

(No Model.)

2 Sheets—Sheet 1.

K. N. SHARP.
PLOW.

No. 479,992.

Patented Aug. 2, 1892.

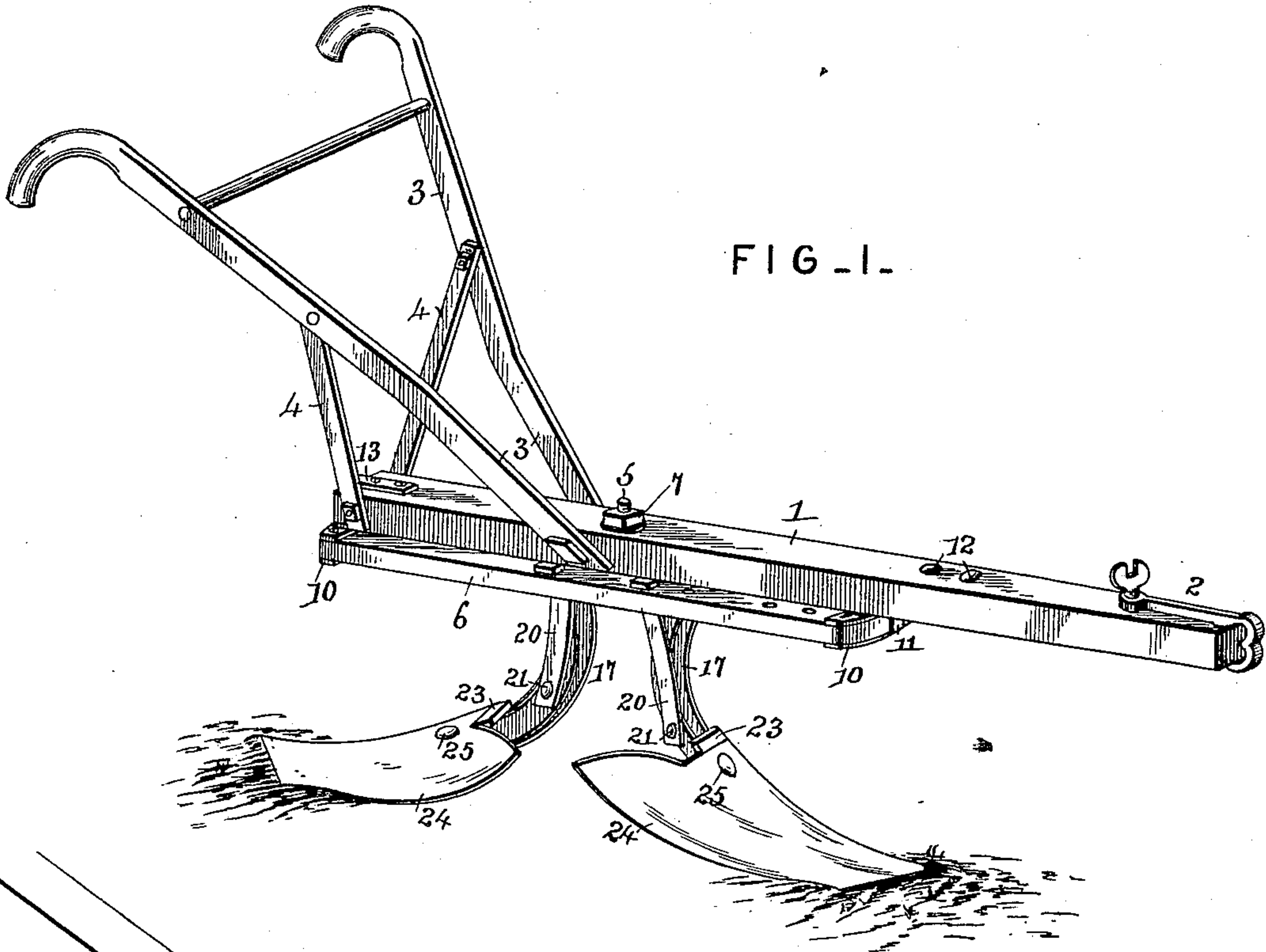
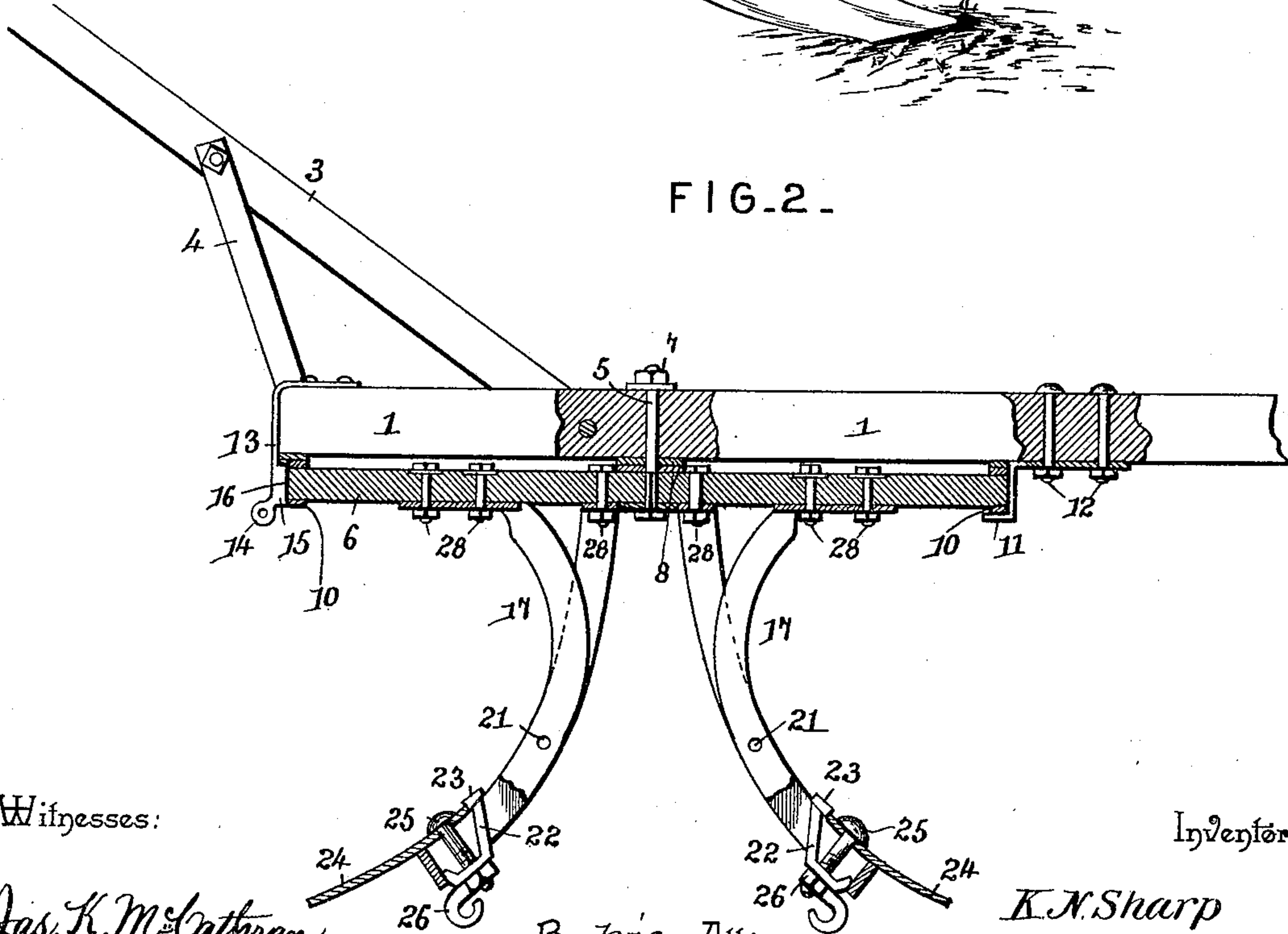


FIG. 2.



