

(No Model.)

C. SIEGORTNER.

PLOW.

No. 319,031.

Patented June 2, 1885.

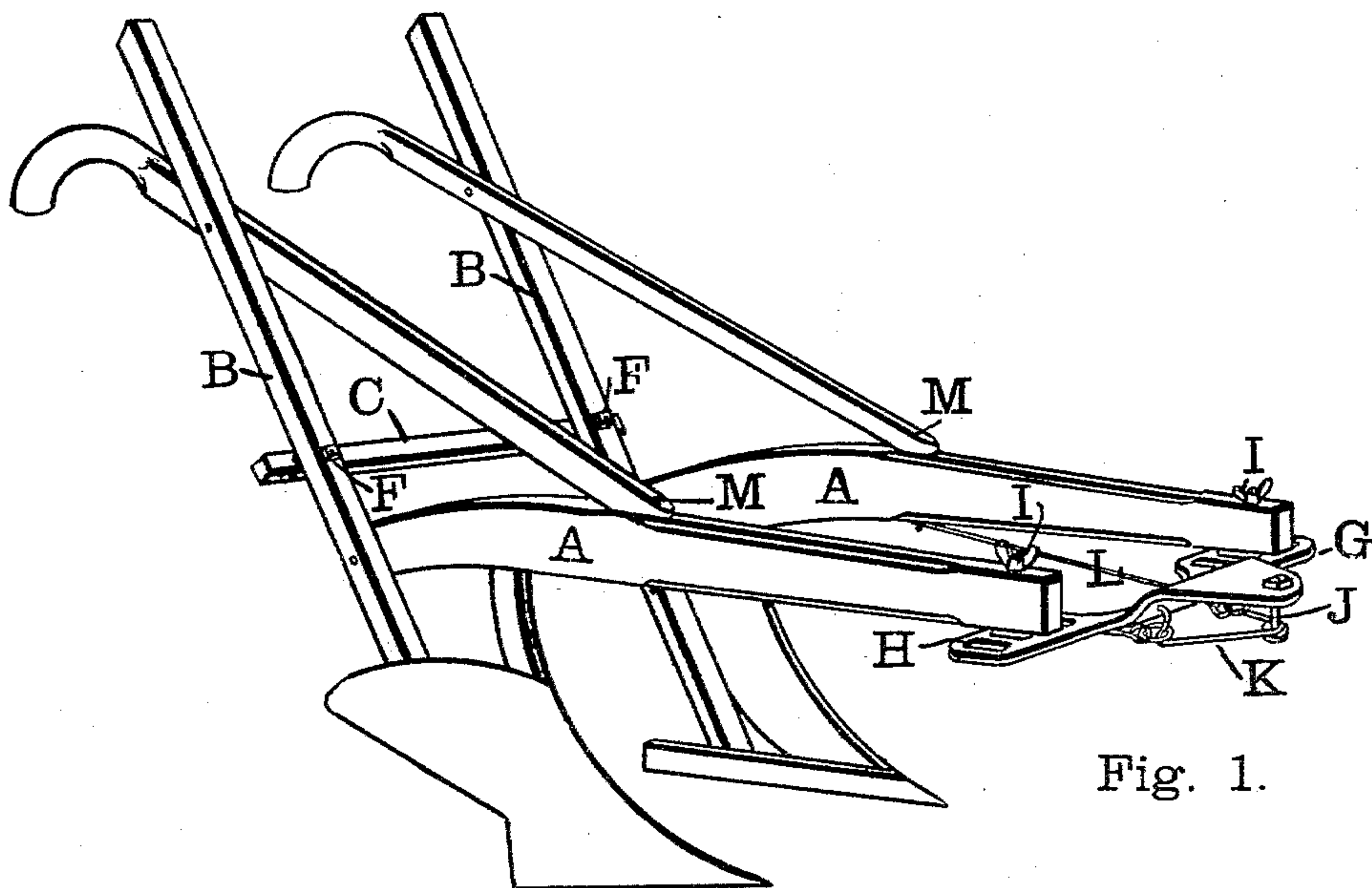


Fig. 1.

