

(No Model.)

B. C. TROXLER.
PLOW.

No. 445,913.

Patented Feb. 3, 1891.

Fig. 1.

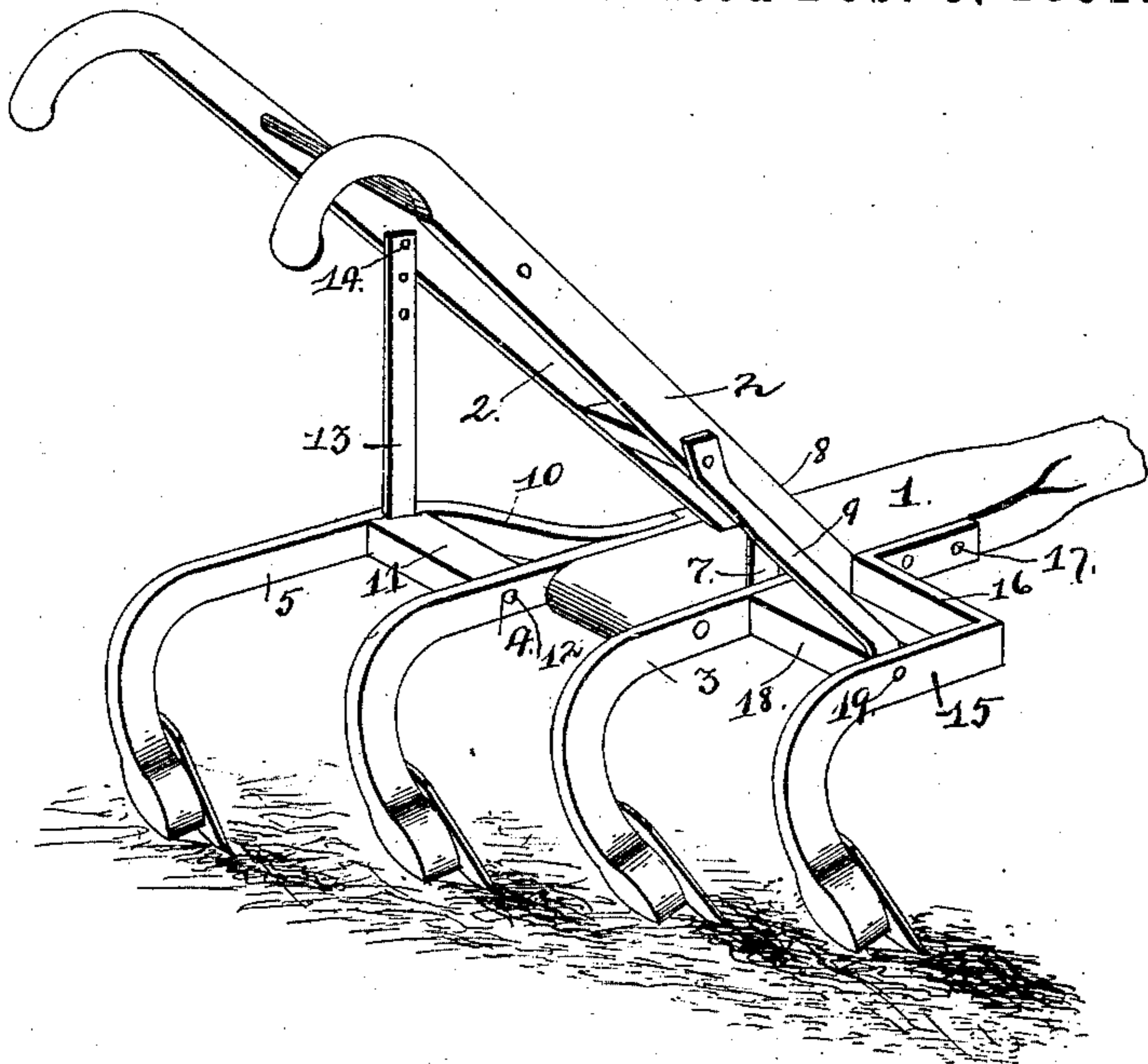
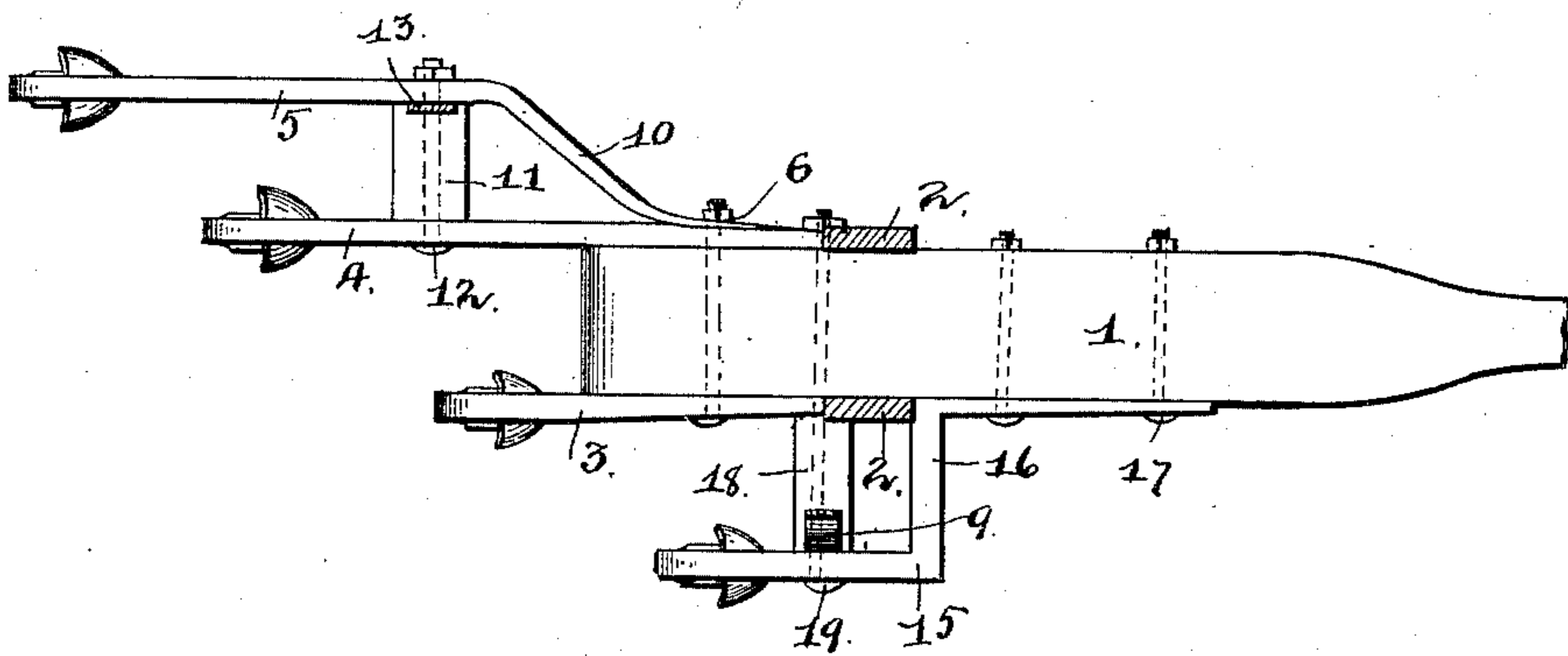


