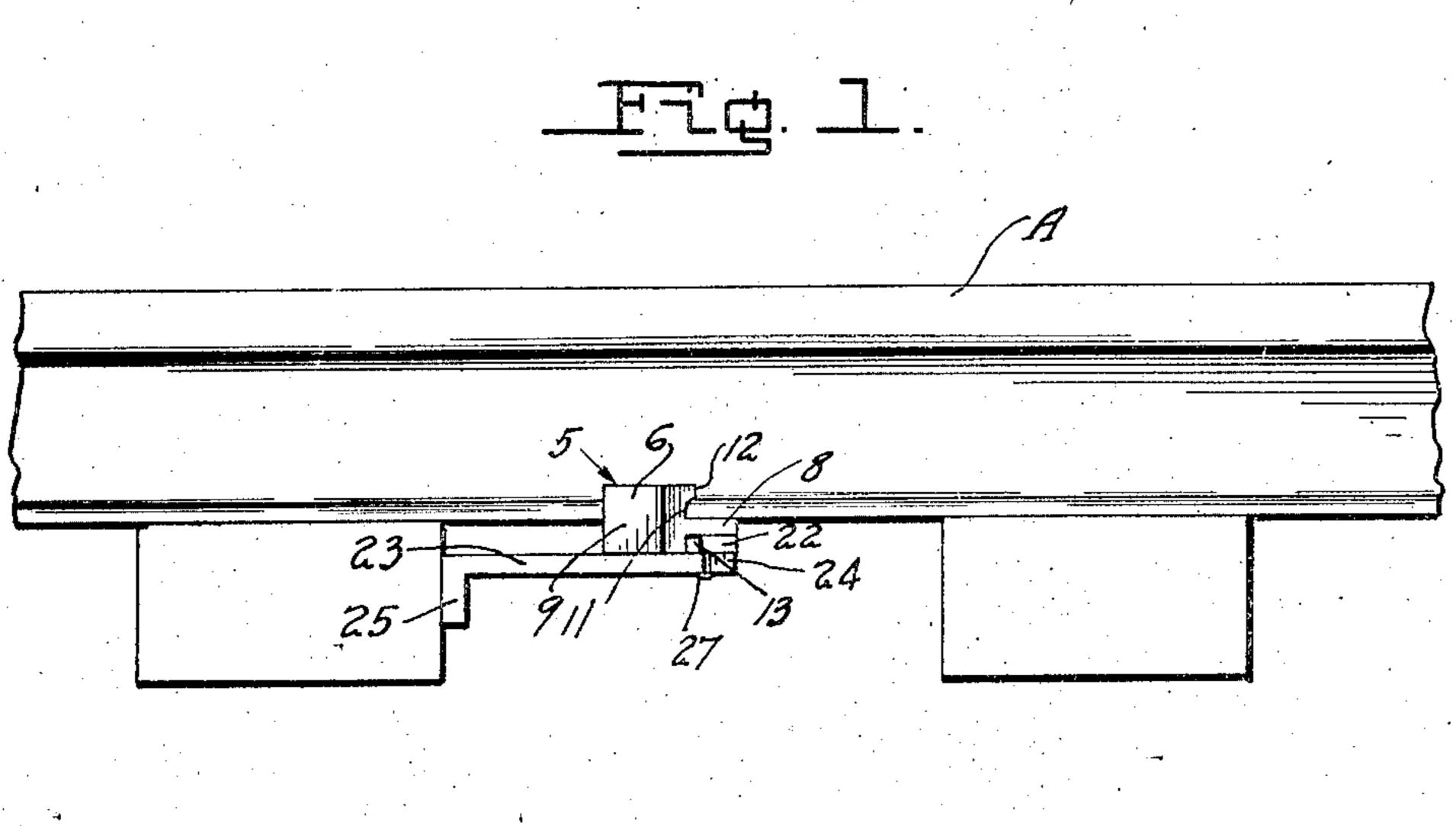
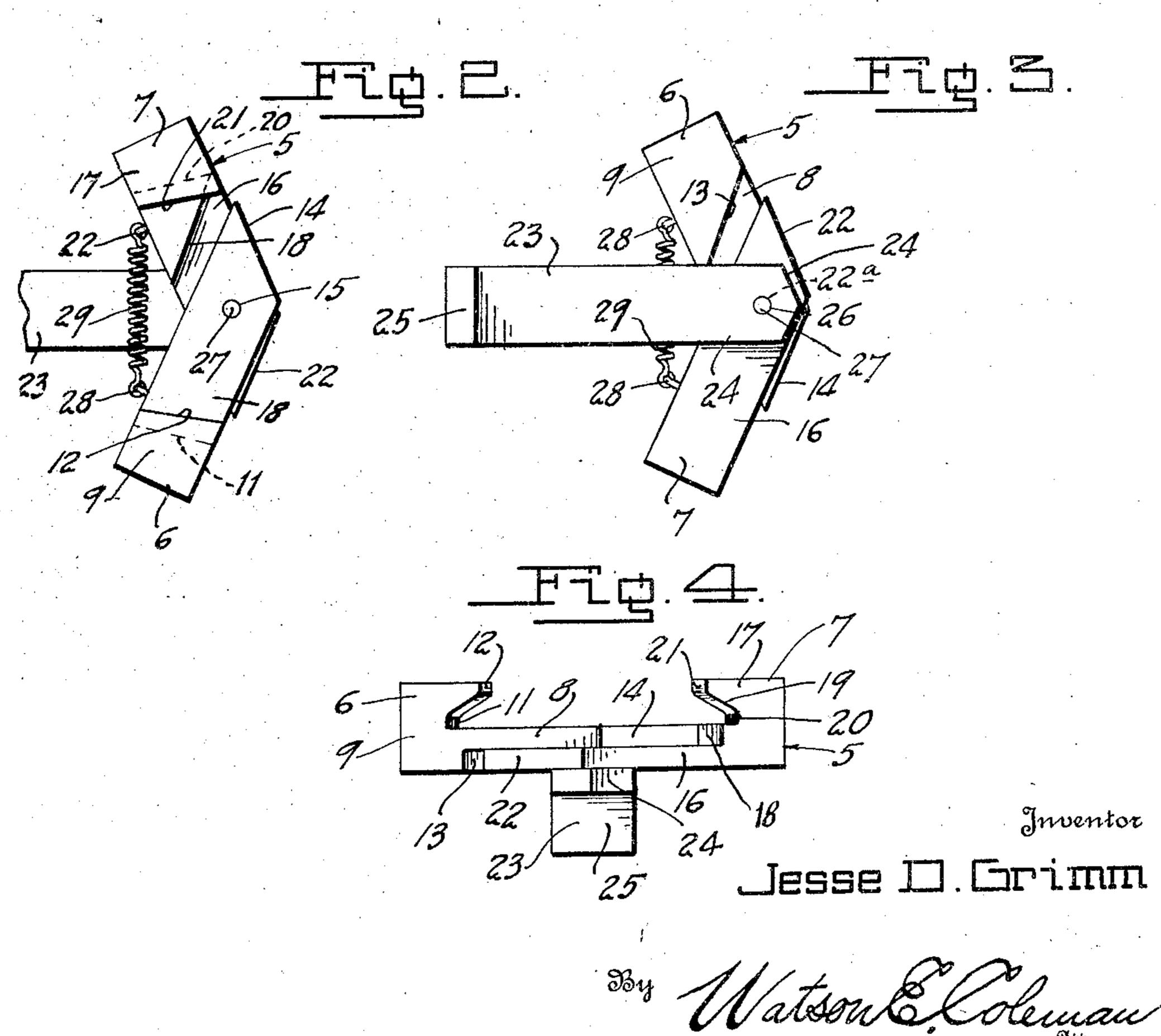
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J. D. GRIMM.