Witnesses:

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By his Attorneys,

C. A. Snow & Co.

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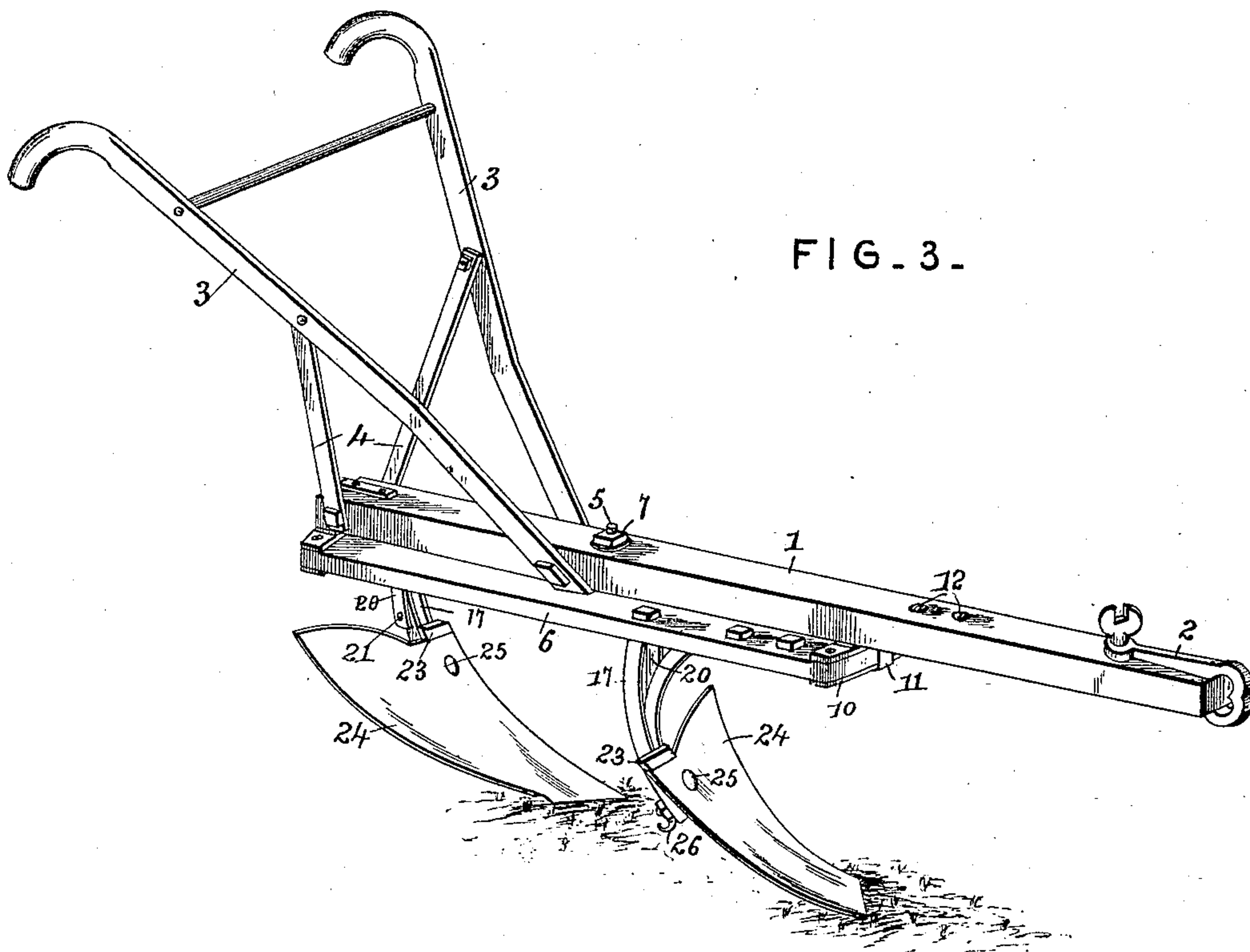


FIG. 3.

FIG. 4.

