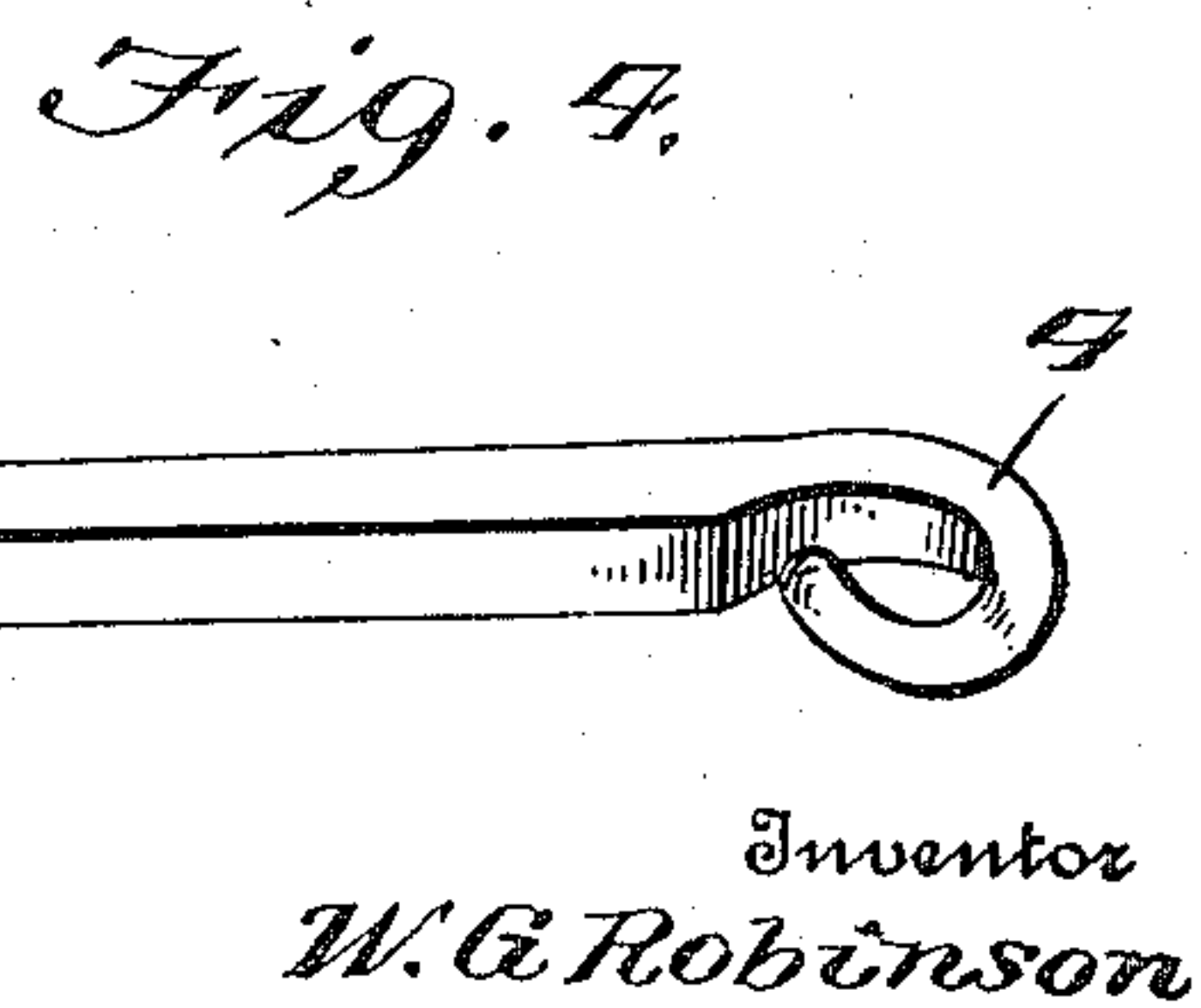
