

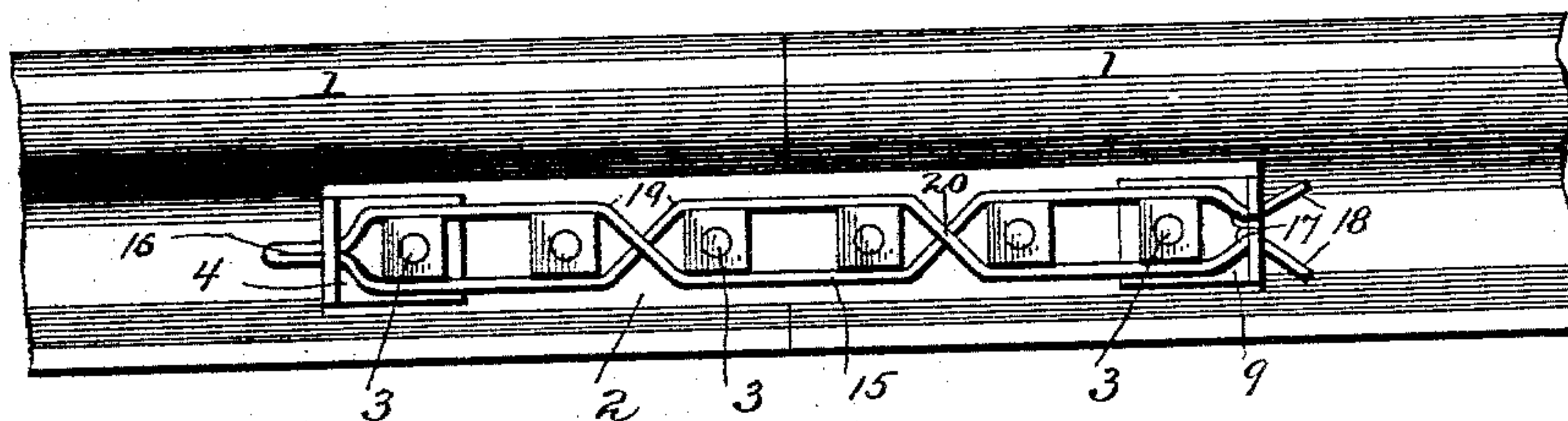
(No Model.)

H. R. EBY.  
NUT LOCK.

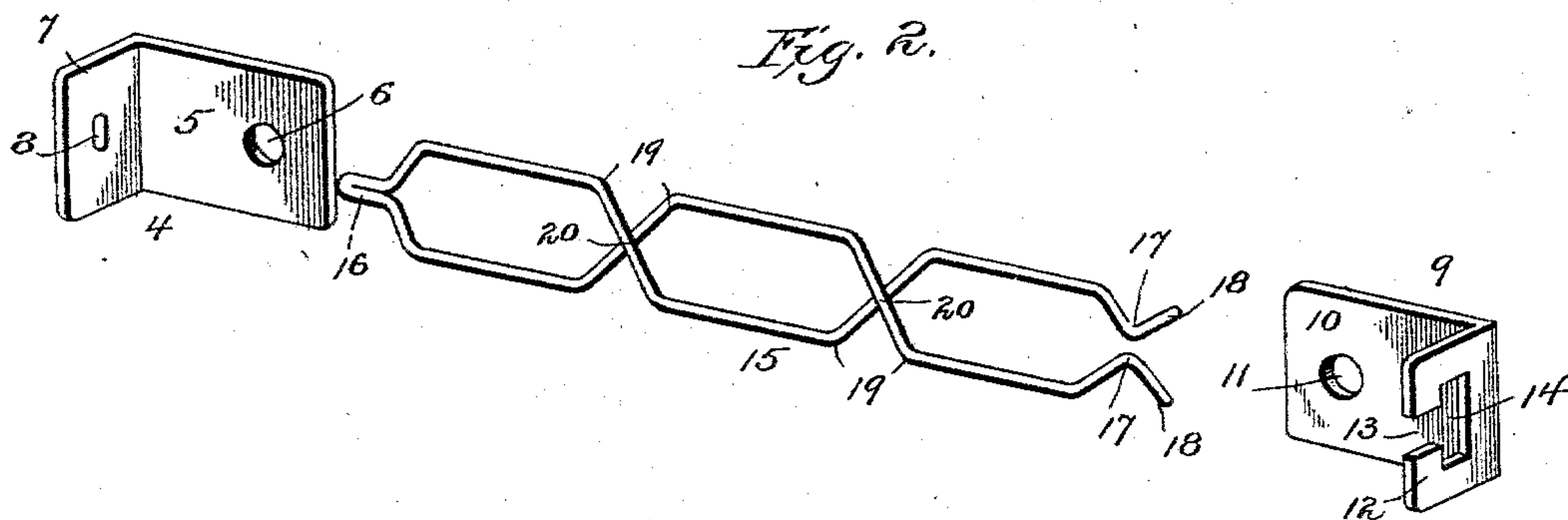
No. 589,596.