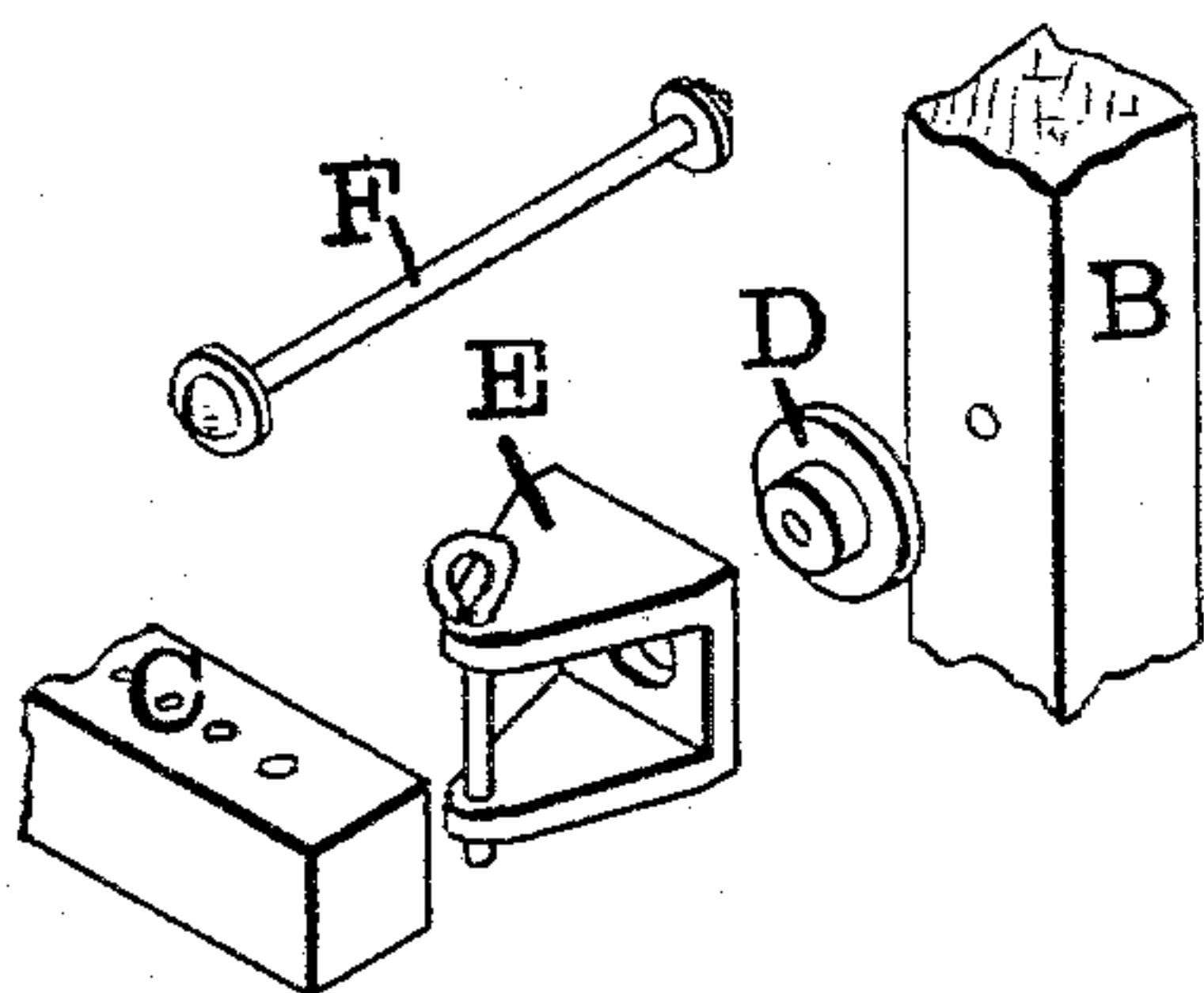


Fig. 5.