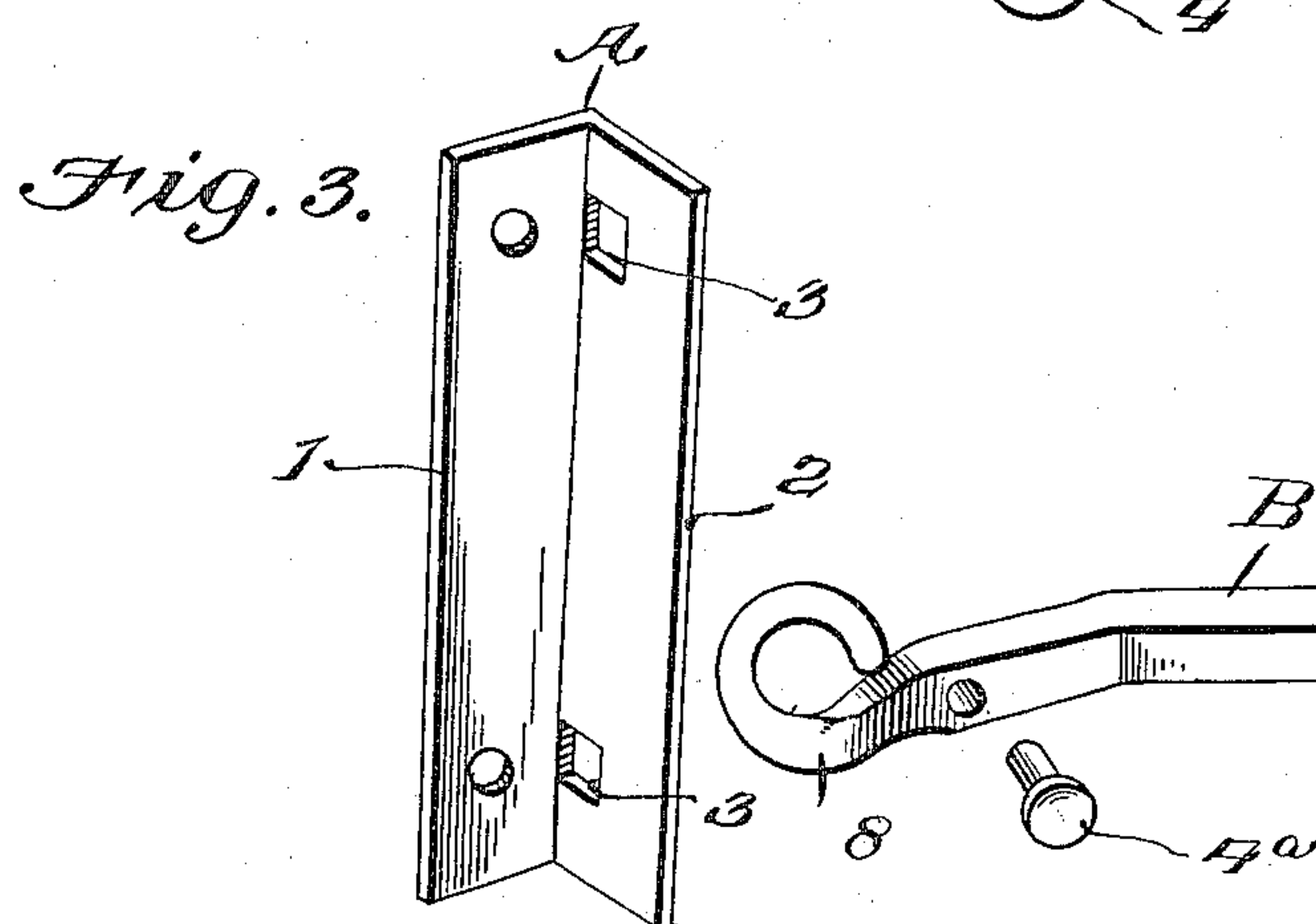
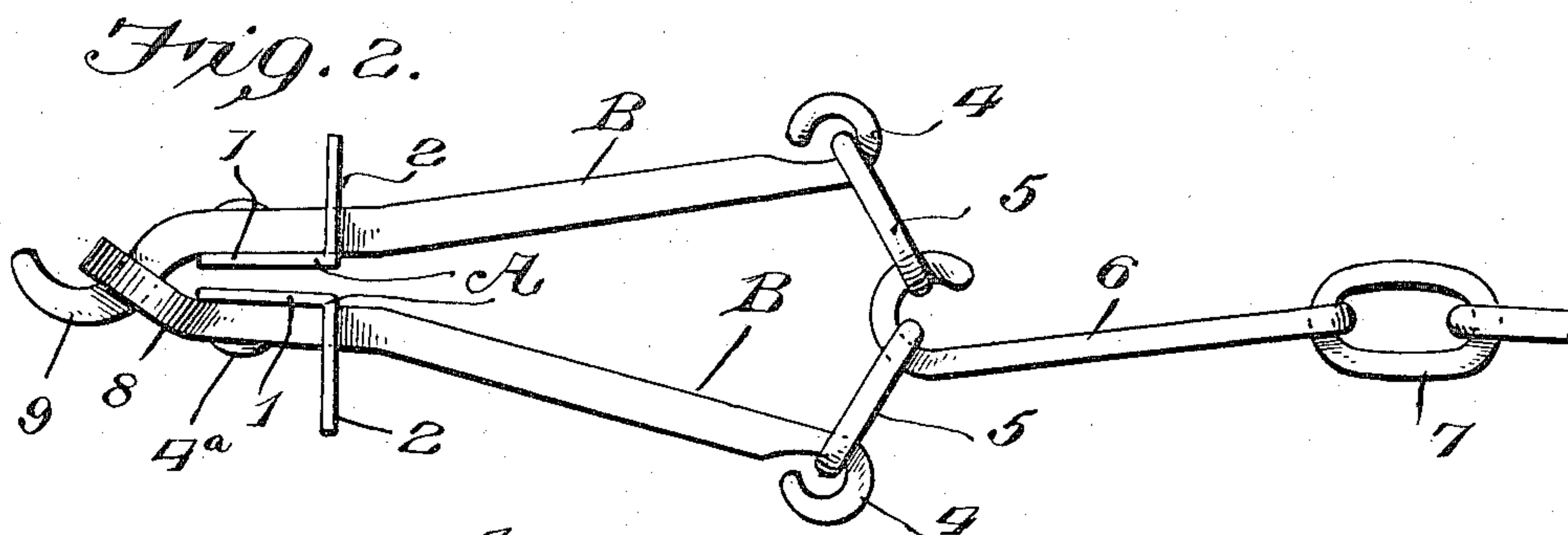
