

No. 814,436.

PATENTED MAR. 6, 1906.

E. EINFELDT.

WAGON BOLSTER AND STAKE CONSTRUCTION.

APPLICATION FILED SEPT. 9, 1905.

Fig. 1.

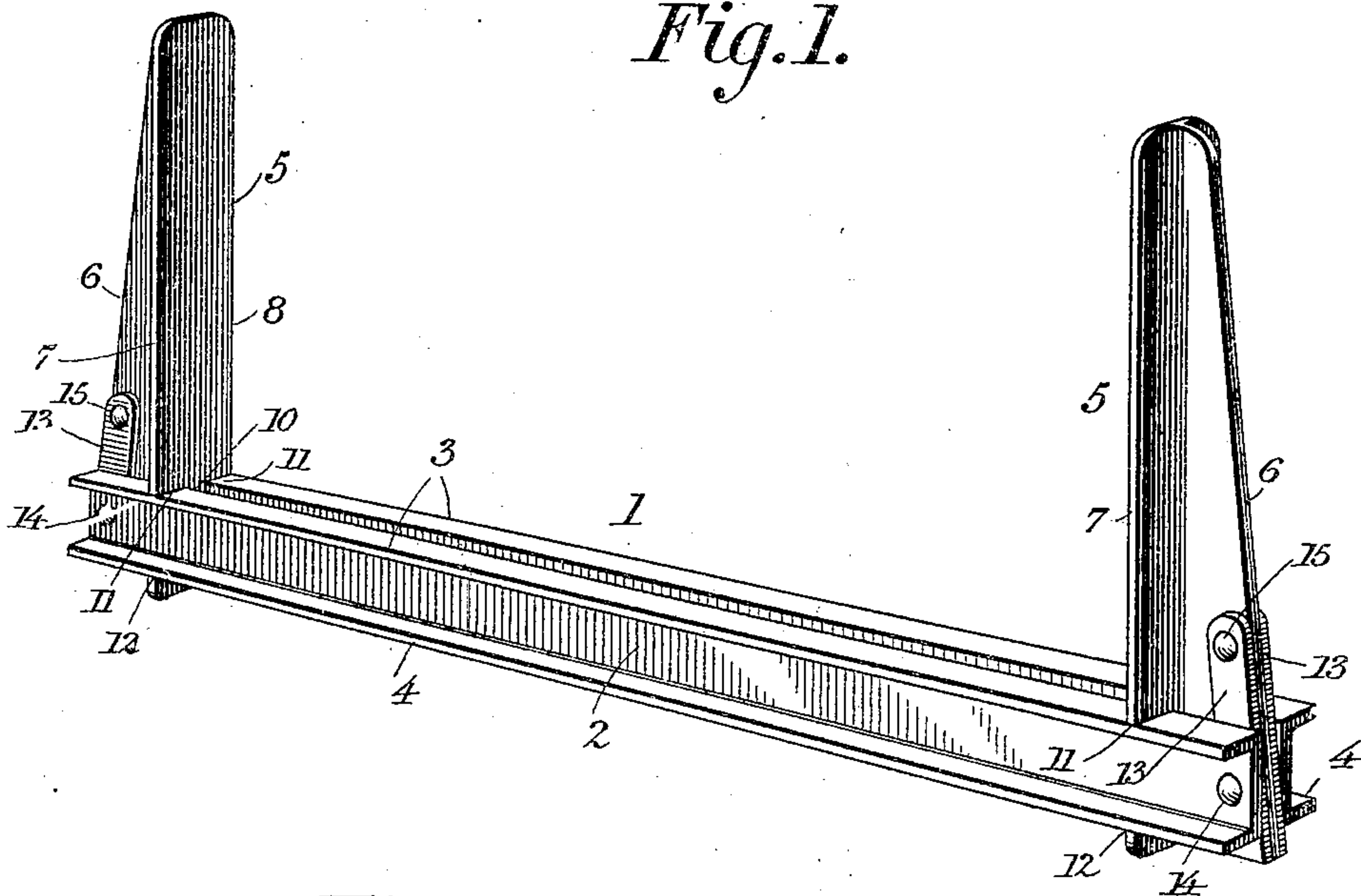


Fig. 2.

