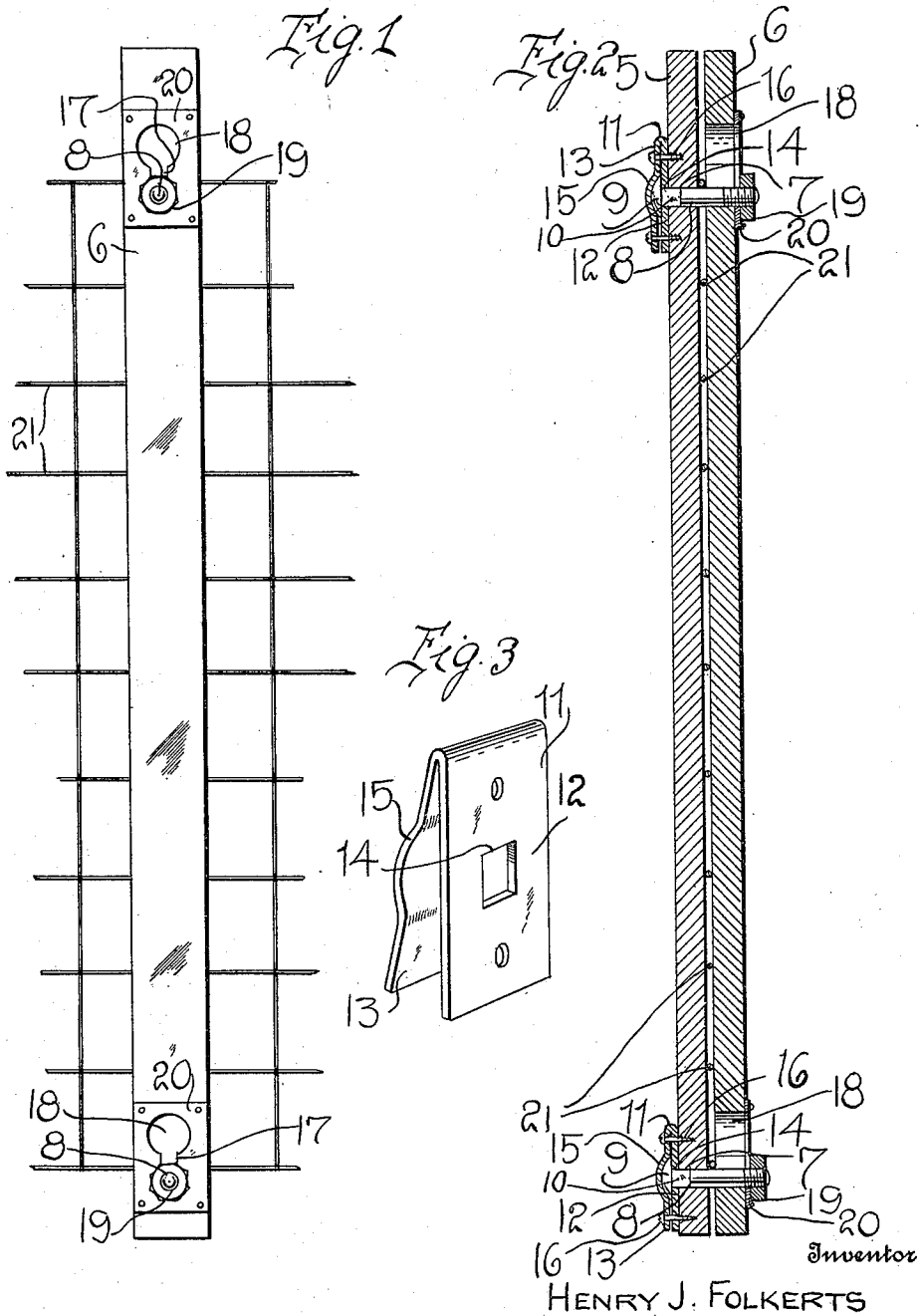


H. J. FOLKERTS.
FENCE WIRE CLAMP.
APPLICATION FILED MAR. 20, 1915.

1,146,489.

Patented July 13, 1915.



UNITED STATES PATENT OFFICE.

HENRY J. FOLKERTS, OF BUFFALO CENTER, IOWA.

FENCE-WIRE CLAMP.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HENRY J. FOLKERTS, a citizen of the United States, residing at Buffalo Center, in the county of Winnebago and State of Iowa, have invented certain new and useful Improvements in Fence-Wire Clamps, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to fence wire clamps, and has for its primary object to provide a simple and effective device of this character for securely clamping a fence wire fabric.

15 The invention has for one of its more particular objects to provide a clamping device for the above purpose, embodying two clamping sections, bolts fixed in one of said sections and having clamping nuts threaded thereon for engagement with the other section, said latter section being provided with means whereby the same may be removed from the bolts without necessitating the complete removal of the clamping nuts.

20 The invention has for an additional detail object to provide improved means for mounting and securing bolts in one of the clamping bars or sections, whereby the same are permanently held in connection therewith and liability of their loss thus obviated.

