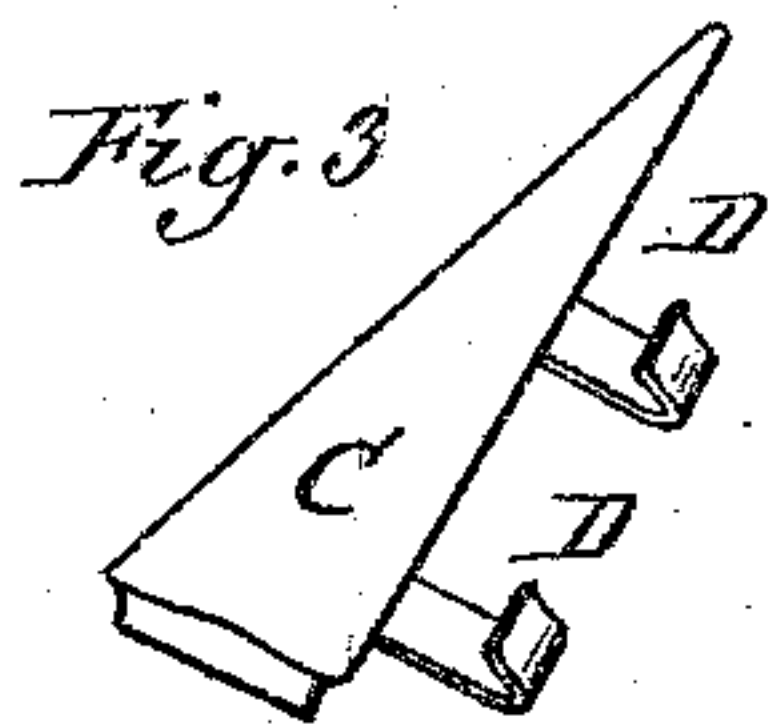
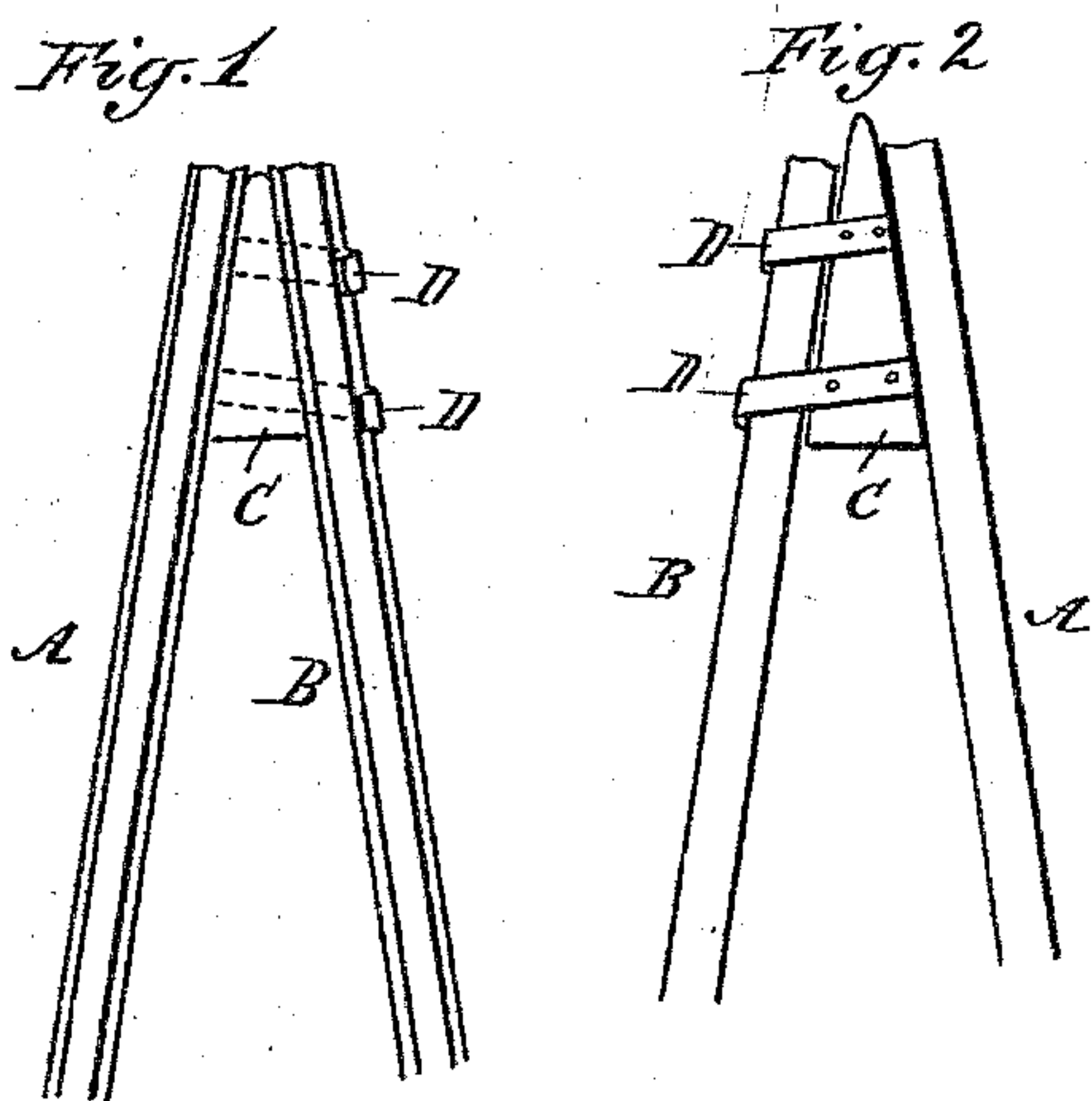