Fig. 2.



Witnesses:

Horace G. Seitz

W. S. Swall

Barney C. Troxler, Inventor

By his Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

BARNEY C. TROXLER, OF GREENSBOROUGH, NORTH CAROLINA, ASSIGNOR
OF ONE-HALF TO ARTHUR G. WILSON, OF SAME PLACE.

PLOW.

SPECIFICATION forming part of Letters Patent No. 445,913, dated February 3, 1891.

Application filed June 7, 1890. Serial No. 354,624. (No model.)

To all whom it may concern:

Be it known that I, BARNEY C. TROXLER, a citizen of the United States, residing at Greensborough, in the county of Guilford and State of North Carolina, have invented a new and useful Plow, of which the following is a specification.

This invention has relation to improvements in plows of that class employing a series of standards and shovels, one arranged in advance of the other.

The objects of the invention are to conveniently combine and arrange a series of four standards and shovels in a convenient, strong, and durable manner, and so as to require as light a draft as possible for operating the same.

The objects and advantages of the invention will hereinafter appear, 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. Fig. 2 is a plan of the same, the handles removed.

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

1 designates the usual main plow-beam, to the opposite sides of which are bolted the upwardly-disposed and diverging handles 2, suitably braced, as shown.

3 and 4 represent the two central plow-standards, each of the "goose-neck" pattern, the former standard being arranged in advance of the other and each applied to a side of the beam. The left-hand standard 5 terminates in rear of the standard 4 and has its front end bolted, as at 6, to the standard 4 and to the beam, which bolt also passes through the beam and the central standard 3 and through the lower end of a short strap or brace 7, bolted at its upper end to the right-hand handle 2 by means of a bolt 8, which at its outer end passes through the upper end of a strap or brace 9, laterally inclined. The standard 5 in rear of its connections 6 is outwardly bent, as at 10, to form a knee, which spaces it a proper distance from the standard 4, and between the two standards is interposed a space-block 11, through which is passed a bolt 12, said bolt also passing through the stand-

ards 10 and 4 and through the lower end of a vertical brace-strap 13, the upper end of which is bolted, as at 14, to the left-hand handle 2.

15 designates the right-hand or advance standard, the inner end of which is bent to form an L or shoulder 16 and is bolted, as at 17, to the side of the beam 1. In rear of its shoulder or L there is interposed between the standard 15 and the standard 3 a space-block 18, through which passes a bolt 19, said bolt also passing through the standards 15 3 and the front end of the standard 5, in advance of the standard 4 and through the lower end of the inclined laterally-disposed strap or brace 9, which, as before stated, is bolted to the right-hand handle 2.

From the above construction it will be apparent that I have provided an exceedingly-rigid set of plow-standards, each of which, it will be understood, is provided with the usual shovels, as shown, and that said rigid connections between the parts are secured by a minimum number of bolts and braces, each of said bolts serving the purpose of binding several parts in their relative position. A plow thus constructed is operated in the usual manner, and by the spacing apart of its several beams or standards is adapted to cultivate simultaneously as many rows.

Having thus described my invention, what I claim is—

In a plow of the class described, the combination, with the main or central beam 1 and the upwardly-diverging handles 2, bolted to opposite sides of said beam, of the central standards 3 and 4, applied to opposite sides of the beam, the latter standard being in rear of the former, the outer or side standards 15 and 5, each bent to form a knee or shoulder and spaced from the central standard and in advance and rear of the same, the space-block 11, interposed between the beams 4 and 5, the vertical brace 13, bolted at its upper end to the left-hand handle and depending and terminating between the block 11 and beam 5, the bolt 12, passing through the standards 4 and 5, the bolt 6, passing through the beams 3, 4, and 5 and through the short brace 7, interposed between the beam 1 and standard 3 and extending up opposite the right-hand

handle 2, the bolt connecting the handles and
passing through the upper end of the brace 7,
the laterally-inclined brace 9, also mounted on
said bolt, the block 18, interposed between the
5 standard 15 and the standard 3, and the bolt
19, passing through the lower end of the brace
9, the block 18, the beam 1, and the standard
5, substantially as specified.

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

BARNEY C. TROXLER.

Witnesses:

JNO. L. BAKER,

J. W. SCOTT.