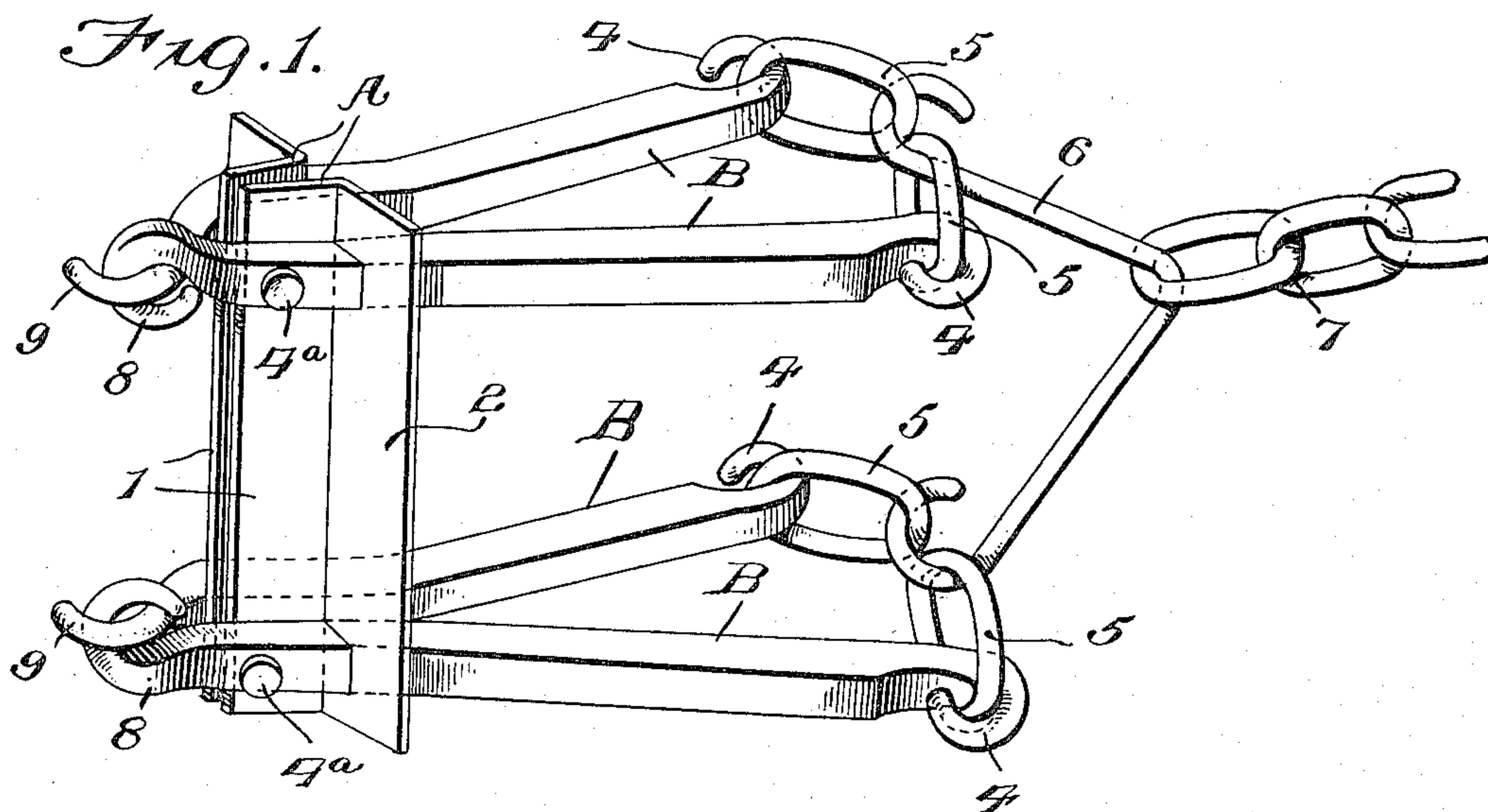


