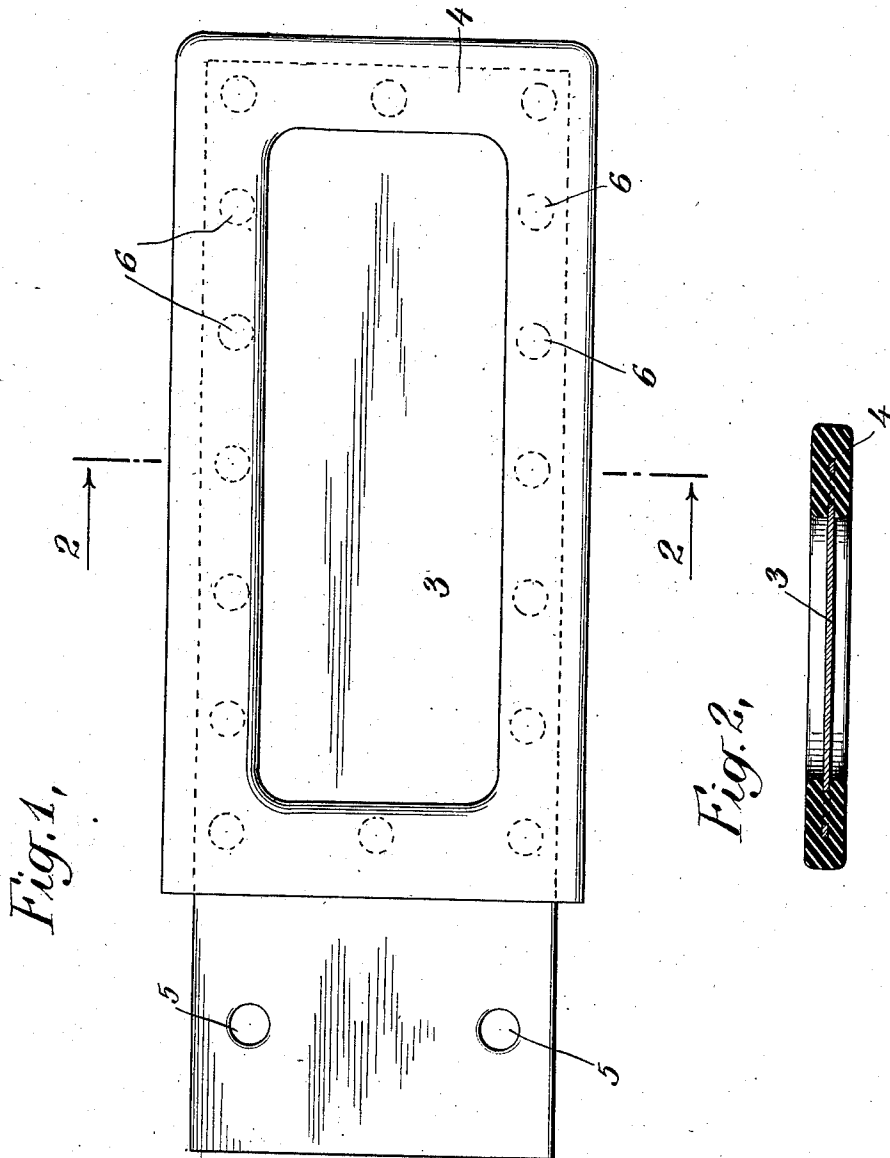


M. D. HANLON.
SIGNAL BLADE.

APPLICATION FILED APR. 23, 1910.

985,167.

Patented Feb. 28, 1911.



WITNESSES:

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MARQUIS D. HANLON, OF WILKINSBURG, PENNSYLVANIA, ASSIGNOR TO THE UNION SWITCH & SIGNAL COMPANY, OF SWISSVALE, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

SIGNAL-BLADE.

985,167.

Specification of Letters Patent.

Patented Feb. 28, 1911.

Application filed April 23, 1910. Serial No. 557,182.

To all whom it may concern:

Be it known that I, MARQUIS D. HANLON, a citizen of the United States, and a resident of the borough of Wilkesburg, county of Allegheny, State of Pennsylvania, have invented certain new and useful Improvements in Signal-Blades, of which the following is a specification.

My invention relates to blades for railway signals. It is particularly adapted for use with what is known in the art as "dwarf signals", but it may be utilized in connection with any signal in which a signal blade is used.

My invention has for an object a blade which is made of flexible metal, the edges of which are covered by rubber or other similar protective material to prevent injury to workmen and others who might come into contact with the blade.

I will describe a signal blade embodying my invention and then point out the novel features thereof in claim.

In the accompanying drawings, Figure 1 is a view showing a side elevation of a signal blade embodying my invention. Fig. 2 is a transverse sectional view taken on the line 2—2 of Fig. 1 looking in the direction of the arrows.

Similar reference characters refer to similar parts in each of the views.

Referring to the drawings, the blade is made of a piece of flexible metal 3, prefer-

ably of spring steel, and a rubber edging 4 therefor, the purpose of which edging is the protection of persons from being injured by coming into contact with the blade, as might occur if the edges of the metallic blade were not in some way protected. The flexible metal piece 3 is adapted to be secured to a semaphore signal casting in the usual manner by the provision of bolt holes 5. The edging 4 may be secured to the flexible metallic piece 3 by molding. For this purpose the metallic piece is provided with holes or perforations 6 and is placed in a mold. The rubber or other protective substance is then poured into the mold in a molten condition to form the edging.

Having thus described my invention, I claim:

A signal blade comprising a sheet of flexible metal having an uncovered end portion for connection with a semaphore signal casting, and an edging of rubber secured to the sheet of metal and covering such edge portions as are not protected by the semaphore casting.

In testimony whereof, I have signed my name to this specification, in the presence of two witnesses.

MARQUIS D. HANLON.

Witnesses:

JOHN D. TAYLOR,
J. B. STRUBLE.