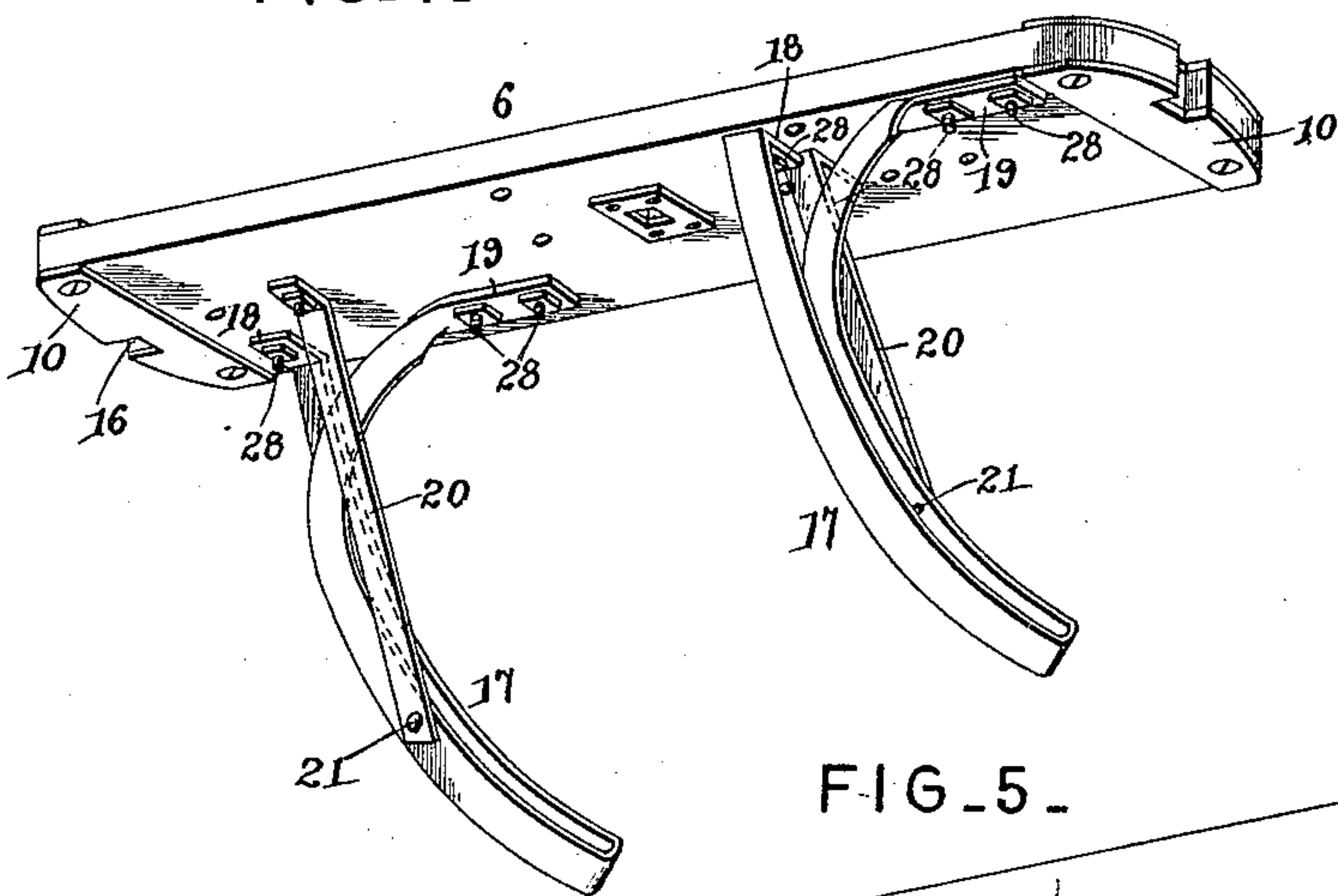
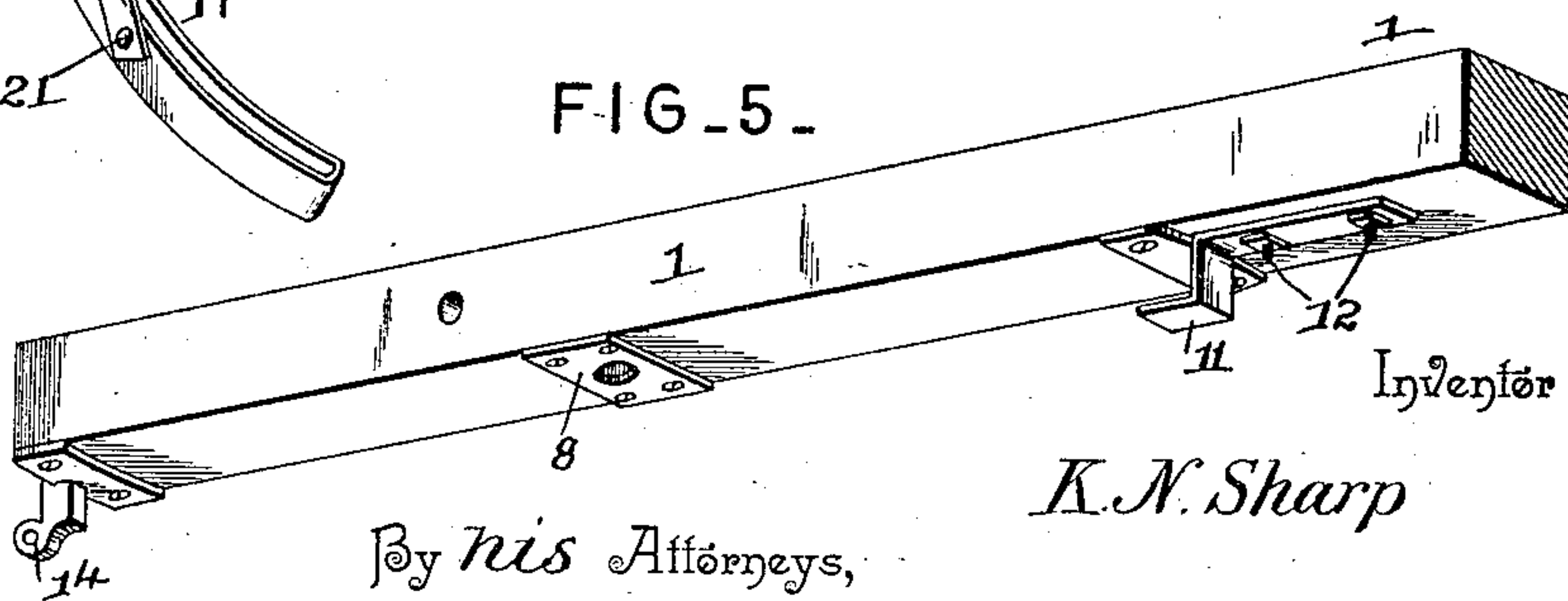