25 With the above and other objects in view, my invention consists in the novel features of construction, combination, and arrangement of parts to be hereinafter more fully described, claimed, and illustrated in the accompanying drawing, in which,

30 Figure 1 is a side elevation of my improved fence wire clamp; Fig. 2 is a vertical section through the same; and Fig. 3 is a detail perspective view of one of the bolt locking plates.

35 Referring in detail to the drawing, 5 and 6, respectively, indicate the clamping bars or sections of the device. The clamping bar 5 is provided with openings 7 therein to receive the bolts, indicated at 8. These bolts are provided with suitable heads 9 on one end, and adjacent to said heads, are formed with the rectangular shank portions 10.

40 A locking plate 11 is provided for each of the bolts 9, and this plate is bent upon itself to provide the opposed substantially par-

allel portions 12 and 13. The portion 12 of the locking plate has a rectangular opening 14 formed therein to receive the rectangular shank portion 10 of the bolt 8. The other portion 13 of the locking plate is bowed or outwardly curved, as at 15, from the opposed portion 12 of said plate to accommodate the bolt head 9. Upon opposite sides of this curved portion 15 of the locking plate, the parallel portions of the plate are provided with openings to receive screws, indicated at 16, which are adapted to be threaded into the clamping bar 5. The screw securing the extremities of the locking plate to the clamping bar, also serves to force the curved portion 15 of the locking plate into frictional clamping engagement upon the bolt head. It will be manifest that, by the provision of these locking plates 11, turning movement of the bolts in the bar 5 is effectually prevented, and the movement of the bolt longitudinally through the opening in the bar and possibility of its loss, by disconnection from the bar, is also obviated.

45 The clamping bar 6 is formed with longitudinally extending slots, indicated at 17, which have one of their ends circularly enlarged, as at 18. Through the slots 17, the bolts 8 project, and upon the ends of the bolts, the clamping nuts 19 are threaded. To the outer face of the bar 6, the metal plates 20 are secured, said plates extending around the slots 17 in the bar and providing wear plates for the clamping nuts 19 to act against. It will be noted that these nuts are of less diameter than the diameter of the enlarged end portions 18 of the slots 17. Thus, in order to disconnect the clamping bar 6 from the bar 5, it is only necessary to loosen the nuts and then shift the bar 6 longitudinally with respect to the bar 5, so that the former may be moved outwardly upon the bolts, the enlarged ends 18 of the slots passing over the clamping nuts 19.

50 My improved clamping device is adapted to be employed in the usual manner for the clamping of wire fence fabric, indicated at 21. The bar is arranged upon one side of the wire fabric with the bolts 8 extending between the strands or meshes thereof, and the clamping bar 6 is then disposed upon the opposite side of the wire fabric and the

bolts 8 extended through the slots 17 in the latter bar. The nuts 19 are now engaged upon the bolts and threaded inwardly into clamping engagement against the wear
 5 plates 20 on the bar 6. The two bars 5 and 6 are thus drawn together and securely clamped upon opposite sides of the wire fabric.

From the foregoing description, taken in
 10 connection with the accompanying drawing, it will be seen that I have produced a simple, efficient, and highly serviceable wire fence clamp, the parts of which may be easily and quickly connected and secured in operative
 15 engagement with the wire fence fabric or readily disconnected and removed without necessitating the manipulation of numerous clamping nuts or analogous elements. As
 20 only the two bars are separated or disconnected, all of the other elements remaining in assembled relation, the parts are, at all times, accessible and in condition for immediate use. In view of the simplicity of
 25 the several elements employed in the construction of my invention, it will be further seen that the same can be produced at small manufacturing cost and is also extremely durable and highly serviceable in practical
 30 use.

While I have shown and described the preferred construction and arrangement of the several cooperating parts, it will be understood that the device is susceptible of considerable modification therein, and I,
 35 therefore, reserve the privilege of resorting to all such legitimate changes as may be fairly embodied within the spirit and scope of the invention as claimed.

Having thus fully described my invention,

what I desire to claim and secure by Letters
 Patent is:—

1. The combination with a clamping member, of a bolt extending therethrough having a head on one end and a rectangular
 45 shank portion adjacent said head, a locking plate provided with a rectangular opening therein to receive the square shank portion of the bolt, said plate including a relatively movable portion to extend over and bear
 50 upon the head of the bolt, and fastening screws disposed through the body of the plate and said latter portion thereof to fasten the same to the clamp member.

2. The combination with a clamping member, of a bolt extending therethrough having a head on one end and a rectangular
 55 shank portion adjacent thereto, a locking plate bent upon itself intermediate of its ends to provide substantially parallel portions, one of said portions having a rectangular
 60 opening therein to receive the squared portion of the bolt shank, and the other portion of the locking plate being outwardly bent to accommodate the bolt head, said locking plate having coinciding
 65 openings in the opposite ends of the parallel portions, and securing screws being disposed through said openings and threaded in the clamping member to cause the latter portion
 70 of the clamping plate to frictionally bear upon the bolt head.

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

HENRY J. FOLKERTS.

Witnesses:

F. L. SHARON,
 E. E. SAPP.

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