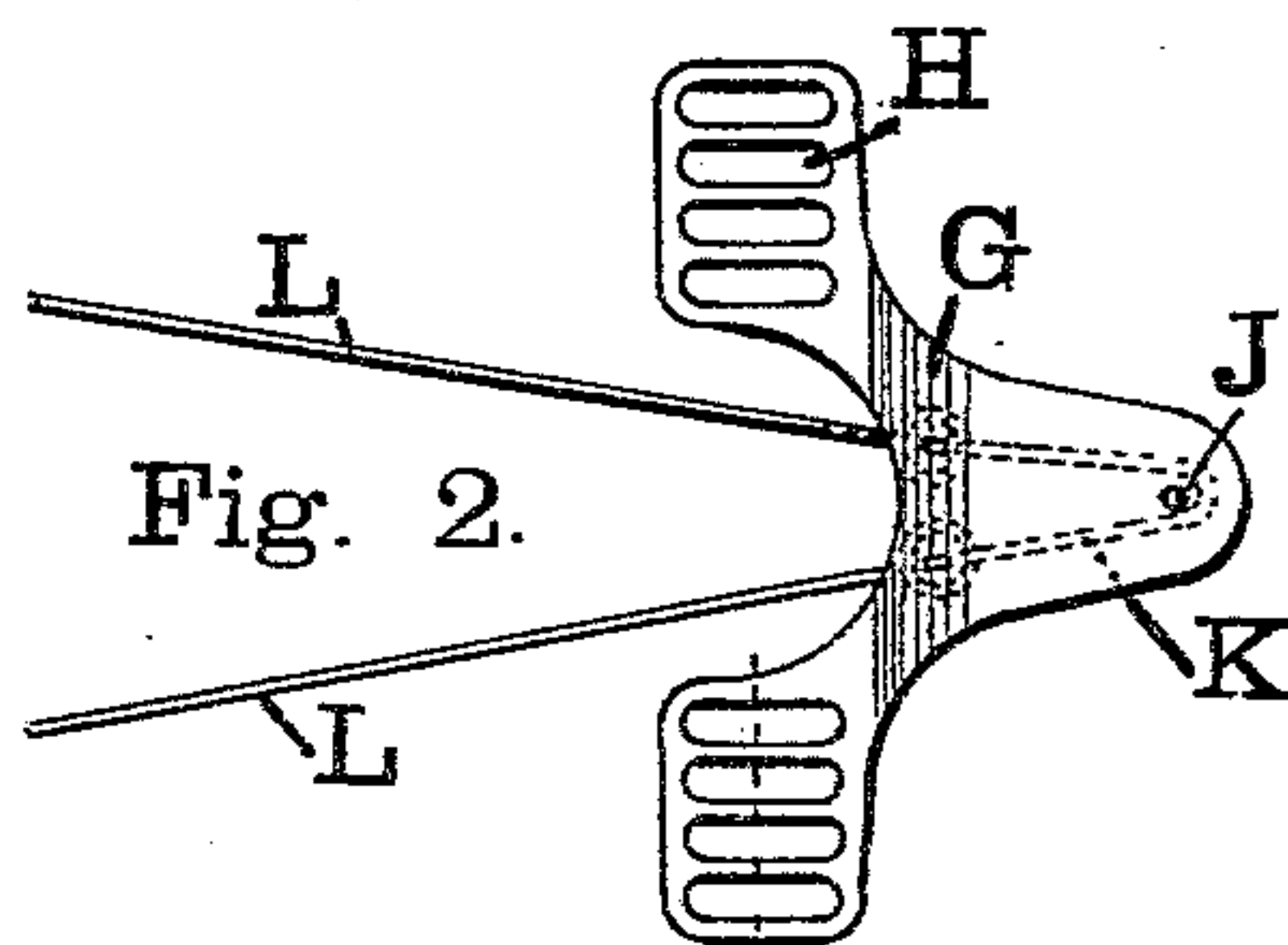


Fig. 2.

