

No. 855,740.

PATENTED JUNE 4, 1907.

M. C. ADKINS.

PLOW CLEVIS.

APPLICATION FILED APR. 13, 1906.

2 SHEETS—SHEET 1.

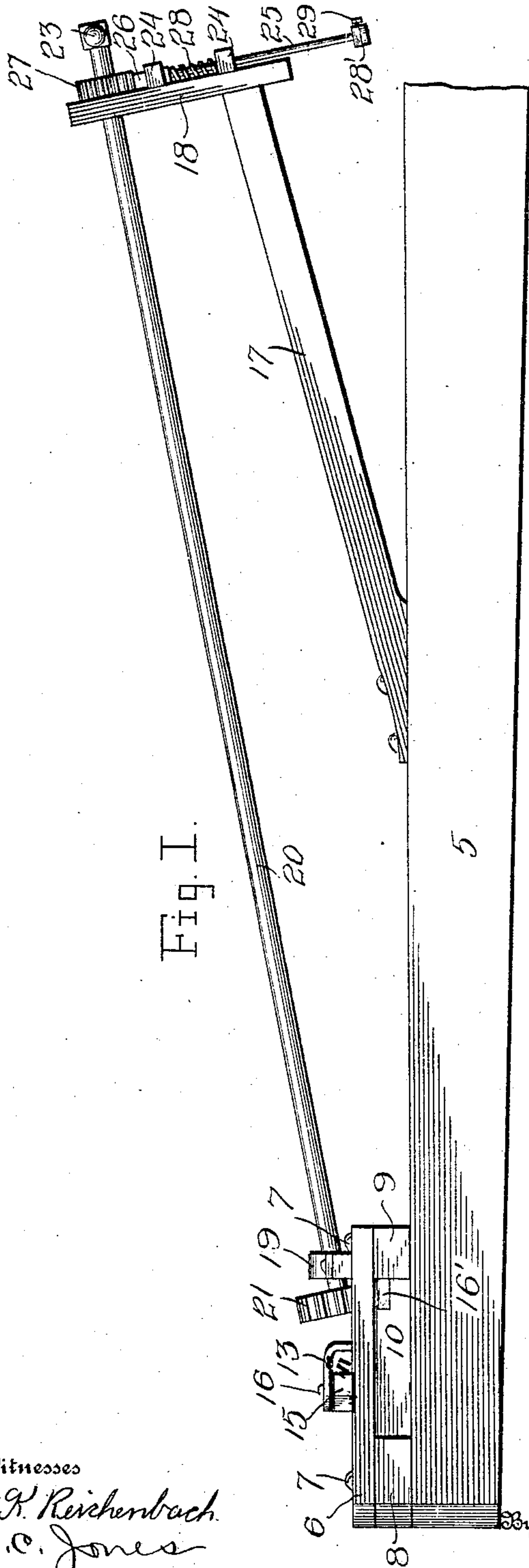


Fig. 1.