ANTICREEPER FOR RAILROAD RAILS.

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UNITED STATES PATENT OFFICE.

JESSE D. GRIMM, OF WATERSVILLE, MARYLAND.

ANTICREEPER FOR RAILROAD RAILS.

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To all whom it may concern:

citizen of the United States, residing at portion of the enlargement, or that portion 5 State of Maryland, have invented certain shank, is canted as at 13 in the opposite new and useful Improvements in Anticreep- direction to the inclination of the face 12

15 quiring fastening means for connecting the tion 14.

device to the rail or tie.

direction, and means engaged with the jaws to the end face 13, but canted in the oppocreeping movement of the rail.

25 It is a further object of the invention to provide a device of this character including a pair of movably connected jaws, said jaws

30 rail.

invention consists in the improved construction shank is canted, said canted portion being 35 claimed and illustrated in the accompanying drawings, in which:—

Figure 1 is a side elevation of an anticreeper for railroad rails constructed in accordance with an embodiment of the in-40 vention, the anti-creeper being applied to

the rail:

Figure 2 is a top plan view of the anticreeper:

Figure 3 is a bottom plan view; and

45 Figure 4 is an end elevation.

an anti-creeper embodying jaws 6 and 7. in the same plane. At the same time, the The jaw 6 includes a shank 8 having its end stops 13 and 18 limit pivotal movement of portion 9 enlarged, said end portion pro- the jaws. 50 jecting beyond the side faces of the shank, When the jaw members are assembled the one of said projecting portions having its canted end face of one jaw member is disend face undercut to provide a jaw, the in- posed substantially parallel with the longi-55 the rail.

the shank and disposed substantially paral-Be it known that I, Jesse D. Grimm, a lel to the inner wall 11. The opposite end Watersville, in the county of Carroll and projecting from the opposite side of the 60 ers for Railroad Rails, of which the fol- and inner wall 11 of the shank to provide lowing is a specification, reference being a stop, said stop terminating substantially had to the accompanying drawings. at the central portion of the shank. The 65 10 This invention relates to anti-creepers for end portion 14 of the shank is canted, the railroad rails, and has for its object to pro- canted portion 14 being disposed in paralvide a device of this character capable of lel relation to the canted portion 13 of being applied to any rail without requir- the stop. An opening 15 is provided in ing alteration of the rail, or without re- the shank 8 adjacent the canted end por- 70

The jaw member 7 includes a shank 16 Another object of the invention is to having an enlarged extension 17 projecting provide a device of this character includ- from the end portion of one face of the ing jaw members adapted to engage a rail, shank, said enlarged portion having its end 75 20 and yieldably urged toward the rail in one face 18 canted to provide a stop similar for urging the jaws in the opposite direction to that of the canted face of tion into engagement with the rail upon the stop 13. The extension 17 is also reduced and undercut as at 19 to form the jaw, 80 the inner wall 20 of the jaw being canted with respect to the shank and in the opposite direction to the canted face 18. The being provided with means for oscillating inner wall is serrated to penetrate the rail. the same upon creeping movement of the The end face 21 of the jaw is likewise 85 canted and disposed in parallel relation to With these and other objects in view, the the end wall 20. The end portion 22 of the tion and arrangement of parts to be here-disposed in parallel relation to the canted inafter more particularly described, fully portion 18. Said end portion of the shank 90 18 is provided with an opening 22a, the purpose of which will be hereinafter described.

The shanks of the jaw members 6 and 7 are intended to be disposed one upon the 95 other, the under face of the shank 6 engaging the upper face of the shank 7. By the provision of the enlarged portions forming the stops, the outer face of one jaw member is permitted to lie flush with the outer 100 face of the adjacent jaw member, thereby Referring to the drawings, 5 designates positioning the jaw members substantially

ner wall 11 of said jaw being inclined with tudinal edge of the shank of the adjacent respect to the shank and serrated to bite into jaw member. Thus the jaw members are 110 disposed substantially in parallel relation The face 12 is also inclined relative to to each other regardless of the angular re-

jaws.

In connection with the jaws, an operating member 23 is provided, said operating member being longer than the shanks of the jaw members and having its end portion 24 beveled from the central portion to the end 10 face of the operating member so as to prevent projections at the connection of the jaw members to each other. The opposite end rail without the use of fastening means, and portion of the operating member is provided without rigidly attaching the device to the 15 opposite to that of the jaws and is intended by the serrated inner walls of the jaws, and 80 to engage a railway tie. The end portion 24 all of these features are possessed by a device of the operating member is provided with an which is composed of only three parts. opening 26 adapted to register with the These, in view of their simplicity and subopenings provided in the shanks of the jaw stantial qualities, will operate under all con-20 members 6 and 7. A pivot pin 27 is passed ditions and will last indefinitely. through said openings to movably connect the operating member and jaw members to 1. An anti-creeper for railway rails comeach other.

