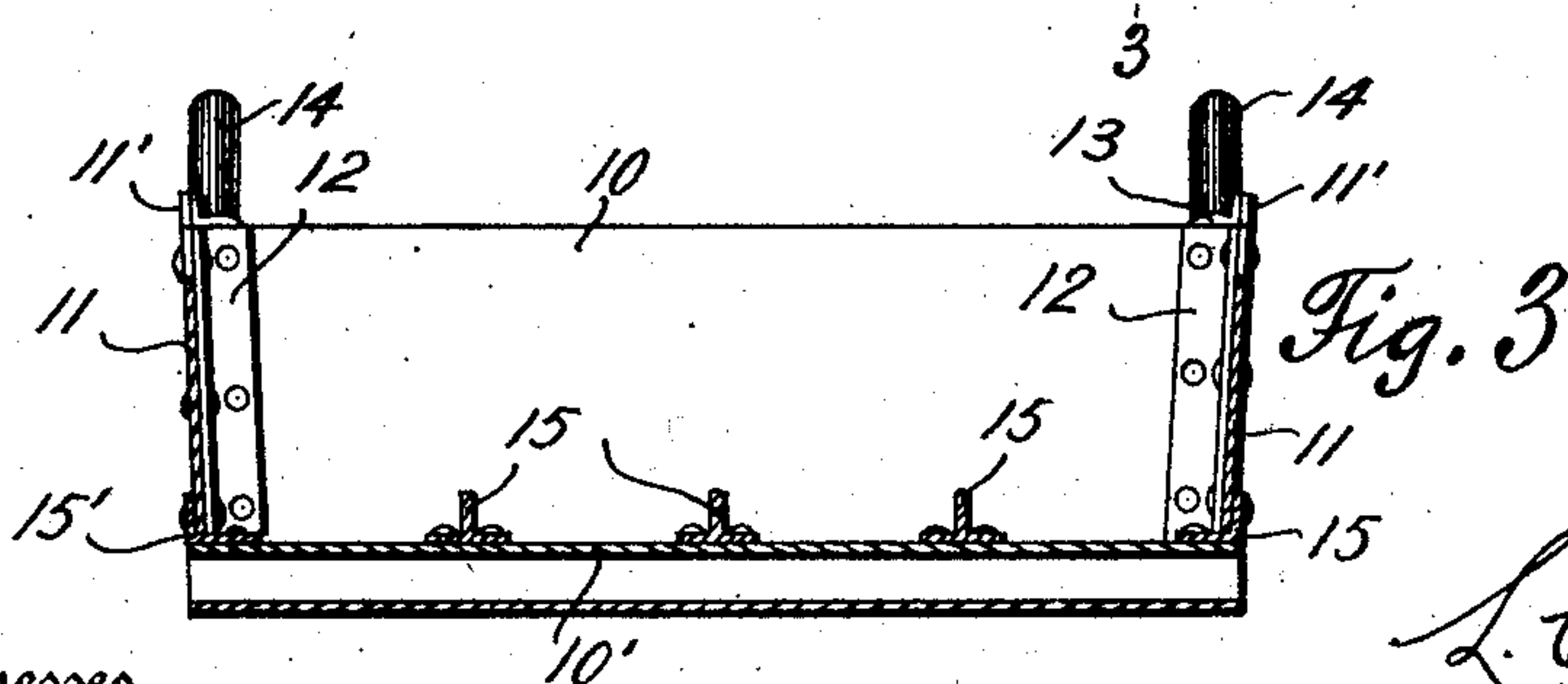
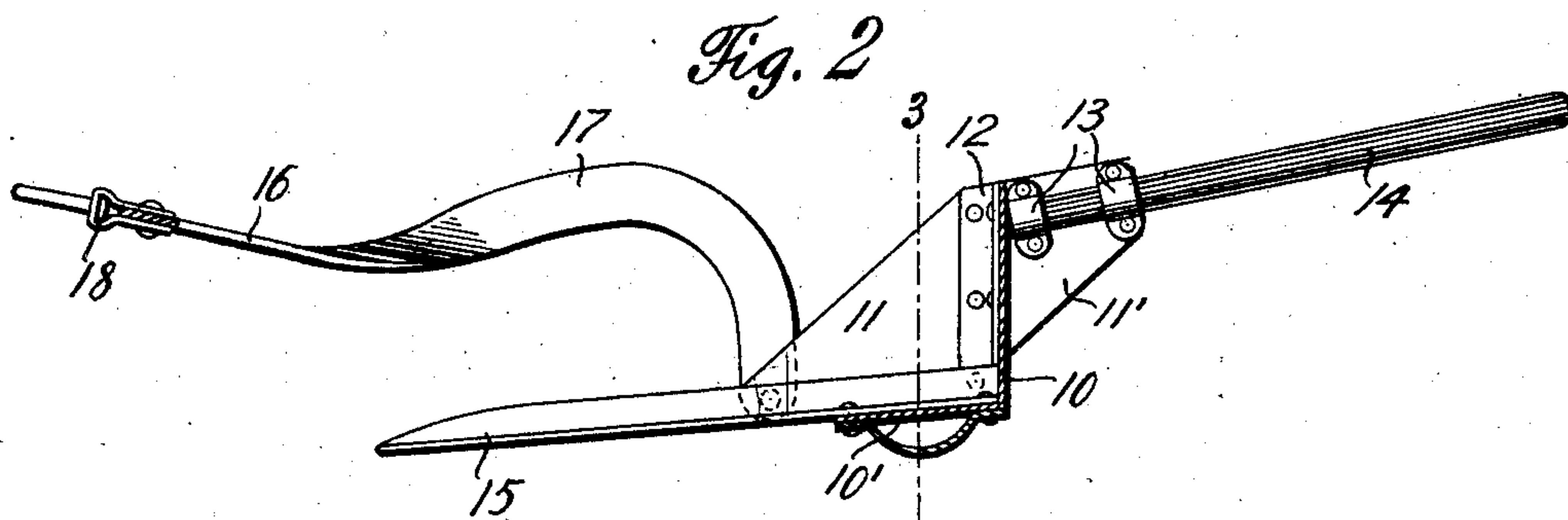