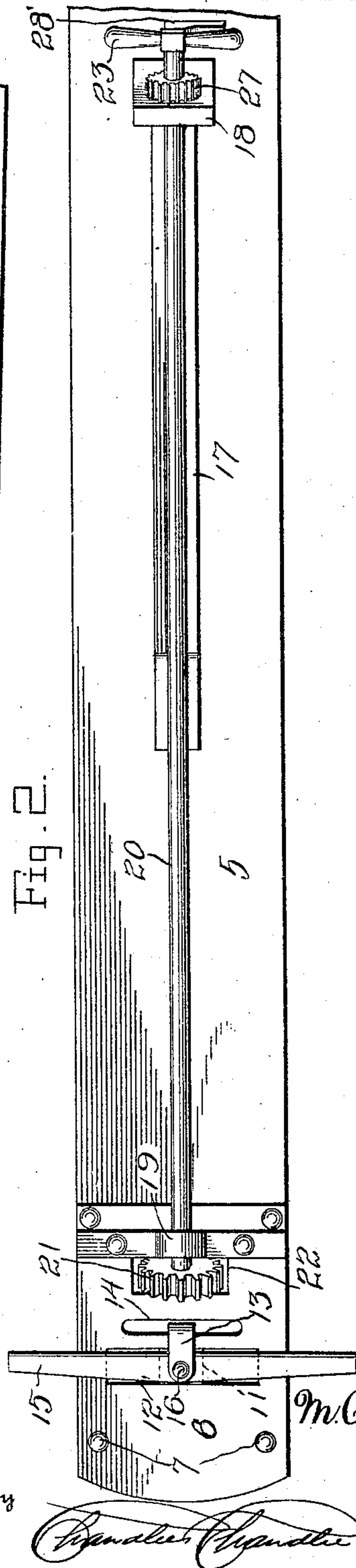


Fig. 2.

Witnesses
G. H. Reichenbach.
J. C. Jones

Inventor
M. C. Adkins

Charles Chandler

Attorneys