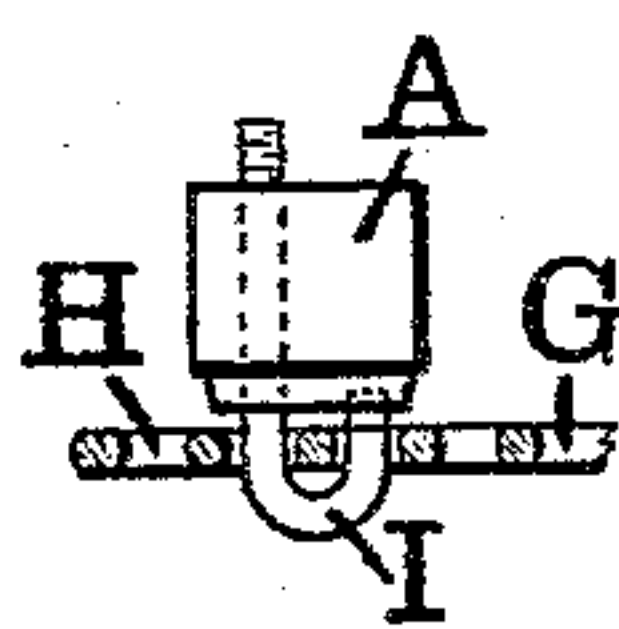


Fig. 4.

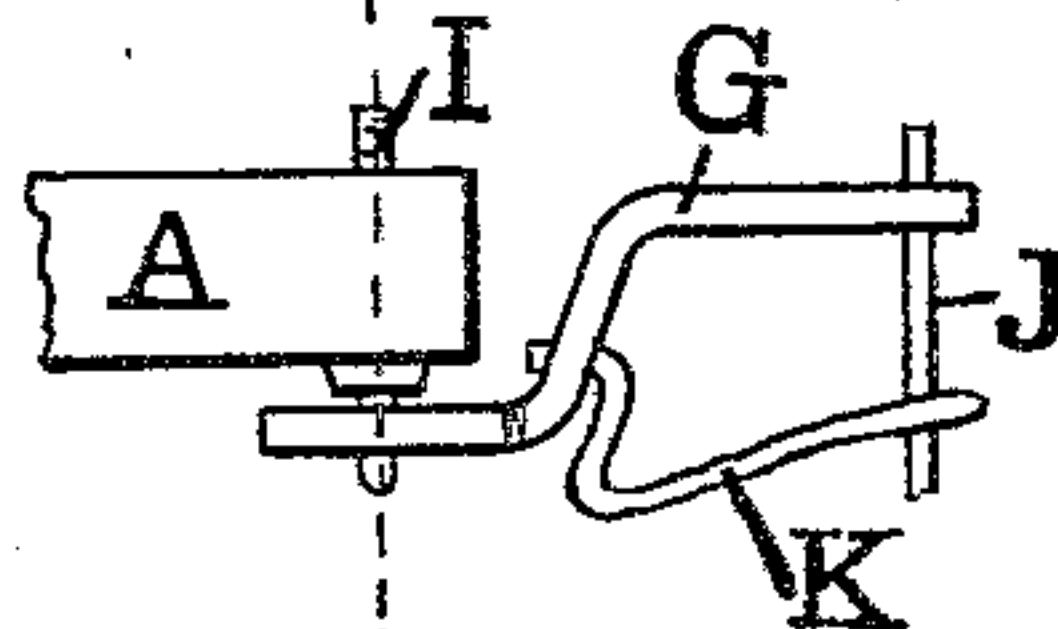


Fig. 3.

Witnesses:

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CONRAD SIEGÖRTNER, OF HAMILTON, OHIO.

PLOW.

