

W. F. FAIRCLOTH.
 PLOW BEAM.
 APPLICATION FILED MAY 7, 1910.

985,408.

Patented Feb. 28, 1911.

Fig. 1.

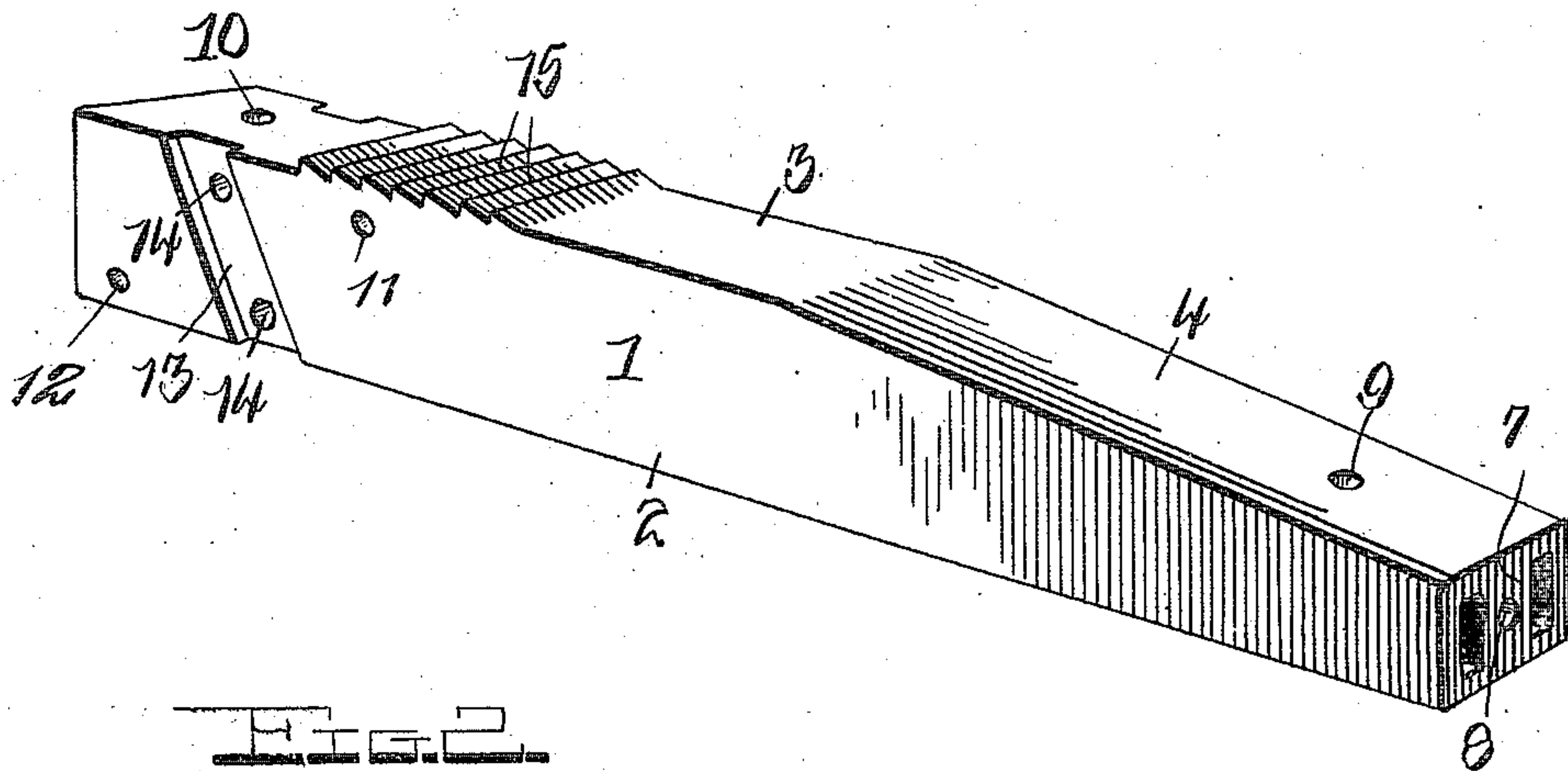


Fig. 2.