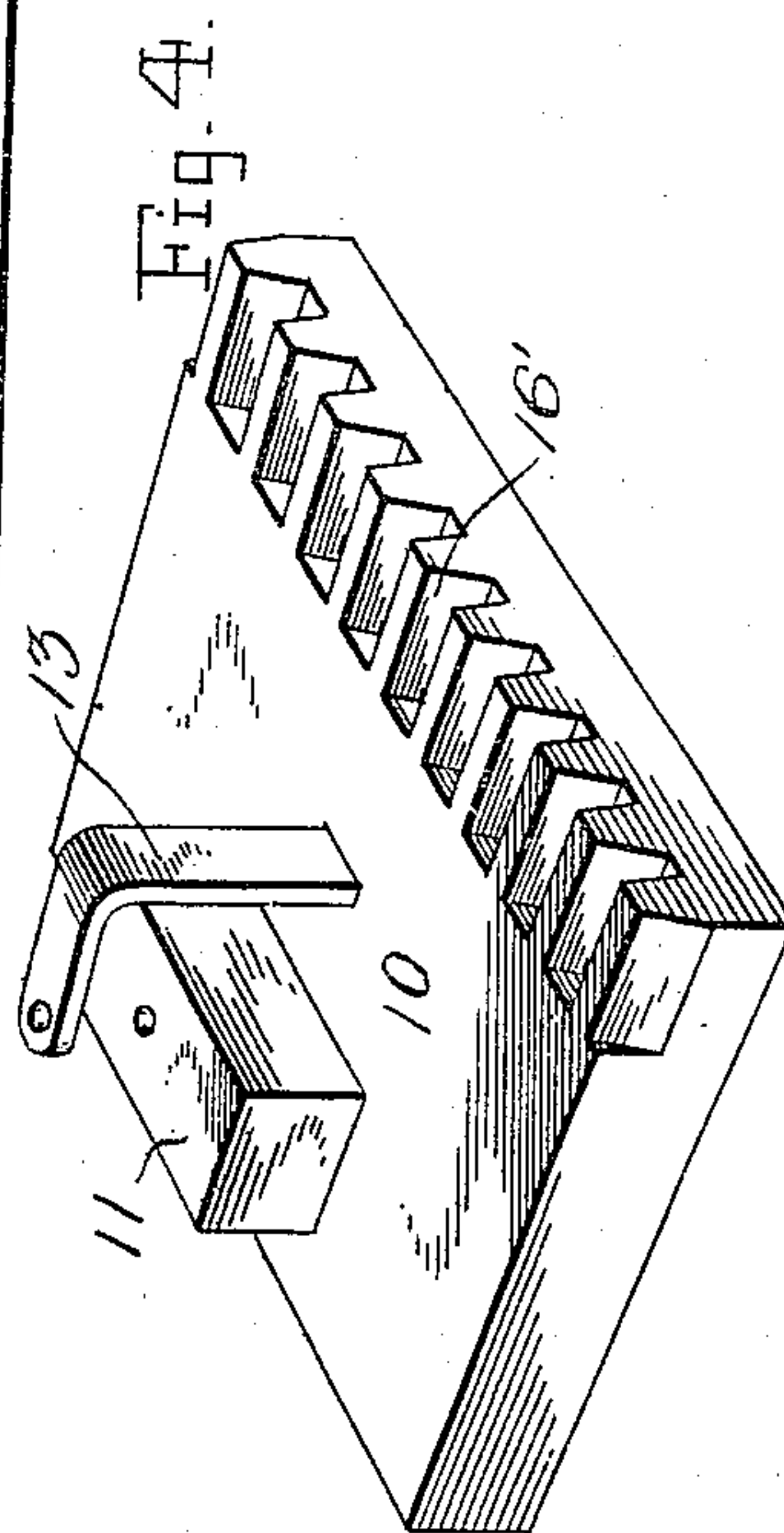
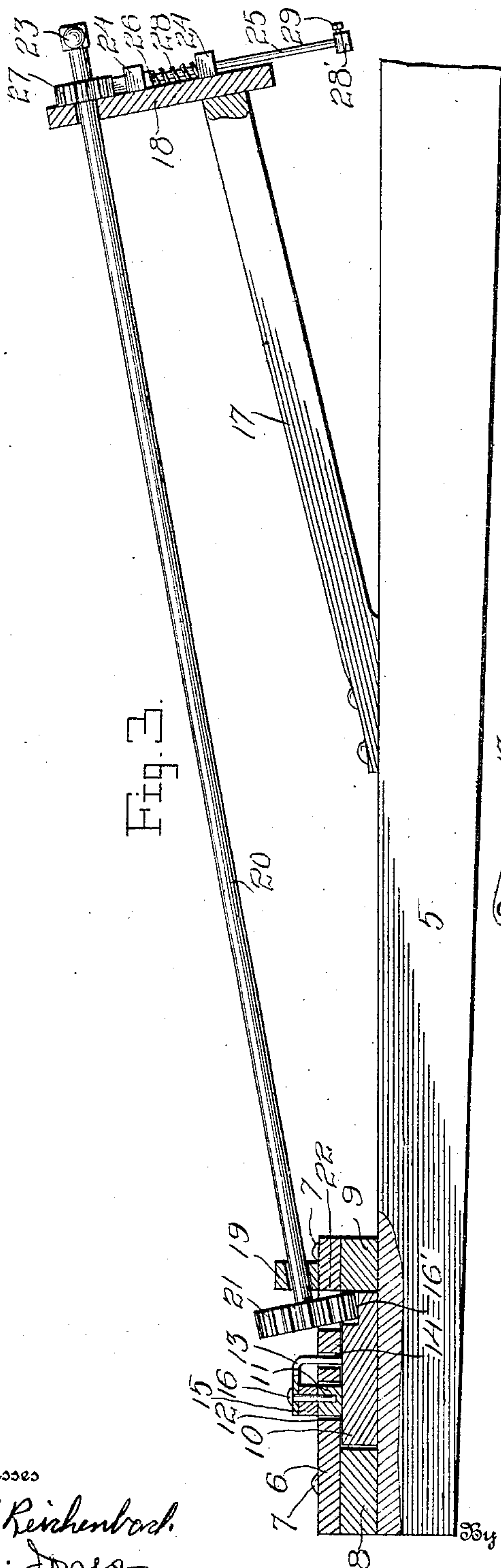
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Witnesses