FIG. 5.



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UNITED STATES PATENT OFFICE.

KELLY N. SHARP, OF MOZELLE, GEORGIA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 479,992, dated August 2, 1892.

Application filed November 14, 1891. Serial No. 411,886. (No model.)

To all whom it may concern:

Be it known that I, KELLY N. SHARP, a citizen of the United States, residing at Mozelle, in the county of Jackson and State of Georgia, have invented a new and useful Plow, of which the following is a specification.

My invention relates to improvements in plows, the objects in view being to produce a plow of great simplicity and cheapness and adapted to be converted with facility to a right or left plow for use upon hillsides or to a subsoiler or single or double foot-plow.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claim.

Referring to the drawings, Figure 1 is a perspective of a plow constructed in accordance with my invention, the same being shown as adapted for operation upon a hillside. Fig. 2 is a longitudinal section of the plow. Fig. 3 is a perspective, the plow being adapted to serve as a double-foot plow. Fig. 4 is a detail in perspective of the turn-table, the plow being arranged thereon as in Fig. 3. Fig. 5 is a detail in perspective of the plow stock or beam, the view being taken from the under side.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the plow stock or beam, to the front end of which is secured an ordinary clevis 2 and to the opposite sides of which, near the rear end of the beam, are bolted the opposite diverging handles 3, braced by braces 4, the ends of which are bolted to the handles and beam.