Patented Sept. 7, 1897.

*Fig. 1.*



*Fig. 2.*



Witnesses  
John Enders, Jr.  
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# UNITED STATES PATENT OFFICE.

HIRAM R. EBY, OF MASTERSONVILLE, PENNSYLVANIA.

## NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 589,596, dated September 7, 1897.

Application filed August 21, 1896. Serial No. 603,476. (No model.)

*To all whom it may concern:*

Be it known that I, HIRAM R. EBY, a citizen of the United States, residing at Master-  
sonville, in the county of Lancaster and State  
5 of Pennsylvania, have invented certain new  
and useful Improvements in Nut-Locks, of  
which the following is a specification, refer-  
ence being had therein to the accompanying  
drawings.

10 My invention relates to devices for locking  
threaded nuts in their position upon bolts,  
and more particularly to that class of nut-  
locks utilized in the construction of railroads.

15 In describing my invention in detail I will  
make use of the accompanying drawings, in  
which—

Figure 1 shows the invention in place upon  
the meeting ends of railway-rails. Fig. 2  
shows the segregated parts of my nut-lock.

20 In each of the figures the same numeral in-  
dicates the same part.

1 1 are the adjacent ends of railway-rails,  
secured to each other in the well-known way  
by the fish-plate 2 and the bolts 3.

25 Near one end of the fish-plate is a socket-  
plate 4, comprising the rectangular portion 5,  
provided with a bolt-hole 6, and the other  
end bent outwardly at a right angle forming  
a lug 7, formed with a socket 8.

30 To the other end of the fish-plate 2 is se-  
cured in a similar way the clamp-plate 9,  
comprising a strap 10 with the hole 11 and  
the lug 12 with the horizontal slot 13, having  
the enlarged portion 14.

35 A fork 15 is formed of steel wire or similar  
material of resilient nature, with a pintle 16,  
and with the outwardly-opening bends or  
kinks 17 disposed near the ends 18 of the  
said fork. Between the pintle 16 and the  
40 ends 18 of the fork 15 the arms thereof have  
bends 19, whereby they engage alternate nuts

upon opposite sides, crossing each other, as  
at 20.

The operation of my device is simple and  
effective. The fish-plates are set and the  
plates 4 and 9 are secured. The nuts are  
run home. The pintle 16 of the fork 15 is now  
thrust into its socket 8. The ends 18 are  
pinched so as to pass through the slot 13, the  
bends 17 engaging the enlarged part 14. It  
50 will be found that the fork 15 now embraces  
all of the nuts 21 of the bolts 3 and prevents  
their turning.

Having fully described my invention, what  
I claim is—

55 In a nut-lock, the combination with the  
rails, the fish-plate, the bolts and nuts, the  
socket-plate at one end of the fish-plate hav-  
ing a bolt-hole near one end through which  
one of the bolts passes and the other end  
60 formed with a lug at right angles thereto and  
having a socket therein, and the clamp-plate  
at the opposite end of the fish-plate formed  
with a lug having an aperture and an in-  
tersecting slot, of the fork consisting of a  
65 single piece of spring-wire bent over at the  
center forming a pintle which engages with  
said socket and then curved outwardly in  
opposite directions and then extended hori-  
zontally forming two arms which alternately  
70 cross each other between the nuts so as to en-  
gage with the upper and lower sides thereof  
and the ends bent or kinked and passed  
through the slot in the clamp-plate and  
seated in the recess therein, substantially as  
75 described.

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

HIRAM R. EBY.

Witnesses:

GEORGE G. GREINER,  
WESLEY S. SHENK.