

C. L. KENYON.
PUMP ROD COUPLING.

APPLICATION FILED AUG. 19, 1908. RENEWED JULY 21, 1909.

943,080.

Patented Dec. 14, 1909.

Fig. 2.

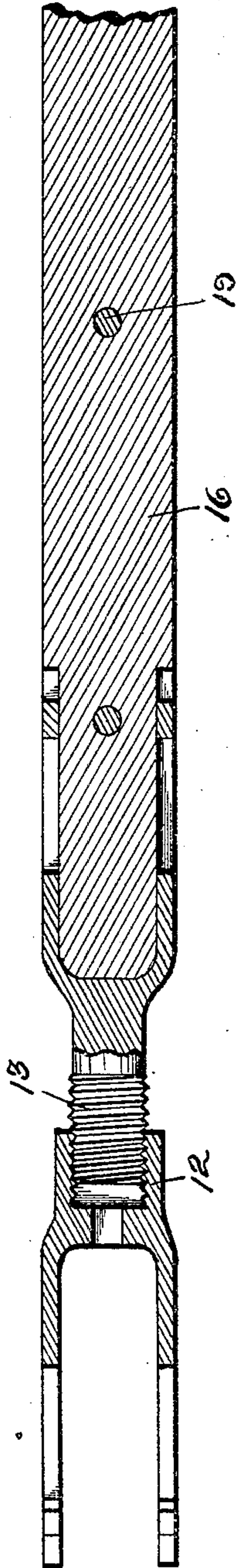
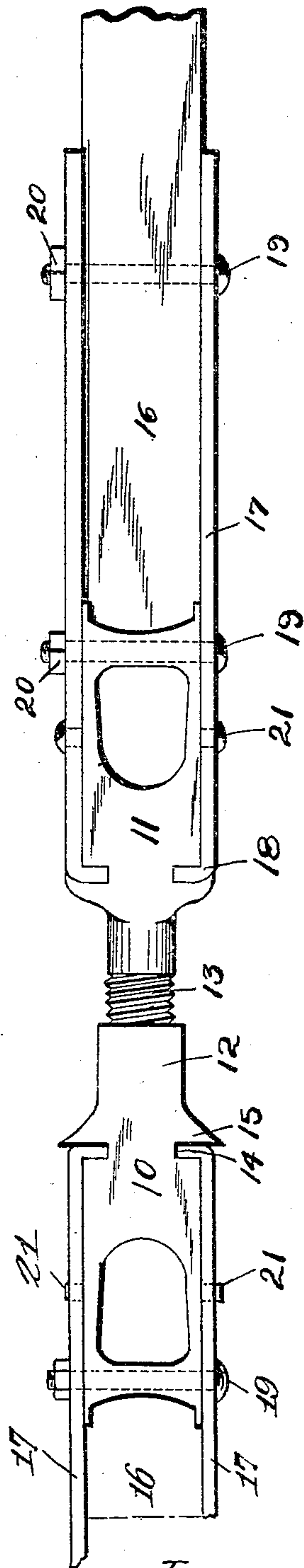


Fig. 1.



Witnesses.

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UNITED STATES PATENT OFFICE.

CLAYTON L. KENYON, OF TAMA, IOWA.

PUMP-ROD COUPLING.

943,080.

Specification of Letters Patent.

Patented Dec. 14, 1909.

Application filed August 19, 1908, Serial No. 449,277. Renewed July 21, 1909. Serial No. 508,740.

To all whom it may concern:

Be it known that I, CLAYTON L. KENYON, a citizen of the United States, residing at Tama, in the county of Tama and State of Iowa, have invented a certain new and useful Pump-Rod Coupling, of which the following is a specification.

The object of my invention is to provide a pump rod coupling of simple, durable and inexpensive construction, in which the liability to breakage is reduced to the minimum and also so arranged that if a break should occur, the coupling may be quickly and easily repaired with a minimum of expense.

My invention consists in the construction, arrangement and combination of the various parts of the device whereby the objects contemplated are attained as hereinafter more fully set forth, pointed out in my claims and illustrated in the accompanying drawings, in which—

Figure 1 shows a side elevation of a pump rod coupling embodying my invention with an adjacent end of a pump rod inserted therein. Fig. 2 shows a vertical central sectional view of same.

Referring to the accompanying drawings, the coupling is seen to be composed of two heads 10 and 11, the former being made with a screw threaded socket 12 and the latter with a screw threaded extension 13 designed to enter the socket 12. Each of these heads is made of a material that can be slightly bent without breaking, such, for instance, as malleable iron. On opposite sides of each head are two slots 14 at right-angles to the longitudinal axis of the head. These slots are formed near shoulders on the head, thus leaving between the slot and the shoulder a lug 15.

The pump rods proper are indicated by the reference numeral 16 and are connected with the heads by means of two flat metal straps 17, each having one end bent at right-angles at 18 and designed to enter the slot 14. After the end 18 is inserted in said slot, the adjacent lug 15 is bent over the end 18, as shown in Fig. 1, to firmly and immovably hold the end 18 in position.* In addition to this means of holding the straps to the heads, I provide bolts 19 extended through the

straps 17 and the head 10 and each provided with a nut 20. The said bolts also extend through the pump rods 16, as clearly shown in Fig. 2.

Formed on the sides of the body portions 10 and 11 are two rounded lugs 21. These lugs are designed to be extended through openings formed to receive them in the straps 17 and then after the straps are placed in position, the lugs may be riveted to securely hold the straps 17 in position. By the arrangement and construction shown, it is obvious that the straps 17 are firmly and immovably secured to the body portions 10 and 11 without the bolts 19, and the pump rods may be connected with the body portions 11 and the straps 17 by the bolts 19. Heretofore coupling devices of this kind have usually been made with the body portions and straps all formed integral with each other, and they have generally been made out of malleable iron. By means of my improved construction the straps 17 may be made of steel or other material having greater strength than wrought iron, and hence the straps are not so likely to be broken as though they were made in the same piece with the body portions. Furthermore, in the event that any one of the straps should break, a new one may be readily and easily substituted.

I claim as my invention.

1. A pump rod coupling, comprising two body portions detachably connected with each other, each body portion having a slot formed in each side, and metal straps for each side, each strap having an end bent at right-angles and inserted in said slot, and means for securing said straps to the body portion.

2. An improved pump rod coupling, comprising two body portions made of material that will bend without breaking, one of said body portions being provided with a screw threaded socket, and the other with a screw threaded extension designed to enter the socket, each body portion having a slot in each side, and a lug adjacent to the slot, each also having a rounded lug projecting outwardly from each side, two metal straps for each body portion, each strap having its

end extended at right-angles and inserted in a slot, the adjacent lug being bent over the strap, and each strap also having an opening to receive the rounded lug, said lug having its end upset to form a rivet, said body
5 portion and straps being shaped to receive pump rods, and bolts passed through said

straps and through the pump rods for connecting them.

Des Moines, Iowa, July 10, 1908.

CLAYTON L. KENYON.

Witnesses:

S. C. HUBER,

W. H. DEAN.