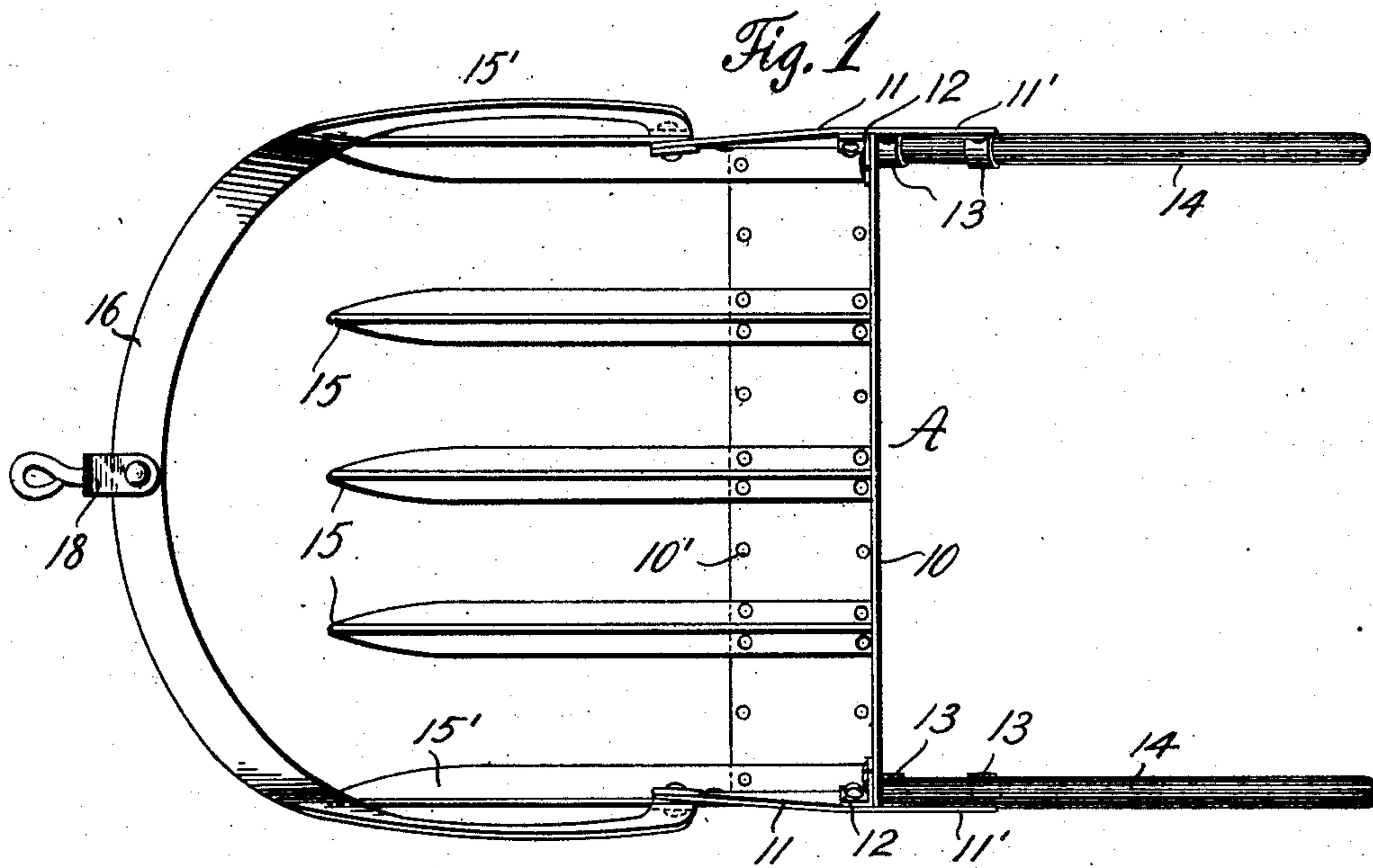