Each of the side faces of the shanks of the 25 jaw members adjacent the operating member is provided with an eye 28, to which one end of a spring 29 is connected. This spring is normally intended to urge the jaw members substantially toward each other and into

binding engagement with the rail.

walls 11 and 20 of the jaws engaging the 35 edges of the rails. The jaw members are then moved along the rail until the foot 25 comes in contact with one of the railway ties. Upon release of the jaws by the operator the spring 29 will urge the jaws into binding 40 engagement with the rail. It will be noted that while the jaw members are disposed at an inclination to each other and the operatrelative to each other. This movement per- of the jaws upon movement of the rail. mits the spring 29 to urge the jaws into firm

bers on the operating member the spring one end portion of one shank and the inner contracts, thereby urging the jaws into binding engagement with the rail through the cooperation of the operating member 23, as the 60 operating member is substantially urging the pivoted ends of the shanks of the jaws away from the spring, which naturally permits the spring to pull the outer ends of the

jaw members inwardly so that a double 65 clamping operation is provided which causes

lation between the shanks of the jaws so as penetration of the edges of the bases of the to permit the jaw members to engage the rails by the serrated walls of the jaws, thus rails at all points longitudinally of the stopping further creeping movement of the rail. It is of course obvious that the movement of the rail is relatively slight, but even 70 this movement is sufficient to permit penetration of the rail by the jaws through the me-

dium of the operating member.

From the foregoing it will be readily seen that this invention provides a novel form of 75 anti-creeper capable of being applied to any with a foot 25 which extends in a direction tie or the rail, other than the means provided

What is claimed is:—

prising jaw members movably connected to each other, means for normally urging the jaw members toward each other, and an ac- 90 tuating member movably connected to the jaw members at the pivotal connection of

said jaw members to each other. 2. An anti-creeper for railway rails comprising jaw members pivoted at one of their 95 In operation, the jaw members are moved ends to each other, a spring connected at its away from each other to permit the insertion ends to said jaw members and normally urgof a rail A therebetween, the serrated inner ing the jaw members toward each other in one direction, and an actuating lever pivoted to said jaw members at the pivotal con- 100 nection of said jaw members to each other to permit the spring to urge the jaws into bind-

ing engagement with the rail.

3. An anti-creeper for railway rails comprising a pair of jaw members, each jaw 105 member including a shank, the end portions of said shanks being disposed one upon the ing member, that in view of the inclination other, said end portions having registering of the serrated inner walls 11 and 20, said openings, an actuating member having an walls are disposed parallel to the edge of opening in one end thereof adapted to regis- 110 the rail, so that yieldable movement of the ter with said opening, a pivot pin connecting spring will cause binding engagement of the the shanks of the jaws to each other and to jaws on the rails. Should the rail start to the actuating member, a foot carried by the creep, the movement of the rail will urge the opposite end of the actuating member for foot 25 to firmly engage the tie, and cause engagement with a railway tie, said actuat- 115 pivotal movement of the shanks 8 and 18 ing member causing movement of the shanks

4. An anti-creeper for railway rails comengagement with the edges of the rail. prising a pair of jaw members, each jaw During pivotal movement of the jaw mem-member including a shank, the outer face of 120 face of one end portion of the remaining shank being cut away, said cut-away portion being adapted to receive the end portion of the adjacent shank to dispose the jaw mem- 125 bers of said shanks substantially in the same plane, the rail engaging faces of said jaw members being serrated, and canted with respect to the shanks, an actuating member having one end thereof engaged with said ends 130 of the shanks, a pivot pin extending through said shanks and the actuating member, a spring connecting the shanks of the jaw members relative to each other and normally urging the rail engaging faces of the jaw members toward each other, said actuating member toward each other, said actuating member having a foot on one end adapted to engage a railway tie to cause movement of the shanks of the jaw members relative to each other and toward the actuating member.

In testimony whereof I hereunto affix my signature.

JESSE D. GRIMM.