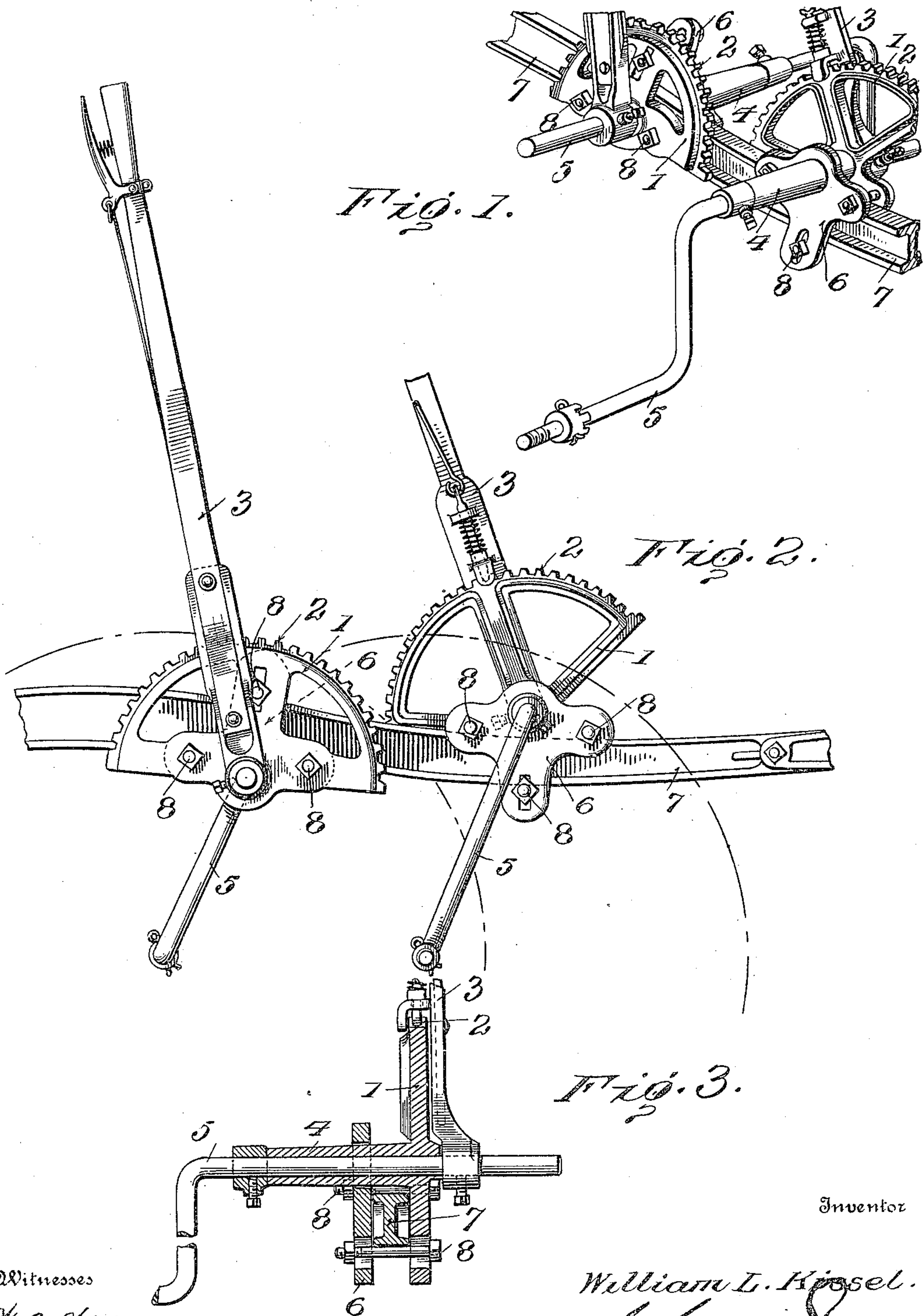


W. L. KISSEL.  
RIDING ATTACHMENT FOR PLOWS.  
APPLICATION FILED MAY 10, 1909.

952,815.

Patented Mar. 22, 1910.



Witnesses  
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By

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# UNITED STATES PATENT OFFICE.

WILLIAM L. KISSEL, OF HARTFORD, WISCONSIN.

RIDING ATTACHMENT FOR PLOWS.

952,815.

Specification of Letters Patent. Patented Mar. 22, 1910.

Application filed May 10, 1909. Serial No. 495,096.

*To all whom it may concern:*

Be it known that I, WILLIAM L. KISSEL, of Hartford, in the county of Washington and State of Wisconsin, have invented certain new and useful Improvements in Riding Attachments for Plows; 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.

The primary object of this invention is to so form riding attachments for plows as to avoid all danger of the axles binding in their bearings.

Heretofore considerable difficulty has been experienced in this direction, due primarily to the fact that the axles have had their bearings in separate but connected parts, and in consequence it has been impossible to maintain the parts in such perfect alinement as to avoid binding. This difficulty I effectively overcome by wholly supporting each axle in a single bearing, which bearing is supported by plates secured to opposite sides of the plow beam.

The invention will be hereinafter fully set forth and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in perspective showing a plow beam equipped with my improvement. Fig. 2 is a side view thereof. Fig. 3 is a transverse sectional view through the bearing of the forward axle.

Referring to the drawings, 1 designates a plate or casting which I have shown as formed with a segmental rack 2 with which the locking bolt of the ordinary controlling lever 3 is designed to engage. This plate is also shown as having formed therewith a laterally extending sleeve 4 which constitutes the sole bearing for one of the axles 5. As customary, there are two axles, each having a carrying wheel and both secured to the plow beam.

6 is a second plate or casting located on the side of the plow beam 7 opposite to the plate 1. This second plate is formed with an opening through which sleeve 4 is projected and by which such sleeve is braced or strengthened at a point distant from plate 1. The two plates are united by nutted bolts 8 passed through coincident slots or openings in such plates and are thereby secured to the plow beam. The sleeve 4 is passed transversely of the beam, either above or below the latter, the former arrangement being usually observed for the forward axle and the latter for the rear axle. In consequence there is a slight difference in the arrangement of the racks of the two sets of plates as well as in the location of some of the slots for the nutted bolts.

From what has been said it will be seen that by supporting each axle wholly by a single sleeve all danger of binding is avoided, and that such sleeves are strengthened by the support they receive from the plates which are fastened to the plow beam in line with the plates from which the sleeves project.

I claim as my invention:—

A riding attachment for plows comprising an axle, a plate having a rack and a sleeve formed therewith, said sleeve constituting the bearing for the axle, a second plate having an opening forming a bearing for said sleeve, means for securing said plates on opposite sides of a plow beam, and means for adjusting said axle designed to be held by said rack.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

WILLIAM L. KISSEL.

Witnesses:

P. A. RIX,  
ALMA MENZEL.