

T. R. WALLIS.
 PLOW BRACE.
 APPLICATION FILED JULY 28, 1908.

906,838.

Patented Dec. 15, 1908.

Fig. 1,

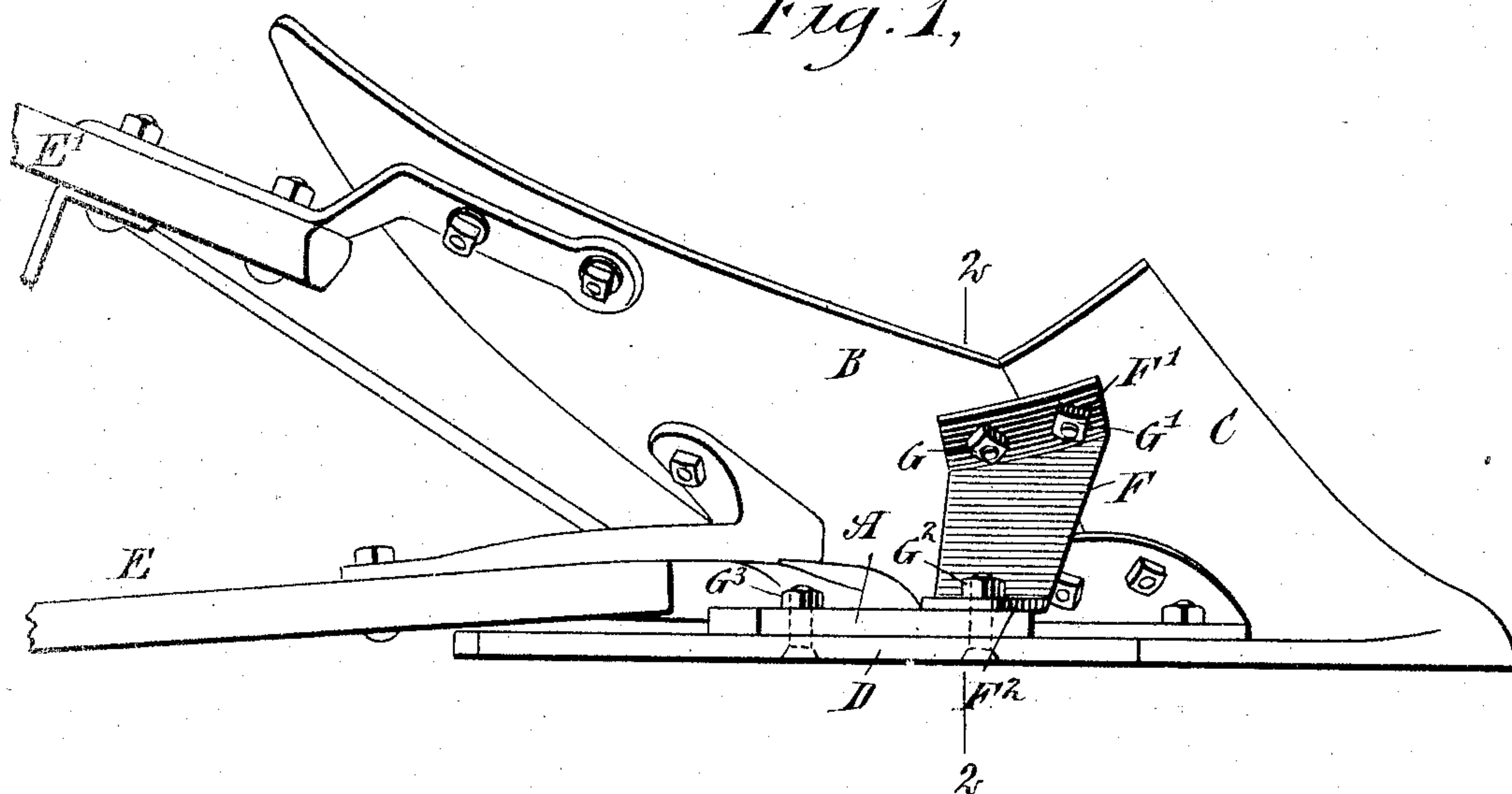


Fig. 2,

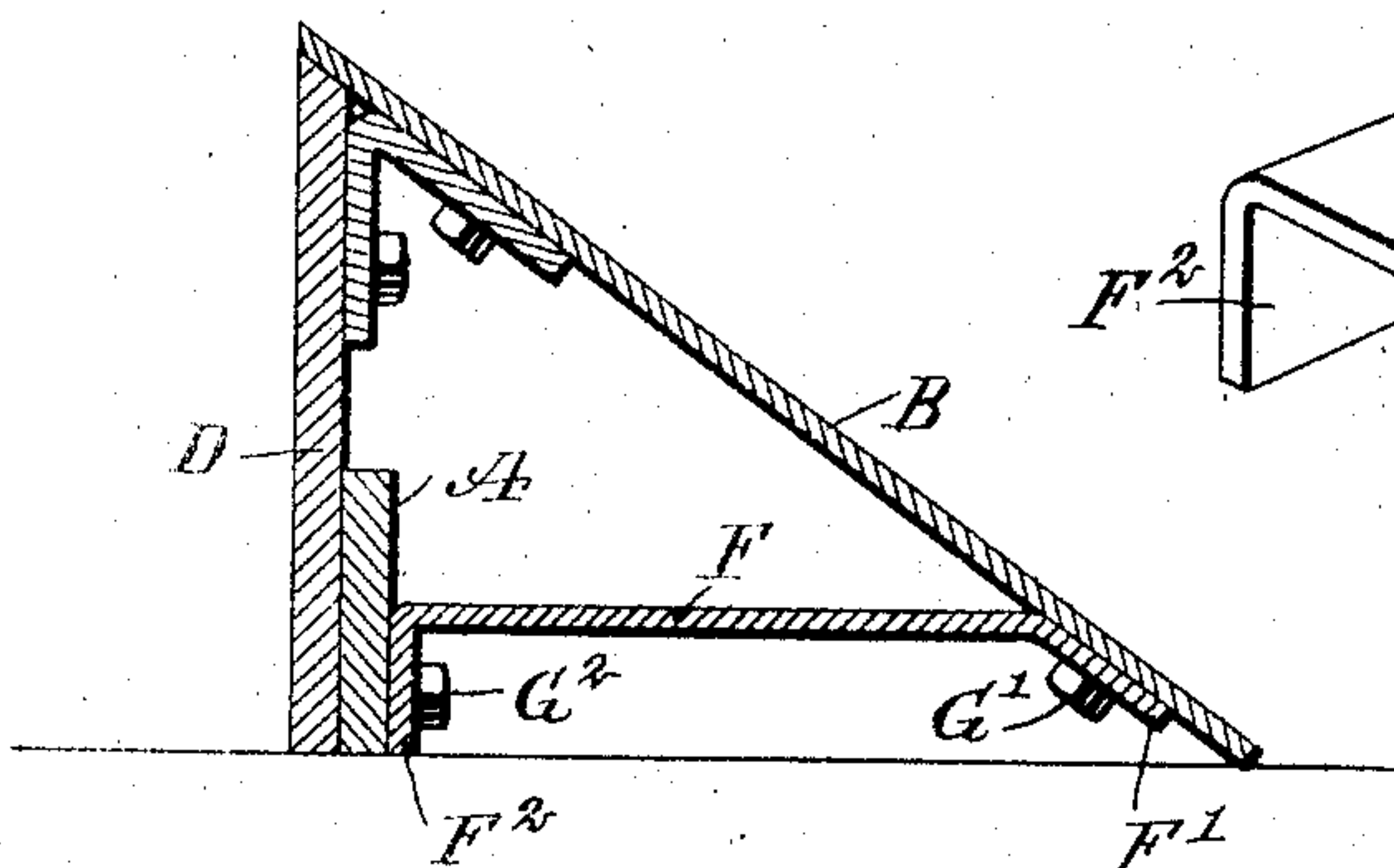
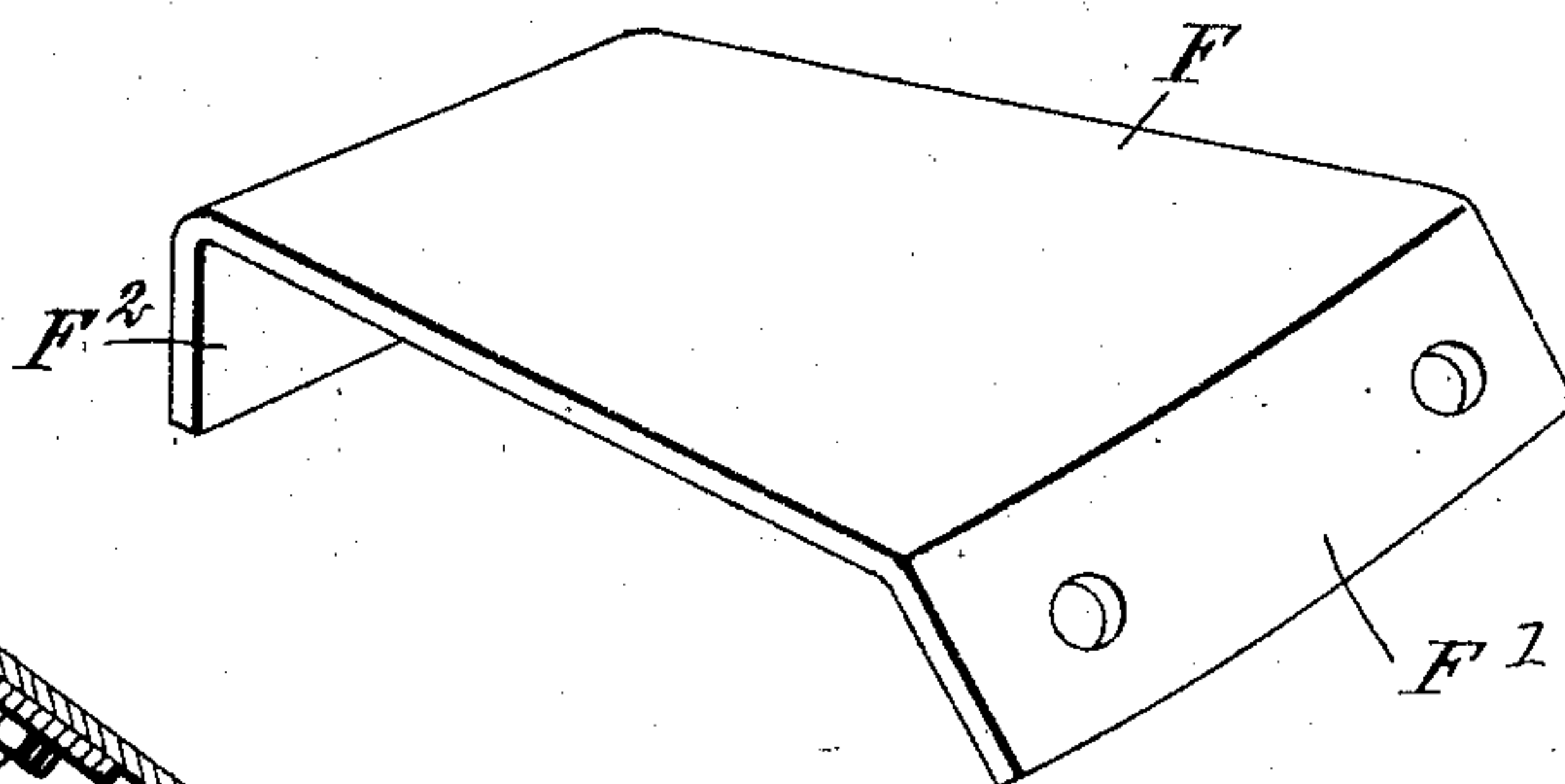


