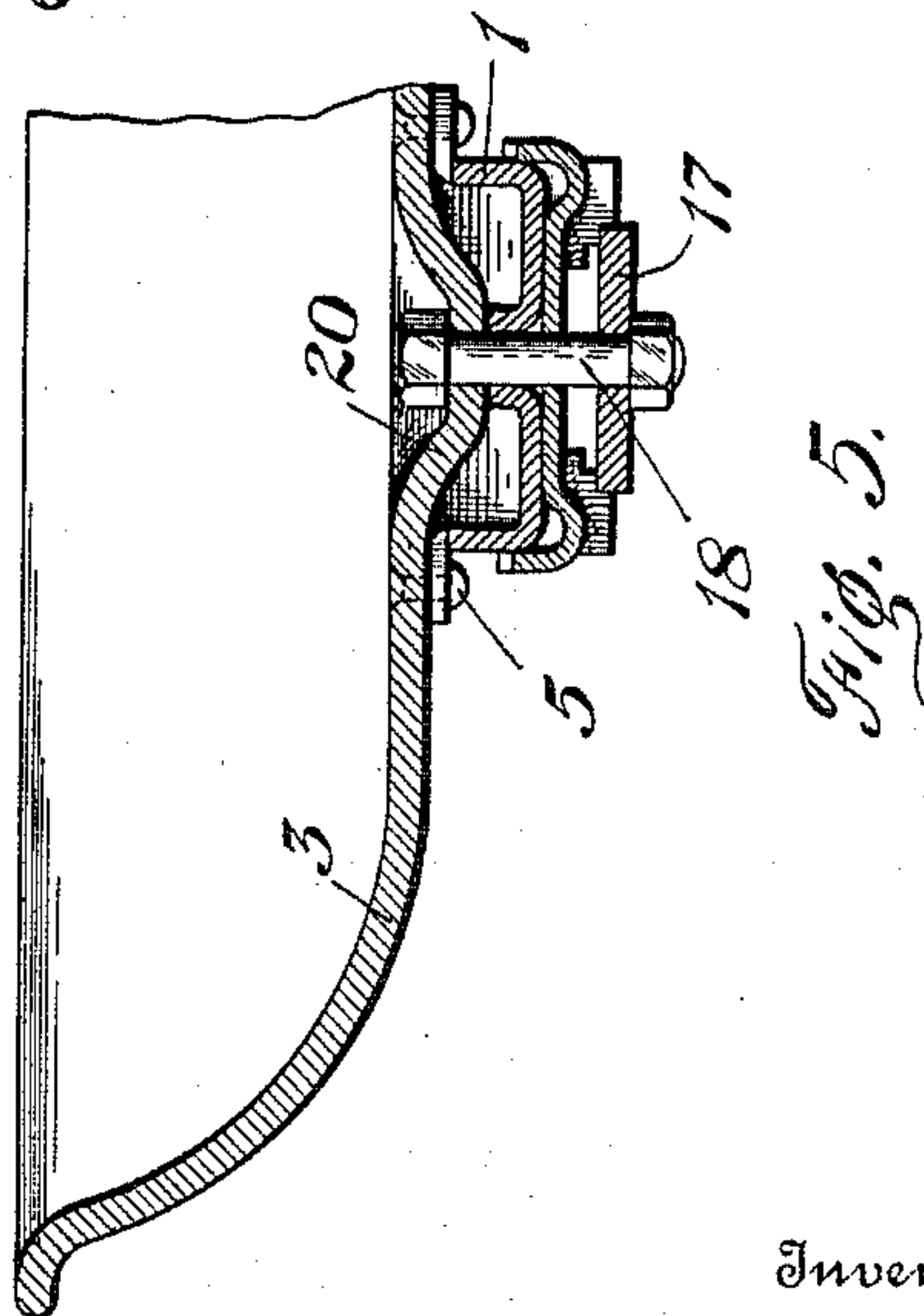
