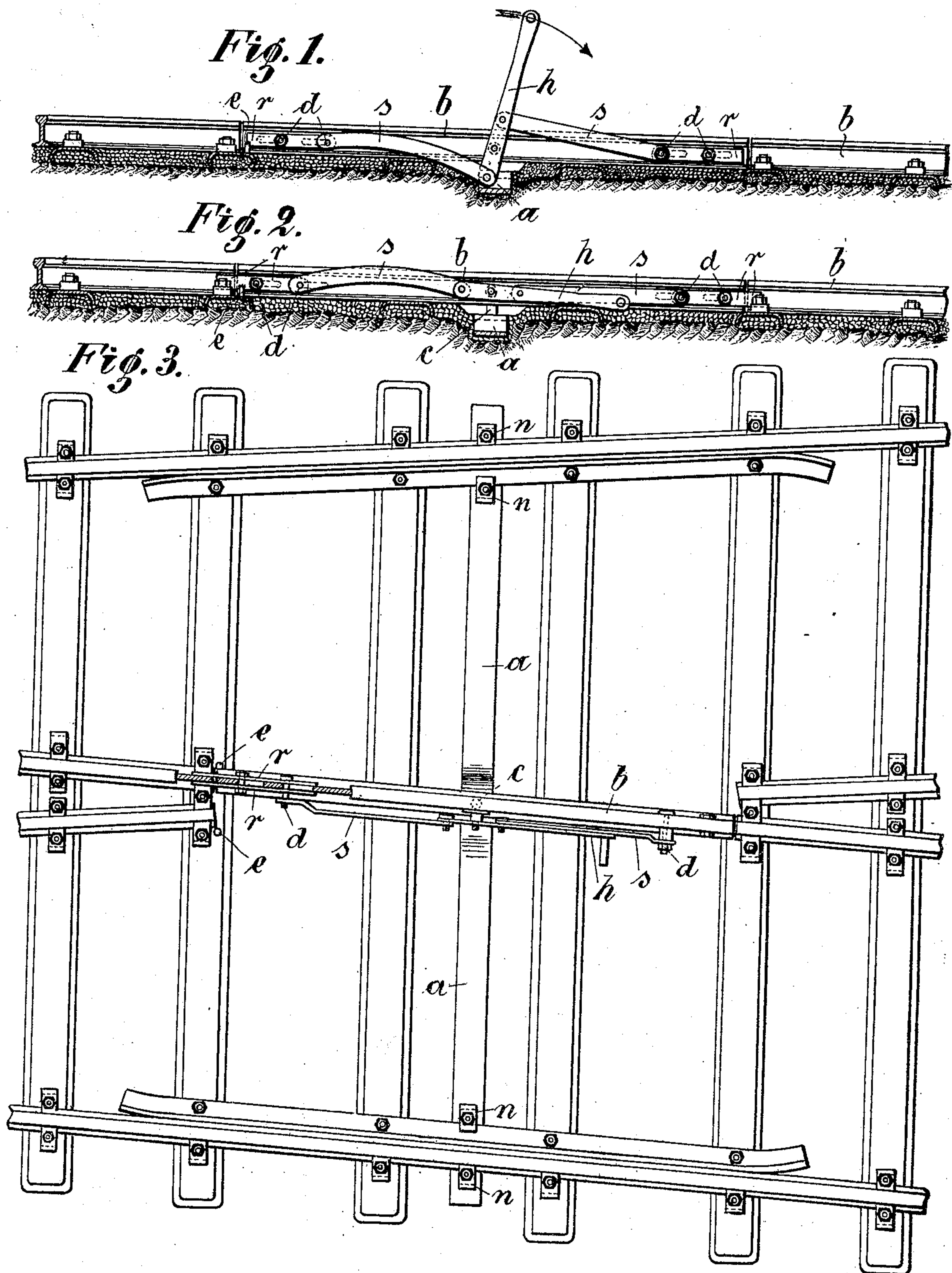


B. RUHBAUM.
RAILWAY SWITCH.
APPLICATION FILED NOV. 27, 1907.

928,704.

Patented July 20, 1909.



Witnesses:
S. F. K. Johnson
H. Freeman

Inventor:
L. Ruhbaum

UNITED STATES PATENT OFFICE.

BERNHARD RUHBAUM, OF REMSCHEID, GERMANY.

RAILWAY-SWITCH.

No. 928,704.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed November 27, 1907. Serial No. 404,034.

To all whom it may concern:

Be it known that I, BERNHARD RUHBAUM, a subject of the German Emperor, and resident of Remscheid, Germany, have invented certain new and useful Improvements in Railway-Switches, of which the following is a specification.

In railway traffic the drawback occurs that the cross-pieces in switches and rail crossings of the rail track when damaged can not easily and quickly enough be replaced.

The present invention overcomes this drawback in that instead of the damaged cross-pieces a substitute member which can be easily inserted is built-in between the rails, which member consists of a rail-piece having at both ends locking bars and being movably mounted on a transverse beam.

The improved arrangement is shown on the accompanying drawing in Figures 1 and 2 in an elevation and plan respectively.

The transverse beam *a* with the pivot *c* for the reception of the rail-piece *b* is provided with angle-pieces adjustably held by screws on the beam *a* and adapted to fix the beam to the foot or side of the rail track. Generally, only one screw has to be tightened on each side of the beam *a* in order to fix the latter. On both ends of the rail-piece *b* a locking bar is arranged between rail head and foot. The locking bars are connected by

bolts *d* which reach through slots of the rail stem. To move the locking bars a hand lever *h* is provided and pivotally connected to the latter by means of rods *s*. Upon moving down the lever, the locking bars are shifted so as to clamp themselves around the stems of the two rails to be connected by the rail-piece *b*.

To prevent the rail-piece *b* from being displaced when operating the locking bars, abutments *e* may be provided.

Having fully described my invention, what I claim and desire to secure by Letters Patent is:—

A substitute for damaged cross-pieces in railway tracks, comprising in combination with the rail track, a transverse beam having adjustable angle-pieces to fix the beam between the rail track, a rail-piece movably mounted on said beam, locking bars on said rail-piece, and a hand lever connected to said locking bars to fix said rail-piece to the two rails to be connected, for the purpose set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

BERNHARD RUHBAUM.

Witnesses:

WILHELM FLASCHE,
CLEMENS HECKMANN.