No. 754,506. PATENTED MAR. 15, 1904.

K. F. SEITH.

PITMAN.

APPLICATION FILED OCT. 28, 1902. RENEWED SEPT. 18, 1903.

NO MODEL.

Fig. 1.

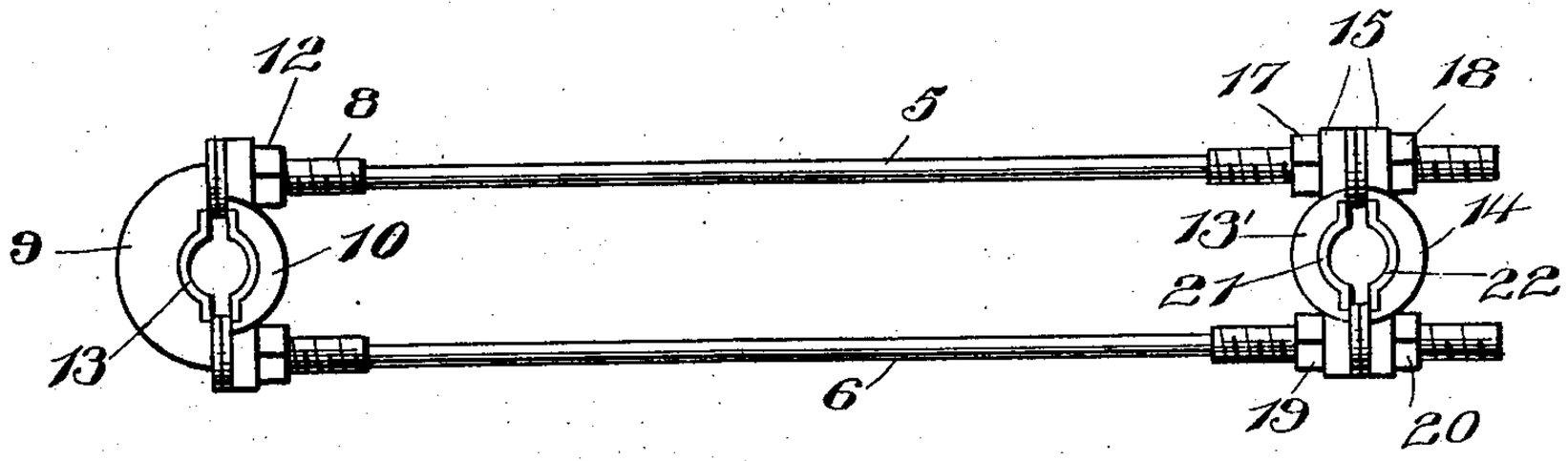


Fig. 2.

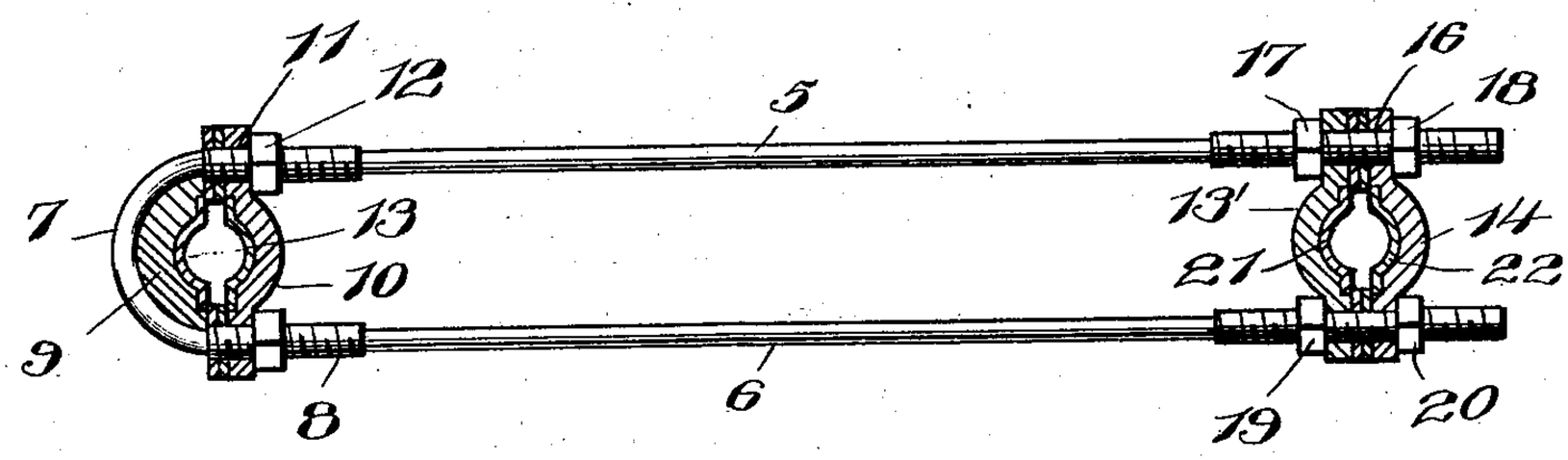
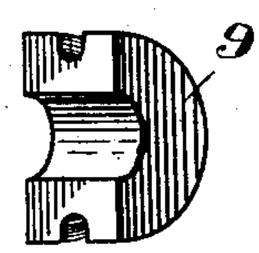


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

KARL F. SEITH, OF OFFERLE, KANSAS.