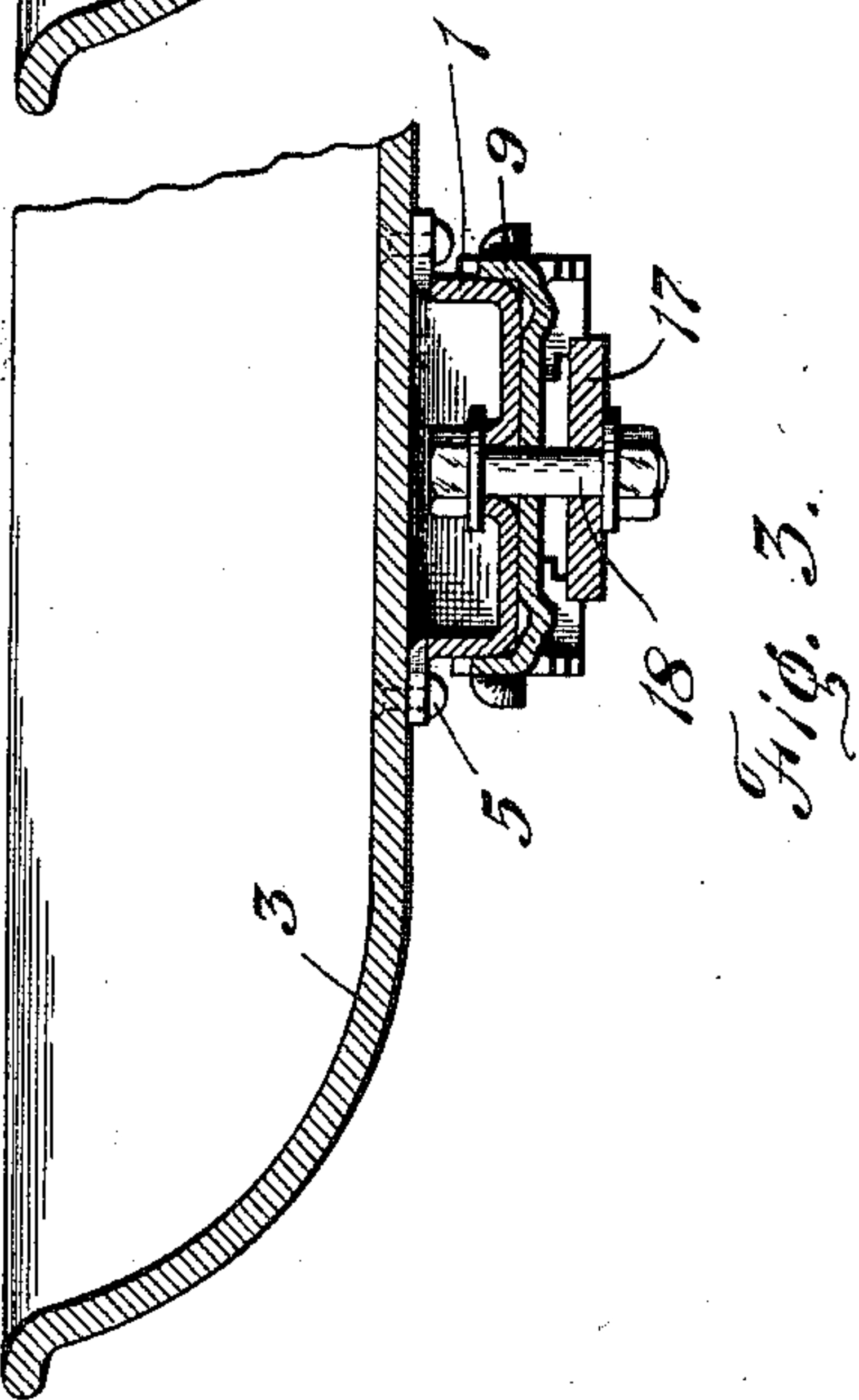