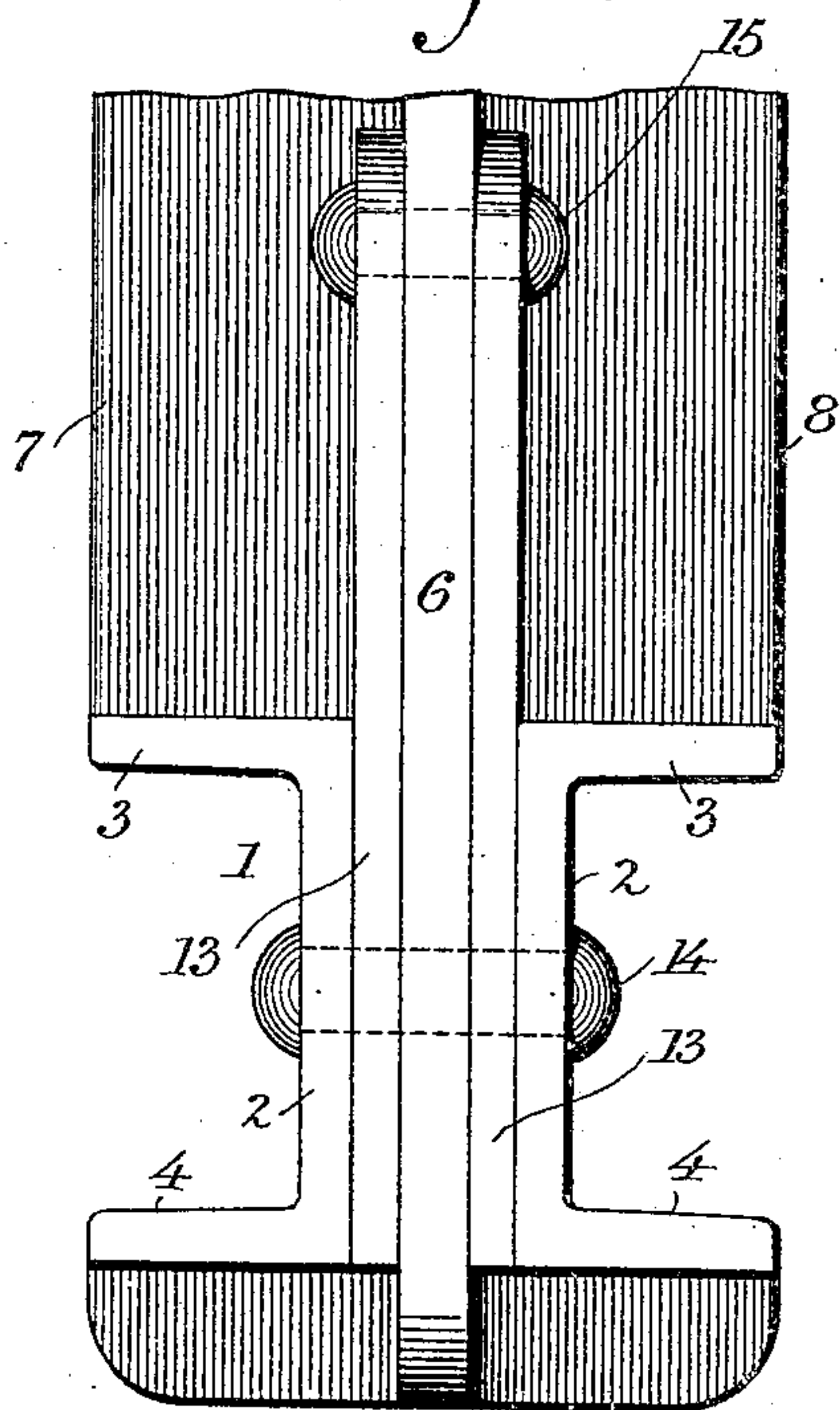