PITMAN.

SPECIFICATION forming part of Letters Patent No. 754,506, dated March 15, 1904.

Application filed October 28, 1902. Renewed September 18, 1903. Serial No. 173,732. (No model.)

To all whom it may concern:

Be it known that I, KARL F. SEITH, a citizen of the United States, residing at Offerle, in the county of Edwards, State of Kansas, have invented certain new and useful Improvements in Pitmen; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to pitmen; and it has for its object to provide a pitman having adjustable boxes at its ends to compensate for wear and in which the said boxes may be moved toward and away from each other, so that the length of the pitman may be changed and also its length may be kept the same when the brasses are adjusted by movement of the sections of the box.

Other objects and advantages will be understood from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation showing a pitman embodying the present invention. Fig. 2 is a longitudinal section through the pitman. Fig. 3 is a detail perspective view of one section of a box at one end of the pitman.

Referring now to the drawings, the present pitman comprises a bar or rod which is bent upon itself to form the parallel-spaced members 5 and 6-and the connecting arc-shaped bight 7, said members adjacent to the bight portion being enlarged, as shown at 8, and threaded for a purpose which will be presently explained. The free end portions of the members 5 and 6 are likewise threaded.

At each end of the pitman is a two-part box, one of these boxes including the arc-shaped member 9, which is grooved in its outer periphery to snugly receive the bight portion 7 of the rod, the second member 10 of the box having perforations 11 therethrough in which the members 5 and 6 adjacent to the bight portion 7 are received, the enlarged portions of said members projecting from the box 10 for engagement of nuts 12 therewith, which are adapted to impinge against the member 10 of the box to draw the members 5 and 6 therethrough and move the sections 9 and 10 toward each other. Centrally of the adjacent faces of the sections 9 and 10 are arc-shaped recesses in which are disposed the arc-shaped brasses or babbitts 13, which when the sections 9 and 10 are brought toward each other are moved into close contact with the crank-pin with which the end of the pitman is engaged. The box at the opposite end of the pitman consists also of two sections 13 and 14, which are similar in form, being substantially arc-shaped, and each of which has parallel lugs 15, which spring from the curved face thereof at its ends, and through these lugs and the adjacent end portions of the sections 13 and 14 are formed perforations 16, which aline in pairs when the sections 13 and 14 are assembled, as illustrated, and through the alining perforations are passed the ends of the members 5 and 6. Engaged with the members 5 and 6 are nuts 17, 18, 19, and 20, the nuts 17 and 19 being disposed for adjustment on the members 5 and 6 to impinge against the section 13′, while the nuts 18 and 20 are engaged with the outer ends of the members 5 and 6 to impinge against the section 14. The nuts 17 and 19 may be adjusted toward and away from the box at the bight of the rod and form stops to determine the separation of the two boxes, and after the nuts 17 and 19 have been given the desired positions on the members 5 and 6 the nuts 18 and 20 may be screwed up to clamp the sections 13 and 14 between them and the nuts 17 and 19. In the recessed mutually adjacent faces of the sections 13 and 14 are received the arc-shaped members 21 and 22, which form the wearing-surfaces for the box and may be of brass or any other suitable material. With this construction it will be seen that by proper adjustment of the nuts the boxes may be positioned to maintain the proper separation of their centers, as also to adjust the sections of the boxes with respect to each other to compensate for wear of the bearing-surfaces.

It will be understood that in practice modifications of the specific construction shown may be made and that any suitable materials

and proportions may be used for the various parts without departing from the spirit of the invention.

What is claimed is—

1. A pitman comprising a rod bent upon itself to form spaced members and a connecting-bight, said members having enlarged portions at their connections with the bight portion, said enlarged portions being threaded, an adjustable box at the bight end of the pitman comprising a semicircular member having a groove in its periphery, said groove being disposed on the bight and a second member having perforations therethrough for engagement with the second-mentioned enlarged portions of the spaced members, stop-nuts disposed upon the screw-threads of the enlarged portions to adjust the box, a second adjustable box comprising two members having alining perforations therethrough disposed with said perforations engaged upon the enlarged portions of the spaced members at the ends thereof, stop-nuts disposed upon the threads of the enlarged portions just mentioned between the two boxes to move the second-named box away from the first-named box and other nuts disposed upon the ends of the spaced members to move the second-named box toward the first-named box and to clamp the members of the second-named box one upon the other.

2. A pitman comprising spaced boxes each of which is adjustable in its bearing and one of which is adjustable toward and away from the other, stops for limiting the movement of the last-named box toward the other and means for adjusting the bearing of said last-named box and moving it toward the other.

3. A pitman comprising a rod bent upon itself to form spaced members and a connecting-bight, boxes each comprising sections engaged with the spaced members, one of the boxes being adjustable upon the spaced members toward and away from the other, nuts engaged with said spaced members at the opposite side of one of the boxes from the bight to clamp said box between them and the bight, nuts engaged with the members between the boxes and forming stops for the adjustable box, and additional nuts engaged with the members beyond the adjustable box to clamp it against the stop-nuts, said boxes being divided on lines transversely of the spaced members whereby the resultant sections may be adjusted toward each other by manipulation of the clamping-nuts.

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

KARL F. SEITH.

Witnesses:
WM. SIEGLINGER,
JOHN RUPP, Jr.