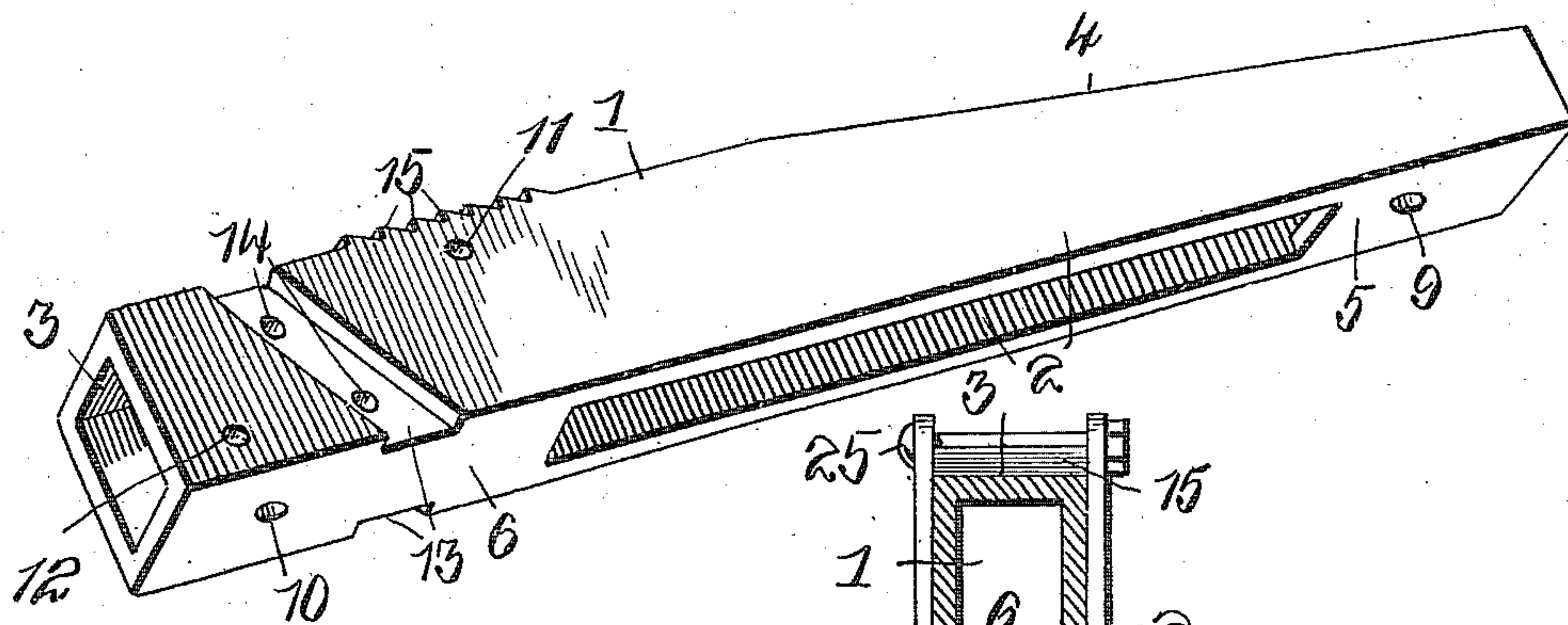