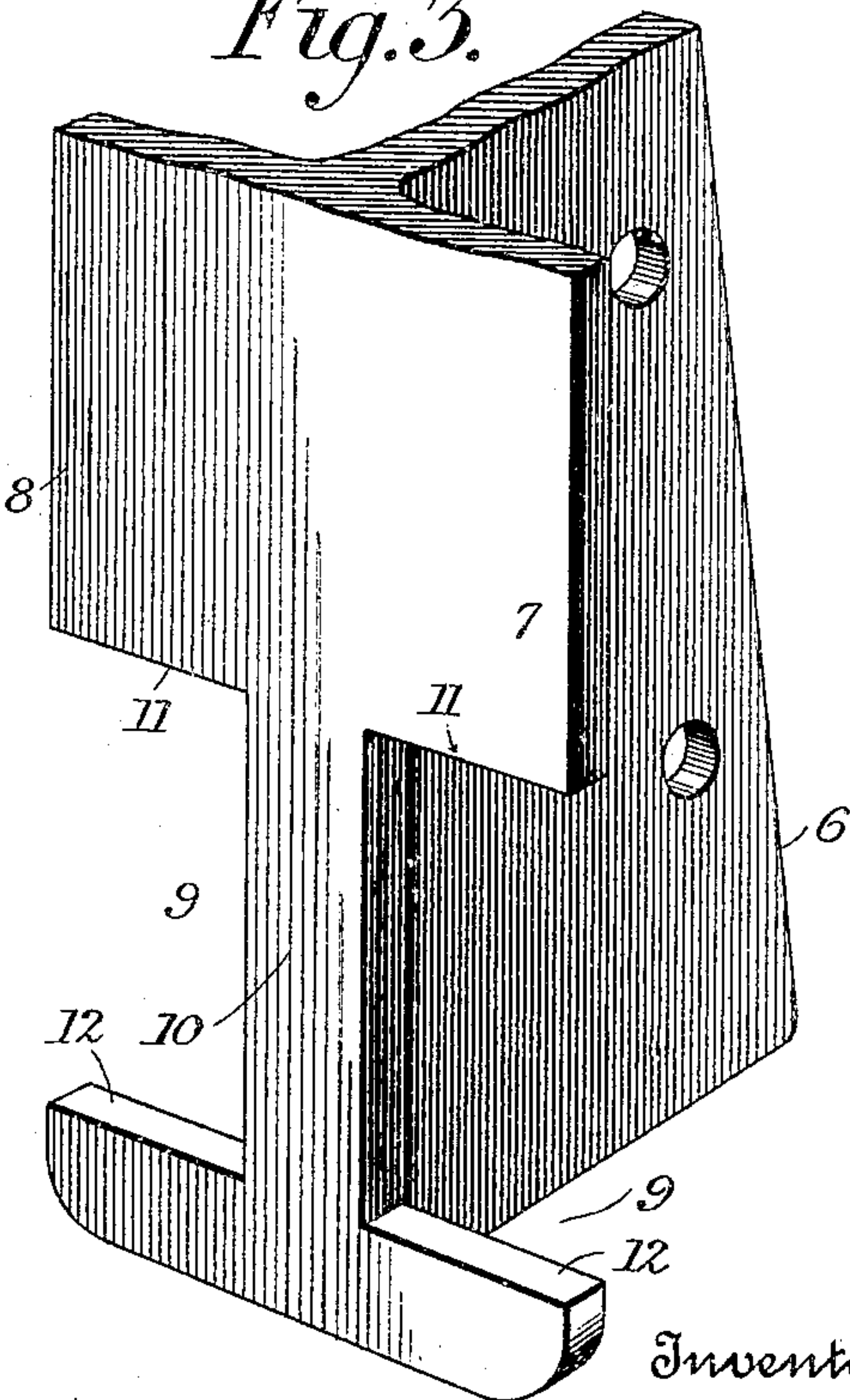