L. C. PETERSON.  
MANURE SCRAPER.  
APPLICATION FILED MAR. 3, 1910.

973,967.

Patented Oct. 25, 1910.



Witnesses

*E. Larson*  
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By

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# UNITED STATES PATENT OFFICE.

LARS C. PETERSON, OF OSAGE CITY, KANSAS, ASSIGNOR OF ONE-HALF TO FRED E. ANDERSON, OF OSAGE CITY, KANSAS.

## MANURE-SCRAPER.

973,967.

Specification of Letters Patent.

Patented Oct. 25, 1910.

Application filed March 3, 1910. Serial No. 547,058.

*To all whom it may concern:*

Be it known that I, LARS C. PETERSON, a citizen of the United States, residing at Osage City, in the county of Osage and State of Kansas, have invented certain new and useful Improvements in Manure-Scrapers, of which the following is a specification.

This invention has reference to farming implements, and particularly to that class of farming implements known as manure scrapers.

The present invention contemplates the construction of a device of this character which will, when in operation, retain substantially all of the manure within the limits of the implement.

With the above and other objects in view, this invention consists of the construction, combination and arrangement of parts all as hereinafter more fully described, claimed and illustrated in the accompanying drawings, wherein:

Figure 1 is a top plan view of a device constructed in accordance with the present invention; Fig. 2 is a central longitudinal section thereof; Fig. 3 is a section taken along line 3—3 of Fig. 2.

The manure scraper forming the subject-matter of the present invention comprises a body portion A of such a construction that the various elements of the entire implement aid in forming the same. An angularly bent strip of metal or like material 10 forms the main portion of the manure scraper, and is constructed in such a manner that the base arm or section thereof 10' is normally at an obtuse angle to the vertical side which forms the back of the implement.

The sides of the body portion A comprise strips 11 which are, in general configuration, somewhat diamond shaped the forward half thereof converging from the upper edge of the back 10 to beyond the forward edge of the base portion 10'. Angle irons 12 are interposed between the back 10 and the sides 11, one arm of said angle irons engaging the sides, while the other arm engages the back, and in this manner the sides are rigidly secured to the back.

The projecting portions 11' of the sides 11 are provided to the rear of the back 10 with the coinciding or registering socket bands 13 in which are received the handles 14.

A plurality of teeth 15 are centrally disposed on the base 10' of the body portion A

and extend completely across said base portion, bearing against the vertical back 10. These teeth comprise a plurality of T-bars, the forward extremities of which are sharpened as illustrated, the flat base parts of said T-bars being riveted to the base 10' of the body A.

The extreme teeth 15' comprise angle bars similarly sharpened at their forward extremities which form a connection between the horizontal edges of the sides 11 and the base 10'. The rear extremities of these extreme teeth 15' likewise extend completely across the base 10' and have their horizontal sides riveted to said base and the vertical arms similarly secured to the exterior of the sides 11.

This construction greatly increases the strength of the body portion A and also forms a better purchase for the teeth 15 and 15' which, due to their peculiar construction, are securely fastened to the body portion. The T-formation of the teeth greatly facilitates the collection of the manure and which is due to the ability of said teeth to discriminate between the coarse and fine manure.

A bail 16 is pivotally connected to the sides 11 adjacent their forward extremities and is provided with the upwardly curved portions 17 adjacent to said arms. The forward portion of said bail is approximately horizontal and carries a clevis 18 through the instrumentality of which a horse or like motive power is attached to the implement.

Having thus described my invention, what is claimed as new is:

1. A device of the class described comprising, in combination, a body portion provided with a horizontal base and a vertical back, sides coöperating with said body portion and projecting rearwardly therefrom, an angle bar interposed between the back of the body portion and said sides, central T-teeth secured to said base and extending completely across the same, extreme angle bar teeth similarly secured to said base and forming a connection between said sides and said base, registering socket bands secured on the projections of said sides, handles adapted to be received in said sockets, and a bail pivoted to the sides provided adjacent to said sides with an upwardly curved portion.

2. A device of the class described com-

prising, in combination, a body portion provided with a horizontal base and a vertical back; sides secured to the extremities of said body portion and projecting rearwardly  
5 therefrom, centrally located T-teeth secured to said base and extending completely across the same, extreme angle bar teeth likewise extending completely across the base and forming a connection between said sides and  
10 the base, coinciding registering socket bands carried by said rearwardly projecting por-

tions of the sides aforesaid, handles removably secured in said bands, and a bail pivotally connected to said sides, said bail being provided with an upwardly curved portion 15 adjacent to the sides.

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

LARS C. PETERSON.

Witnesses:

HALLIE WINTERS,  
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