SPECIFICATION forming part of Letters Patent No. 319,031, dated June 2, 1885.

Application filed April 20, 1885. (No model.)

To all whom it may concern:

Be it known that I, CONRAD SIEGÖRTNER, of Hamilton, Butler county, Ohio, have invented certain new and useful Improvements in Plows, of which the following is a specification.

This invention relates to coupling devices for double plows adapted for the cultivation of corn, &c.

The invention will be readily understood from the following description, taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of a double plow fitted with my coupling device; Fig. 2, a plan of the clevis and forward end of the draft-rods; Fig. 3, a side view of the clevis and front end of plow-beams; Fig. 4, a view of the front end of one of the plow-beams, with a portion of the clevis in vertical section; and Fig. 5, a dissected perspective view of the device for attaching the rear shackle-bar to the braces of the plows.

In the drawings, A indicates the beams of the two plows, one plow being right-hand, the other left-hand; B, the usual brace, reaching from mold-board to handle; C, the shackle-bar, reaching from brace to brace; D, a disk provided with a boss and seated against its appropriate brace B; E, a jawed casting whose back fits freely upon the boss referred to, and which supports a vertical pin adapted to pass through a hole in the proper end of the shackle-bar; F, a bolt passing through the jaw-piece E, the disk D, and the brace B.

The bolt holds the jaw-piece properly to the brace, but permits it to swivel as the two plows take different vertical positions. The pin of the jaw-piece is put into the proper hole of the shackle-bar to produce the proper distance between the plows, and the shackle-bar pivots upon this pin as one plow advances a trifle with reference to the other. The shackle-bar is connected in this manner at each of its ends to the braces B.

G indicates a clevis-plate, reaching across from beam to beam; H, slots through the ends of the clevis; I, a hook-bolt, provided with a thumb-nut, in the end of each plow-beam, the hook of the bolt engaging such of the slots H as

the spacing of the plows require; J, a bolt for the usual double-tree, supported in the forward projection of the clevis-plate; K, a V-shaped double hook, whose forward end engages the bolt J, and whose rear end is prevented from falling by terminal hooks engaging loosely through holes in the intermediate portion of the clevis-plate, the clevis-plate being offset at this portion; L, the draft-rods, which usually are disposed beneath the plow-beams, reaching from the break-pin or other connection at their rear ends to the clevis at the forward end of each plow-beam, but in this case converging from their rear attachment and connected to the hook K; and M, the usual bolt by which the rear end of each draft-rod is connected to its beam.

The hook-bolts I serve, simply, to sustain the clevis-plate and prevent its falling, the plate being at liberty to play back and forth with reference to these hook-bolts, and the slots of the plate enable the distance between the plows to be adjusted to suit the work in hand.

The double-tree pivots upon the bolt J, and exerts the draft through the hook K and the convergent draft-rods L, the draft-lines being thus from the two bolting-points M to the bolt J.

The clevis maintains the proper distance between the forward ends of the plow-beams, and permits the proper variation in the relative advance of the two plows, the shackle-bar C readily permitting this motion. The lagging of one horse of the team has thus no tendency to produce a lagging of one of the plows.

I claim as my invention—

1. The combination of two plows, a shackle-bar connecting them at the rear, as described, a clevis-plate provided with slots at its ends, bolts loosely connecting the clevis-plate to the forward ends of the plow-beams, a bolt at the forward end of the clevis-plate for the double-tree, and draft-rods connected at their rear ends to the plow-beams and converging to an attachment with the said double-tree bolt, substantially as and for the purpose set forth.

2. In a plow-clevis for double plows, the

combination of plate G, having slots H, bolt J, and hook K, substantially as and for the purpose set forth.

3. The combination of two plows, clevis-
5 plate G, connecting the forward ends of the plow-beams, braces B, disks D, jaw-piece E, provided with pins, bolts F, and shackle-

bar C, substantially as and for the purpose set forth.

CONRAD SIEGÖRTNER.

Witnesses:

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