W. G. ROBINSON.
WIRE FENCE CLAMP.
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1,155,276.

Patented Sept. 28, 1915.



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UNITED STATES PATENT OFFICE.

WILLIAM G. ROBINSON, OF FAIRFIELD, IOWA.

WIRE-FENCE CLAMP.

1,155,276.

Specification of Letters Patent.

Patented Sept. 28, 1915.

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To all whom it may concern:

Be it known that I, WILLIAM G. ROBINSON, a citizen of the United States, residing at Fairfield, in the county of Jefferson and State of Iowa, have invented certain new and useful Improvements in Wire-Fence Clamps, of which the following is a specification.

The invention provides a device particularly designed for clamping a fence fabric when it is desired to stretch the same preliminary to attaching such fabric to the fence posts.

The invention has for its object the provision of a clamp which may be quickly placed in position or removed from the fence or other analogous part to be tensioned and which clamp is free from bolts, screws and like parts generally employed for drawing the members of the clamp together so as to grip the fence fabric or like part placed between the members, the clamp being of such construction as to utilize the pulling force as means for pressing the clamping members together and as a result the gripping action is proportionate to the pulling strain.

The invention, furthermore, provides a clamp which is simple, strong and effective and which embodies a minimum number of parts, the construction being such as to admit of the clamp being quickly placed in position or instantly removed from the fence.

