

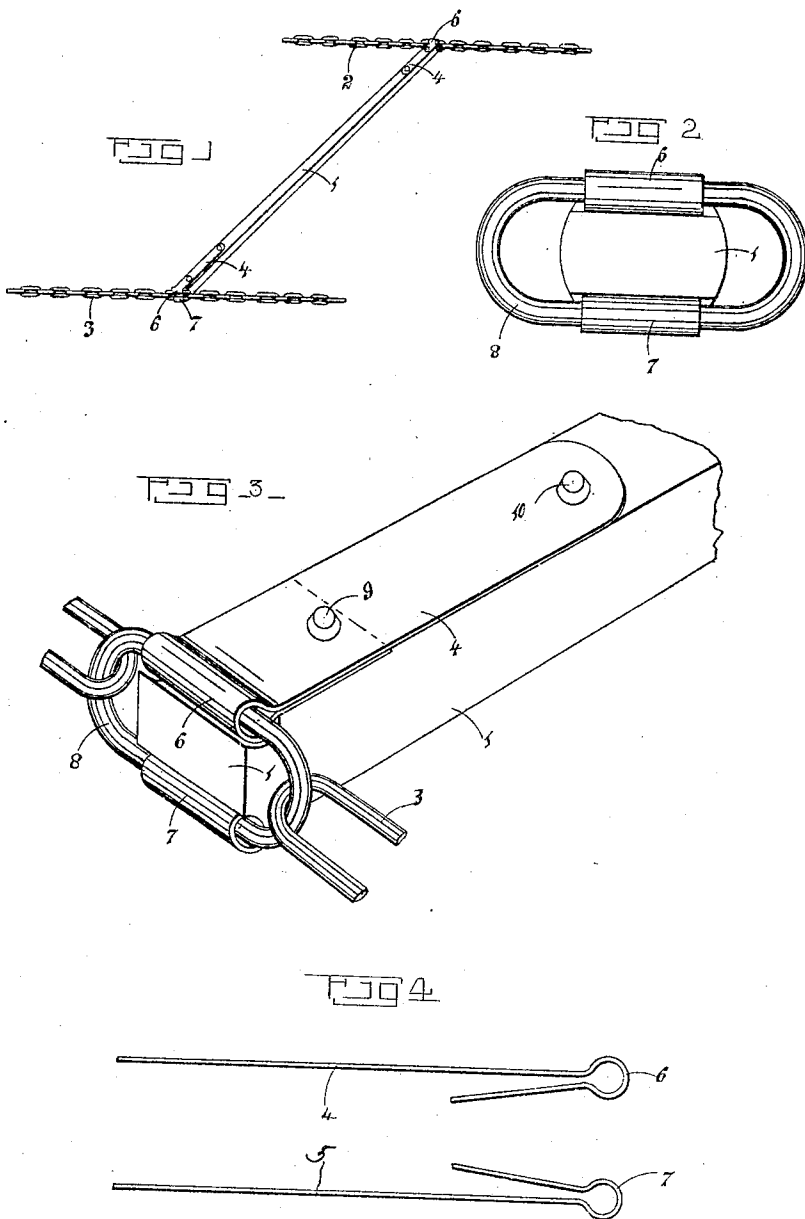
No. 814,291.

PATENTED MAR. 6, 1906.

J. HOLMS, JR.

END FOR THE SPREADERS OF DRAFT CHAINS AND THE LIKE.

APPLICATION FILED JAN. 9, 1905.



Witnesses:

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UNITED STATES PATENT OFFICE.

JAMES HOLMS, JR., OF WAIMAHAKA, NEW ZEALAND.

END FOR THE SPREADERS OF DRAFT-CHAINS AND THE LIKE.

No. 814,291.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed January 9, 1905. Serial No. 240,376.

To all whom it may concern:

Be it known that I, JAMES HOLMS, JR., a subject of His Majesty the King of Great Britain and Ireland, residing at Waimahaka, in the Provincial District of Southland, in the Colony of New Zealand, have invented certain new and useful Improvements in the Ends of Spreaders for Draft-Chains and the Like, of which the following is a specification.

10 This invention relates to spreaders for draft chains and traces, and provides improved means for securing said chains to the ends of the spreader.

15 According hereto a link in each of a pair of chains is carried in metal clips bolted to the end of the spreader.

I will now particularly describe my invention by the aid of the accompanying drawings, wherein—

20 Figure 1 is a side perspective elevation; Fig. 2, an end elevation; Fig. 3, a side perspective elevation of one end of a spreader-bar fitted with my invention, and Fig. 4 a side elevation.

25 The spreader-bar 1, which is made of wood or other usual material, is employed between the draft-chains, 2 and 3. The ends of the spreader are connected to the respective chains by the following means: Two metal plates 4 and 5, respectively, have the integral eyes 6 and 7 upon their outer ends, said eyes being adapted each to receive a side of a link 8 in the draft-chain. The spreader-bar is shaped at its ends upon each side to receive 35 the eyes. The plates are of spring metal and the eyes normally tend to spring open suffi-

ciently to facilitate the passage of the link into them. The plates are secured to the spreader by bolts 9 and 10, the tendency of the eyes to spring open having the effect of preventing the nut upon the bolt 10 from working loose. 40

Advantages of my invention are that the end of the spreader-bar does not project beyond the chain, as is usually the case, and the spreader-bar is protected from injury. 45

Having now fully described and ascertained my said invention and in what manner the same is to be performed, I declare that what I claim is— 50

For the purpose indicated in combination with a spreader-bar, a pair of metal plates each having an eye formed integrally by bending and doubling the plate upon itself, the eye of one plate being adapted to receive 55 one side of a link in a chain and the eye of the other plate being adapted to receive the opposing side of the link, the said eyes normally tending to spring open, a bolt passing through the doubled metal plates upon each 60 side of the spreader-bar and through the spreader-bar, and another bolt passing through the single metal plates and the spreader-bar, as specified.

In testimony whereof I have signed my name to this specification in the presence of two witnesses. 65

JAMES HOLMS, JUNR.

Witnesses:

JOHN FREDERICK LILLICRAP,
WILLIAM ANDERSON STOUT.