B. H. Reichenbach
J. C. Jones

Inventor
M. C. Adkins.

Charles Chandler

Attorneys.

UNITED STATES PATENT OFFICE.

MAURICE C. ADKINS, OF DEER HEAD COVE, ALABAMA.

PLOW-CLEVIS.

No. 855,740.

Specification of Letters Patent.

Patented June 4, 1907.

Application filed April 13, 1906. Serial No. 311,590.

To all whom it may concern:

Be it known that I, MAURICE C. ADKINS, a citizen of the United States, residing at Deer Head Cove, in the county of Dekalb, State of Alabama, have invented certain new and useful Improvements in Plow-Clevises; 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 plow clevises and has for its object to provide a clevis which may be readily shifted laterally upon the plow-beam, the means for shifting the clevis being located in position for operation from the seat of the plow.

A further object of the invention is to provide a novel means for shifting the clevis and for securely holding it in position after it has been shifted.

In the accompanying drawings: Figure 1 is a side elevation of a plow-beam showing my invention applied thereto. Fig. 2 is a top plan view thereof. Fig. 3 is a vertical longitudinal sectional view therethrough, and, Fig. 4 is a detail view of the shifting clevis plate of the device removed from its mountings.

Referring to the drawings, the numeral 5 denotes the beam of a plow of any desired construction and 6 a plate which is secured upon the beam by means of bolts 7 and which is held in spaced relation with respect to the beam by means of spacing blocks 8 and 9 which are located intermediate the said plate and beam at the front and rear ends of the plate. Slidably disposed upon the plow-beam 5 and intermediate the spacing blocks 8 and 9 and the plate 6 and the said beam, is a clevis-plate 10, the said plate being guided in its said sliding movement by means of the spacing blocks 8 and 9 and a block 11 which is secured to the said plate upon its upper face and extends upwardly through a slot 12 formed through the plate 6, it being understood that the block 11 abutting the ends of the slot 12 will limit the movement of the plate 10 to prevent its accidental disengagement.

Secured at its lower end to the upper face of the plate 10 and extending upwardly and thence forwardly from the same is a hammer strap 13 of iron or other metal, the said hammer strap being engaged through a slot 14 formed in the plate 6 and extending in par-

allel relation with the slot 12 formed therein. The forwardly extending upper end of the hammer strap 13 is provided with an opening which alines with an opening 60 formed through the block 11 and the plate 10, a doubletree 15 being disposed between the said upper end of the hammer strap 13 and the said block and held in this position by means of the usual pin 16. The upper face of the clevis-plate 10 is provided at its rear edge with a series of rack-teeth formed by recessing the plate at intervals as will be readily understood.

Secured at its lower end to the upper face of the plow-beam 5 is a standard 17 which extends rearwardly and upwardly from the beam and supports at its upper end a plate 18. Mounted in a bearing in this plate 18 and in a removable bearing block 19 disposed upon the upper face of the plate 6, is a shaft 20, the said shaft being provided at its end adjacent the bearing block 19 with a pinion 21 which is adapted for rotation by the shaft, the said pinion having its lower portion extending through a slot 22 formed in the plate 14 and in mesh with the rack-teeth 16 formed on the plate 10 whereby the said plate may be shifted when the shaft 20 is turned. Secured upon the opposite end of the shaft to the pinion 21 is an operating handle 23 by means of which the shaft may be revolved for the purpose stated. Slidably mounted in suitable bearing brackets 24 secured upon the rear face of the plate 18 is a rod 25 carrying at its upper end a suitable head 26 for engagement interchangeably with the teeth of a spur-wheel 27 which is secured to the shaft 20 directly rearwardly of the plate 18, the said rod being normally held with its head in engagement with the wheel 27 by means of a spring 28 which is engaged upon the rod intermediate the said head and the lower one of the bearing blocks 24. In order that the rod 25 may be moved with its head out of engagement with the spur-wheel 27, I provide upon the rod a foot-plate 28', the said foot-plate being held adjustably upon the rod by means of a set-screw 29.

From the foregoing it will be seen that by pressing downwardly upon the plate 28', the rod will be moved with its head out of engagement with the spur-wheel 27 as stated, thus permitting the shaft 20 to be turned to shift the plate 10 as and for the purpose hereinbefore stated.

What is claimed is:

The combination with a plow beam, of a plate supported upon the beam above the same and in spaced relation with respect thereto, a clevis plate slidably disposed between the plate and the beam, the first
5 named plate being provided with a plurality of slots, a block carried by the clevis plate and projecting through one of the slots in the plate with its upper face in a plane with the
10 upper face of the plate, a hammer strap carried by the clevis plate and projecting upwardly through another of the slots in the slotted plate and having its upper end portion bent to extend over the upper face of the
15 block, a whiffle-tree received between the up-

per face of the block and the bent portion of the hammer strap and supported upon the block and the slotted plate, a shaft journaled upon the beam, a pinion carried by the shaft and meshing with a rack formed in the clevis
20 plate and within the limits of the same, and means for turning the shaft to shift the clevis plate.

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

MAURICE C. ADKINS.

Witnesses:

C. PERES,

W. W. HALE.