(No Model.)

F. W. SPENCER.
RAILWAY FOOT GUARD.

No. 287,973.

Patented Nov. 6, 1883.



Attest:

A. Barthel
E. Sully

Inventor:

Frank W. Spencer
by his Atty. Wm. L. Sprague

UNITED STATES PATENT OFFICE.

FRANK W. SPENCER, OF FLINT, MICHIGAN.

RAILWAY FOOT-GUARD.

SPECIFICATION forming part of Letters Patent No. 287,973, dated November 6, 1883.

Application filed June 16, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. SPENCER, of Flint, in the county of Genesee and State of Michigan, have invented new and useful
5 Improvements in Railway Foot-Guards; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

10 The nature of this invention relates to certain new and useful improvements in guards to be placed between and secured to the rails wherever such guards are necessary in ap-
15 proaching switches or frogs, to prevent accident by the accidental catching of the foot—an accident which frequently arises to the loss of limb, and frequently of life, where such guards are not provided.

20 Figure 1 is a plan view of a section of two diverging rails with my guard in place. Fig. 2 is a bottom plan of the same, and Fig. 3 is a detached perspective of the guard.

In the accompanying drawings, which form a part of this specification, A B represent two
25 converging railway-rails as ordinarily laid in approaching a switch or frog.

C is a guard designed to rest upon the ground or tie between such rails and against the foot of such rails, and it is made wedge shaped, to

fit the angle made by the divergence of the 30 rail. To the bottom of this guard, and projecting to one side thereof, there are secured two arms or iron plates, D, their outer ends being turned back partially upon themselves to grasp that portion of the foot of the rail op- 35
posite the portion against which the guard rests, thereby forming a chair to support the guard in place. By this construction the guard is easily put in place, and will form a sure
40 preventive against the accidents which frequently occur.

What I claim as my invention is—

1. A wedge-shaped guard for railway-frogs, provided with arms or plates constructed to pass under one of the rails, and forming a 45
chair to hold said guard in position, substantially as and for the purpose specified.

2. The guard for railway-frogs herein described, consisting of the wedge-shaped guard C, having arms D attached thereto, whose 50
outer ends are turned back partially upon themselves, thereby forming a support for the guard and a means for securing it in place, substantially as and for the purpose set forth.

FRANK W. SPENCER.

Witnesses:

THOMAS HOLMES,
CHAS. A. DURAND.