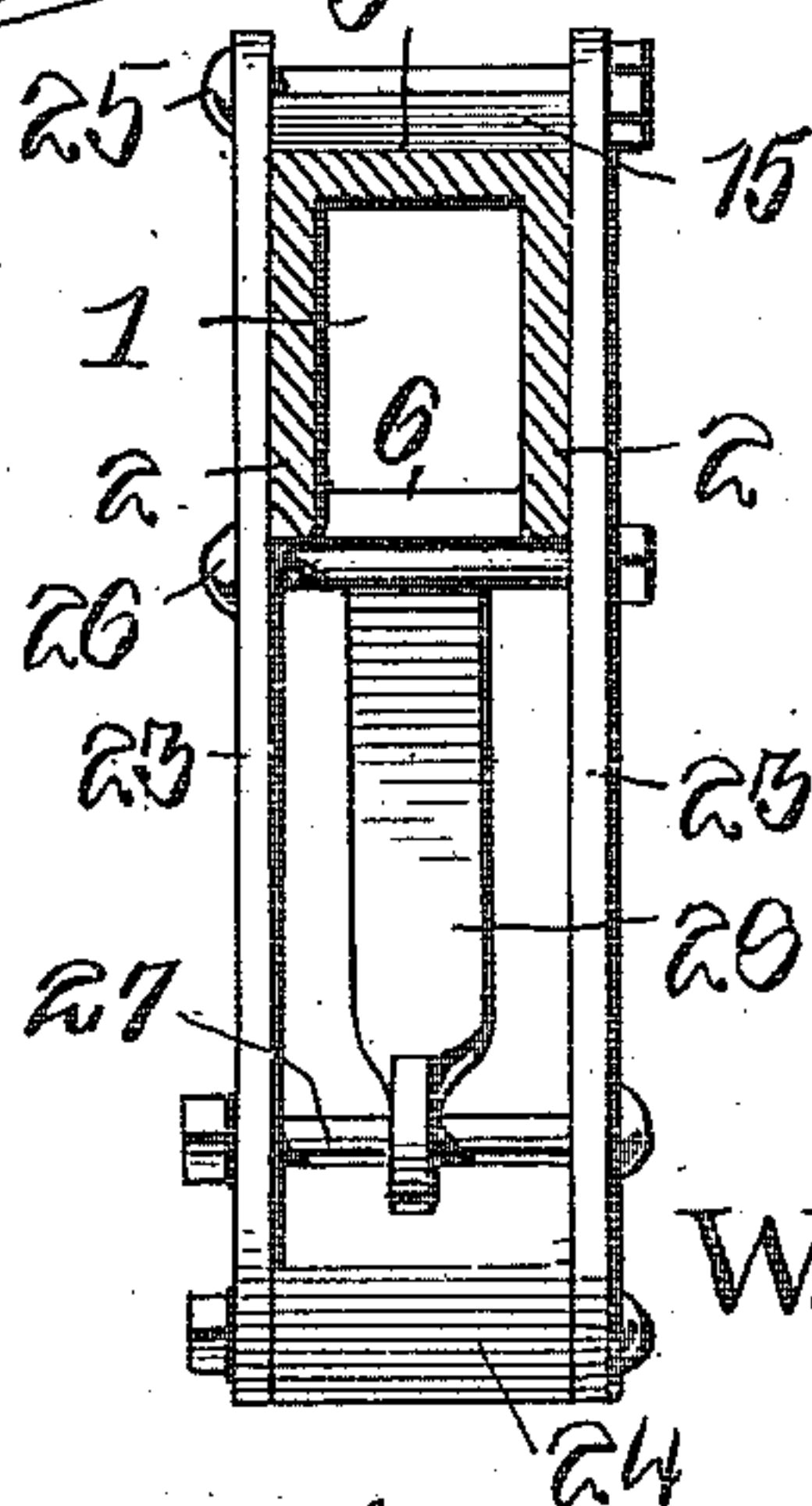