Fig. 3.



Witnesses
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WAGON BOLSTER AND STAKE CONSTRUCTION.

No. 814,436.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EMIL EINFELDT, of Davenport, county of Scott, and State of Iowa, have invented a new and useful Improvement in Wagon Bolster and Stake Construction, of which the following is a specification.

This invention relates to metal wagon-gear construction, and has reference more particularly to the form and construction of the stakes and bolster and the manner of connecting said parts in operative relations.

The invention consists in combining with a bolster in the form of two complementary members a stake fitting between said members and connected thereto in an improved manner, whereby the stake will be held firmly in an upright position.

In the accompanying drawings, Figure 1 is a perspective view of a bolster and stake constructed in accordance with my invention. Fig. 2 is an end elevation of the same. Fig. 3 is a perspective view of the stake removed.

Referring to the drawings, 1 represents a bolster consisting of two channel-bars having vertical web portions 2 arranged side by side, and upper and lower flanges 3 and 4 extending outwardly in opposite directions, the upper flanges forming conjointly a horizontal flat surface adapted to give support to the wagon-body.

5 represents stakes applied fixedly to the ends of the bolster and consisting each of a length of flanged bar having a central web 6 and oppositely-extending lateral flanges 7 and 8, the webs of the two stakes being disposed outwardly and the flanges inwardly and presenting vertical fore-and-aft bearing-surfaces between which the body of the wagon is confined. In order to adapt the stakes to be connected fixedly with the bolster in upright positions, I form in the oppositely-extending flanges, near their lower ends, open slots or recesses 9, leaving a central vertical tongue 10, forming a continuation of the web 6, which tongue and connecting-web extend between the vertical portions of the bolster members, with the upper walls 11 of the recesses bearing on the upper flanges 3 of said members and the lower walls 12 of the recesses bearing against the under sides of the lower flanges of the bolster members. The width of the tongue which extends between the two bolster members is greater

than that of the connected web, thus leaving spaces between the outer faces of the web and inner faces of the vertical portions of the bolster members. In these spaces are inserted filling straps or plates 13, extending upwardly along the outer sides of the web of the stake and terminating above the bolster. These straps are firmly fastened to the bolster members and stake-web by a rivet 14, extending through said parts, and they are also fastened to the bolster-web at a point above the bolster by a rivet 15. The effect of these straps applied and secured as shown is to give the stake a support on the bolster at a point outside of that afforded by the upper and lower walls of the recesses, so that any tendency of the stake to spread outwardly is effectively checked and the stake will be held firmly and rigidly in an upright position. By extending the straps upwardly and riveting them at their upper ends to the stake-web at a point above the bolster the stake will be braced and supported at a point a considerable distance above the bolster and will be enabled to better withstand any tendency to spread from side strains of the wagon-body.

Having thus described my invention, what I claim is—

1. In combination with a bolster formed of two members arranged side by side, a stake having a flat portion extending between said members, filling-plates connected with the flat portion of the stake on opposite sides and extending downwardly between the bolster members, and a fastening device connecting the members of the bolster with the filling-plates and flat portion of the stake.

2. In combination with a bolster comprising two members arranged side by side, a stake having a tongue extending between said members and provided with a web of less thickness than the tongue, said web forming a continuation of the tongue and extending between the bolster members, filling-plates applied to the opposite sides of the stake-web and extending between the bolster members, and a rivet passing through the bolster members, the filling-plates and stake-web.

3. In combination with a bolster comprising two complementary members having flat upper and lower sides, a stake comprising a web extending between the bolster members,

and lateral flanges provided with recesses in which the members of the bolster extend, and means for fastening the stake-web to the bolster members.

5 4. In combination with a bolster comprising two members arranged side by side, each with upper and lower horizontal flanges, a stake having a central web and oppositely-
10 extending flanges, the latter being formed near their lower ends with open recesses, and the said web extending between the bolster
members, with the upper and lower walls of the recesses bearing respectively against the
15 upper and lower flanges of the bolster members, and means for connecting the stake-web with the bolster members.

5. A metal stake adapted for application to a two-part bolster, said stake having a central web adapted to extend between the parts
20 of the bolster, and formed with oppositely-extending flanges having recesses forming upper and lower walls adapted to bear against the upper and lower sides respectively of the two-part bolster.

25 6. In combination with a bolster formed of two members arranged side by side, a stake having a flat portion, filling-plates connected with the flat portion of the stake on opposite sides and extending downwardly
30 between the bolster members, and a fastening device connecting said plates with the bolster members.

7. In combination with a bolster comprising two complementary members having flat upper sides, a stake provided with a web and
35 lateral flanges, the flanges being seated on the flat upper sides of the bolster members, and filling-plates fastened to the opposite sides of the web and extending downwardly between said bolster members and firmly se-
40 cured to the same.

8. In combination with a bolster comprising two complementary members spaced apart and having flat upper sides, a stake
45 formed with a central web and two oppositely-extending lateral flanges, said flanges being seated on the upper sides of the bolster members, filling-plates extending on opposite sides of the web and downwardly between the bolster members, a fastening device se-
50 curing said filling-plates to the web, and an intermediate plate extending between the filling-plates in a continuation of the plane of the stake-web, and a fastening device securing
55 the bolster members, the filling-plates and the intermediate plate firmly together.

In testimony whereof I hereunto set my hand, this 22d day of August, 1905, in the presence of two attesting witnesses.

EMIL EINFELDT.

Witnesses:

M. LOUISE DODGE,
ANDREW NEILSON.