5 designates a bolt, which extends down through the beam 1 and through a turn-table 6, below which the head of the bolt is located. A nut 7 secures the bolt in position. Wear-plates 8 are located upon the bolt between the under side of the beam and the turn-table and take the wear from each when the turn-table is rotated for a purpose hereinafter apparent. Wear-plates 10 are also located at the ends of the turn-table and upon the under side of the beam opposite said ends. A bayonet-shaped keeper 11 is bolted, as at 12, to the under side of the beam, directly in front of the turn-table, and in said keeper the front end of said table rests. The rear end of the

beam has secured thereto an L-shaped spring 13, the lower end of which is outwardly turned, as shown at 14, to form an eye and above the same is provided with a locking-nut 15, which is designed to engage automatically with a notch 16, formed in each end of the turn-table. It will be obvious that by withdrawing the spring-pressed lug from the nut at one end of the turn-table said table may be given a half-rotation or a reversal, so as to bring the opposite notched end into locking engagement with the said lug.

17 designates a bifurcated plow-standard, said standard being curved and having one terminal inwardly bent and perforated to form a securing-plate 18 and its opposite terminal abruptly curved at its upper end, given a quarter-twist, and forwardly extended and perforated to form a second securing-plate 19. A brace 20 is bolted at 21 to the forwardly-disposed terminal, extends upwardly nearly parallel with the companion terminal, and is laterally bent and perforated to form a securing-plate 21.

22 designates a casting mounted between the bifurcations of the standard and provided at its front end beyond said standard with a T-shaped head 23 and below the same with a perforation through which and the shovel or share 24 passes a bolt 25, the upper end of the shovel or share resting against the T-head. The bolt 25, together with the casting, and consequently the shovel, may be adjusted at any point along the standard by a tail-nut 26, threaded on the rear end of the bolt. It will be understood that a pair of such standard-shovels and their fastenings are employed, and when the plow is to be used as a hillside-plow these standards are connected at each side of the transverse center and to the under side of the turn-table by means of bolts 28, passed through the several perforated securing-plates heretofore mentioned, and in which the standards and their braces terminate. In this instance also—that is, where the plow is adapted for hillside use—the standard and the shares or shovels are oppositely disposed. In this operation the plow is first drawn in the direction so that the dirt is turned downhill, or, in other words, so that the mold-board side of the shovel is toward the bottom of the

hill, and when the end of the furrow has been reached the spring at the rear end of the stock is drawn rearwardly, so as to unlock the turntable from the beam, which is given a half-rotation, so that the theretofore rear and idle plow is brought into operation and the moldboard side will still be toward the base of the hill. This is accomplished by employing a right and left hand shovel upon the two plow-standards. It will thus be seen that when operating upon hillsides whichever way the plow travels the dirt will be thrown toward the base of the hill. By removing one of the standards a single-foot right or left plow is provided. At diagonally-opposite sides the bolt-opening for the plow-standard bolts is duplicated, and, as shown in Figs. 3 and 4, the standards may be disposed in the same direction, and being thus located out of line with each other it will be seen that I then have an ordinary double plow or subsoiler.

From the foregoing description, in connection with the accompanying drawings, it will be obvious that I have provided a plow em-

bodying great simplicity and economy and one including in its make-up such parts as will adapt it to be readily converted into the various forms enumerated and when in such forms performing their regular and independent functions.

Having described my invention, what I claim is—

The combination, with the beam, of the pivoted turn-table secured thereto and provided with central and diagonally-opposite series of openings, and a pair of plow-standards provided with plows and terminating at their upper ends in securing-plates, and bolts for securing said standards removably to the central or diagonally-opposite series of openings, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

KELLY N. SHARP.

Witnesses:

A. E. BROOKS,
J. S. PINSON.