Fig. 3.



Witnesses

Chas. L. Griesbauer.
 C. M. Ricketts

By

Watson E. Coleman,
 Attorney

Inventor
 W. F. Faircloth,

UNITED STATES PATENT OFFICE.

WALTER F. FAIRCLOTH, OF SPRAGUE, ALABAMA.

PLOW-BEAM.

985,408.

Specification of Letters Patent.

Patented Feb. 28, 1911.

Application filed May 7, 1910. Serial No. 559,950.

To all whom it may concern:

Be it known that I, WALTER F. FAIRCLOTH, a citizen of the United States, residing at Sprague, in the county of Montgomery and State of Alabama, have invented certain new and useful Improvements in Plow-Beams, of which the following is a specification, reference being had to the accompanying drawings.

This invention is an improved cast metal hollow plow beam comprising a top, sides, a bottom, and a closed front end the bottom having an opening extending nearly from end to end thereof, the top of the beam being formed at a suitable distance from its rear end with a series of transverse rack teeth, the sides of the beam being formed at a point between the rack teeth and the rear end of the beam, with inclined grooves to receive the lower ends of the handle bars, the integral rear portion of the bottom of the beam connecting the sides of the beam at the point where the said grooves are located, and strengthening the said grooved portion of the beam, the integral front portion of the bottom of the beam coacting with the wall which closes the front end of the beam to strengthen the construction thereof as hereinafter described and claimed.

In the accompanying drawings—Figure 1 is a perspective view of a plow beam constructed in accordance with my invention, looking from the front end thereof. Fig. 2 is a similar view of the same looking from the rear end thereof, and showing the bottom side of the beam. Fig. 3 is a vertical transverse sectional view of the beam, also showing a standard attached to the beam and a brace for the standard.

My improved hollow metallic plow beam 1 is cast in a single piece. The beam is rectangular in shape, cross sectionally, and comprises a top 3 having a downwardly and forwardly inclined front portion 4, vertical sides 2, a bottom and a front wall 7 closing the front end of the beam, the rear end of the beam being open. On the top of the beam at a suitable distance from the rear end thereof, are a series of transversely extending rack teeth 15. The bottom comprises the integral front portion 5 and the integral rear portion 6, that portion of the bottom between the parts 5 and 6 being open, as shown in Figs. 2 and 3, to lighten the construction of the beam. The front

bottom portion 5 coacts with the side walls and the front wall 7 to strengthen the construction of the front end of the beam. The front end of the beam has an opening 8 to receive the stud of a clevis, and openings 9 are in the upper side of the beam and the bottom portion 5 thereof to receive a bolt which is employed to secure the upper and lower arms of the clevis respectively on the upper and lower sides of the beam. In the sides of the beam at a suitable distance from the rear end thereof, are openings 11 to receive a bolt employed for securing the forked upper end of a standard to the beam. When a standard comprising a pair of members 23 is used in connection with the beam, the said members bear on opposite sides of the beam and are secured thereto by bolts 25, 26, the bolt 25 engaging one of the teeth 15 on the upper side of the beam, and the bolt 26 bearing against the bottom of the beam. The lower ends of these members 23 are connected together by a block 24, which is bolted thereto, and the said standard is provided with a brace 28, the lower end of which is secured between the members 23, by a bolt 27, the upper end of the standard bearing against the integral portion 6, constituting the rear part of the bottom of the beam, the said portion 6 of the beam having an opening 10 for the reception of a bolt to secure the rear end of the brace in place, the upper side of the beam near its rear end also having an opening 10 for the upper part of the said bolt.

Transverse openings 12 are in the sides of the beam near its rear end to receive a bolt for securing the brace of another form of standard to the beam. In the opposite sides of the beam near the rear end thereof, are inclined grooves 13 to receive the lower ends of a pair of handle bars, and are provided with openings 14, for the reception of bolts to secure the handle bars in place.

It will be understood that the integral rear portion 6 of the bottom of the beam connects the sides 2 of the beam at the point where the said grooves are located, and strengthens the beam at that point, and serves to prevent the weakening of the beam by the provision of the grooves.

My improved beam is light, may be easily cast and may be manufactured at minimum cost.

Having thus described the invention, what is claimed is:

As a new article of manufacture, the herein described cast metal hollow plow beam comprising a top, sides, a bottom, and a closed front end, the bottom having an opening extending nearly from end to end thereof, the top of the beam being formed at a suitable distance from its rear end with a series of transverse rack teeth, the sides of the beam being formed at a point between the rack teeth and the rear end of the beam with inclined grooves to receive the lower ends of the handle bars, the integral rear por-

tion of the bottom of the beam connecting the sides of the beam at the point where the said grooves are located, and strengthening the said grooved portion of the beam, the integral front portion of the bottom of the beam coacting with the wall which closes the front end of the beam to strengthen the construction thereof. 15 20

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

WALTER F. FAIRCLOTH.

Witnesses:

ALVIN BOYD,
J. P. ANDERSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