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

THOMAS RILEY WALLIS, OF SEARCY, ARKANSAS.

PLOW-BRACE.

No. 906,838.

Specification of Letters Patent.

Patented Dec. 15, 1908.

Application filed July 28, 1908. Serial No. 445,727.

To all whom it may concern:

Be it known that I, THOMAS R. WALLIS, a citizen of the United States, and a resident of Searcy, in the county of White and State of Arkansas, have invented a new and Improved Plow-Brace, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved plow brace, arranged to form a direct and exceedingly strong connection between the point of greatest pressure on the plowshare and mold-board and the point directly opposite at the joint of the standard and the land-side of the plow, thus offering the greatest resistance to the line of greatest strain the plow is subjected to during its legitimate use.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claim.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is an under side view of a plow provided with the improvement; Fig. 2 is a cross section of the same on the line 2—2 of Fig. 1, and Fig. 3 is an enlarged perspective view of the brace.

The ordinary turning plow shown in Fig. 1 and on which the brace is applied, consists of the usual standard A, mold-board B, plowshare C, land-side D and handles E, E'. The brace F is formed of a single piece of flat metal provided at its ends with angular flanges F', F², of which the flange F' extends across the joint of the mold-board B and plowshare C and fits the inner faces thereof, the flange F' being secured by a bolt G to the mold-board B and by a bolt G' to the plowshare C. The flange F² is fastened by a bolt G² to the lower forward

end of the standard A, the bolt G² also serving to hold the land-side D in position on the standard A, it being understood that another bolt G² is also used for connecting the standard A and land-side D with each other.

By the arrangement described, the brace forms a direct and exceedingly strong connection between the point of greatest pressure on the mold-board and plowshare and a point directly opposite at the joint of the standard A with the land-side D, so that the brace offers the greatest resistance to the line of greatest strain the plow is subjected to during its legitimate use.

It will also be noticed that the plow brace can be readily applied to the ordinary turning plow or the Sultzzer wheel plow as now constructed, to render such plow exceedingly strong and durable.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

In a plow, the combination of a standard, a land side, a mold board, a share, and a brace having angular flanges at its ends, one of the flanges extending across the joint of the mold board and share, and fitting the inner faces thereof, the other flange fitting the lower end of the standard, the widest dimension of said brace being arranged substantially vertical, and bolts for fastening the flanges to the mold board, the share and the standard, the bolt connecting the brace with the standard also traversing the land side.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOMAS RILEY WALLIS.

Witnesses:

W. E. BARTON, Jr.,
WILLIS CALDWELL.