With these and other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly claimed.

In the accompanying drawings has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the invention as claimed may be resorted to when desired.

Referring to the drawings,—Figure 1 is a perspective view of a clamp embodying the invention; Fig. 2 is a top plan view; Fig. 3 is a perspective view of one of the clamping members or jaws; Fig. 4 is a perspective

view of one of the arms and the fastening for attaching the jaw to the arm.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The clamp comprises similar or like members or jaws A and a plurality of arms B. The clamping members or jaws A are of similar or like formation, each consisting of an angle bar. The clamping members or jaws are so arranged that when the fence fabric or like part is gripped between the jaws, the wings 1 have a parallel arrangement and the other two wings 2 project outwardly. The wings 1 constitute the gripping elements, whereas the wings 2 serve to stiffen and brace the gripping elements and insure a clamping of the fence fabric between the wings 1 throughout the extent of the part of such fabric coming between the jaws. The bracing elements 2 are formed with openings 3 through which the arms B extend, such arms touching the outer faces of the wings 1 and being secured thereto by suitable fastenings 4^a which pass through openings formed in the arms B and wings 1. Each jaw or clamping member is provided with two arms which are preferably disposed near opposite ends of the jaws. One end of each of the arms B is formed with an eye 4 in which is fitted a link 5. A bail 6 of substantially V-form engages the links 5 and in turn is connected to a chain 7 or like part to which the pulling force is applied for stretching the fence or other part to be gripped between the jaws or clamping members of the device. The arms attached to one of the jaws are formed at the ends opposite the eyes 4 with other eyes 8 which are adapted to receive hooks 9 at the adjacent ends of the arms attached to the remaining jaws or clamping member. The eyes 8 and hooks 9 are disposed near the jaws and are inclined toward each other to admit of the clamping elements 1 of the jaws coming close together so as to engage the fence or like part gripped between the clamping members. The arms B are bent near the bracing elements 2 of the jaws so as to incline similarly in opposite directions as shown most clearly in Fig. 2. The ends of the arms B adjacent the jaws are arranged to extend parallel when the jaws are closed

upon the part to be gripped, as indicated most clearly in Fig. 2.

From the foregoing, taken in connection with the accompanying drawing it will be understood that the invention provides a clamp which may be taken apart and arranged in compact form for storing so as to occupy but very little room and which may be placed in position or removed with the greatest facility because the hooks 9 and the eyes 8 admit of the members of the clamp being quickly taken apart or placed together. When the clamp is in position the fence or other part to be tensioned is gripped between the jaws or clamping members and such jaws are pressed together by the pulling force applied to the chain or like connection 7. The oppositely inclined ends of the arms B are pressed together by the pulling force applied to the connection 7, this being due to the forward converging of the links 5. The oppositely inclined ends of the arms B and the forward convergence of the links 5 result in the provision of toggle elements which tend to press the jaws together when the connection 7 is subjected to linear tension. The gripping of the jaws is proportionate to the pulling force exerted upon the chain or connection 7 as it will be readily understood.

Having thus described the invention, what is claimed as new is:

A clamp comprising similar jaws, each consisting of an angle bar, the jaws being arranged with two of their wings parallel and the remaining two wings extending outwardly in opposite directions and formed near their opposite ends with openings, a pair of arms for each jaw passing through the openings of the outer wings and touching the outer faces of the parallel wings and attached thereto, said arms projecting beyond the jaws in opposite directions to unequal distances to provide long and short ends, the short ends of the arms attached to one jaw terminating in eyes and the short ends of the other arms terminating in hooks to engage the eyes, and the long ends of the arms being oppositely inclined, links attached to the extremities of the long ends of the arms and arranged to converge and a connection attached to the converging ends of the links and adapted when under tension to press the jaws together.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM G. ROBINSON. [L. S.]

Witnesses:

H. V. DOWNS,

B. F. SIMMONS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."