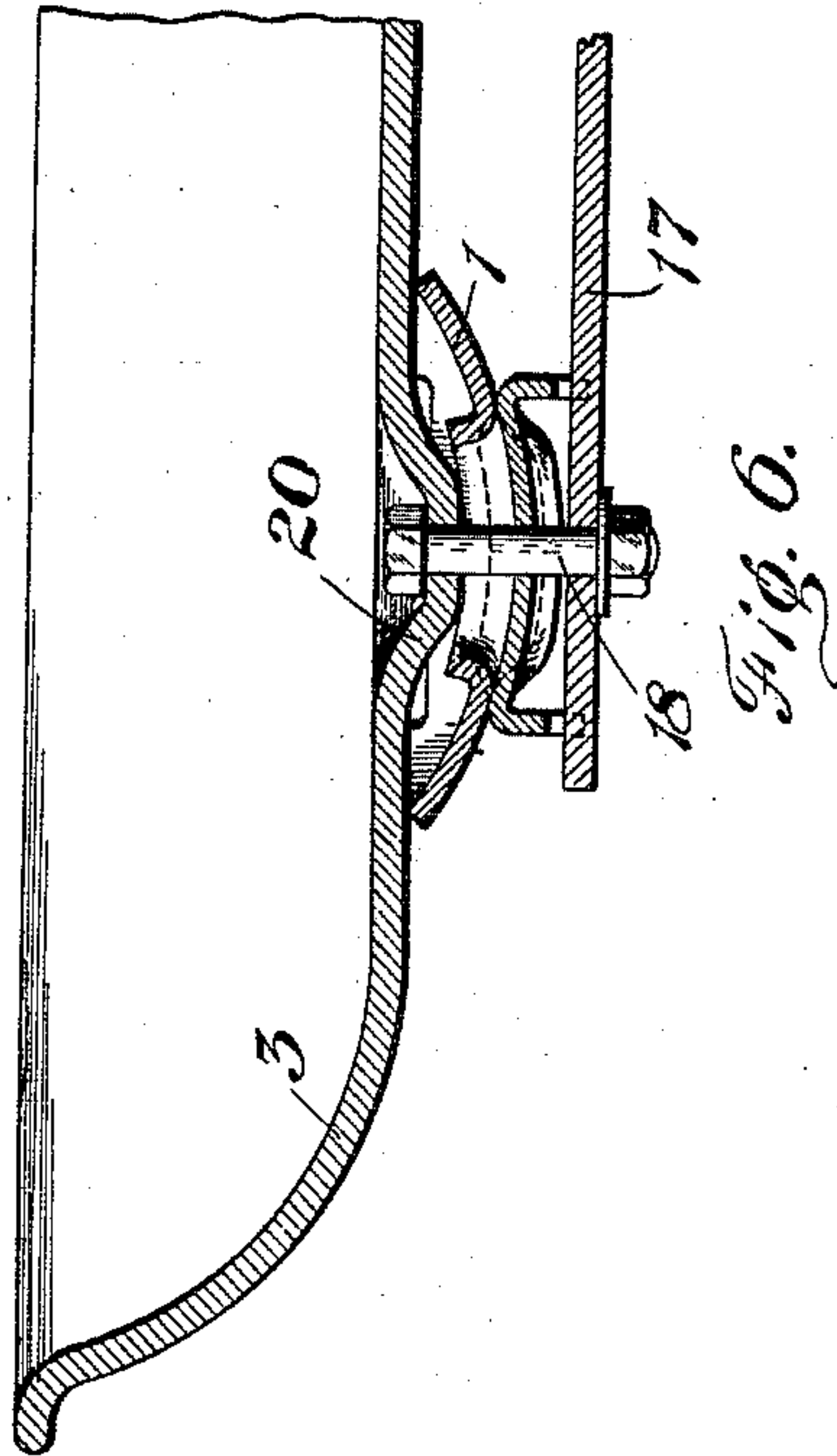
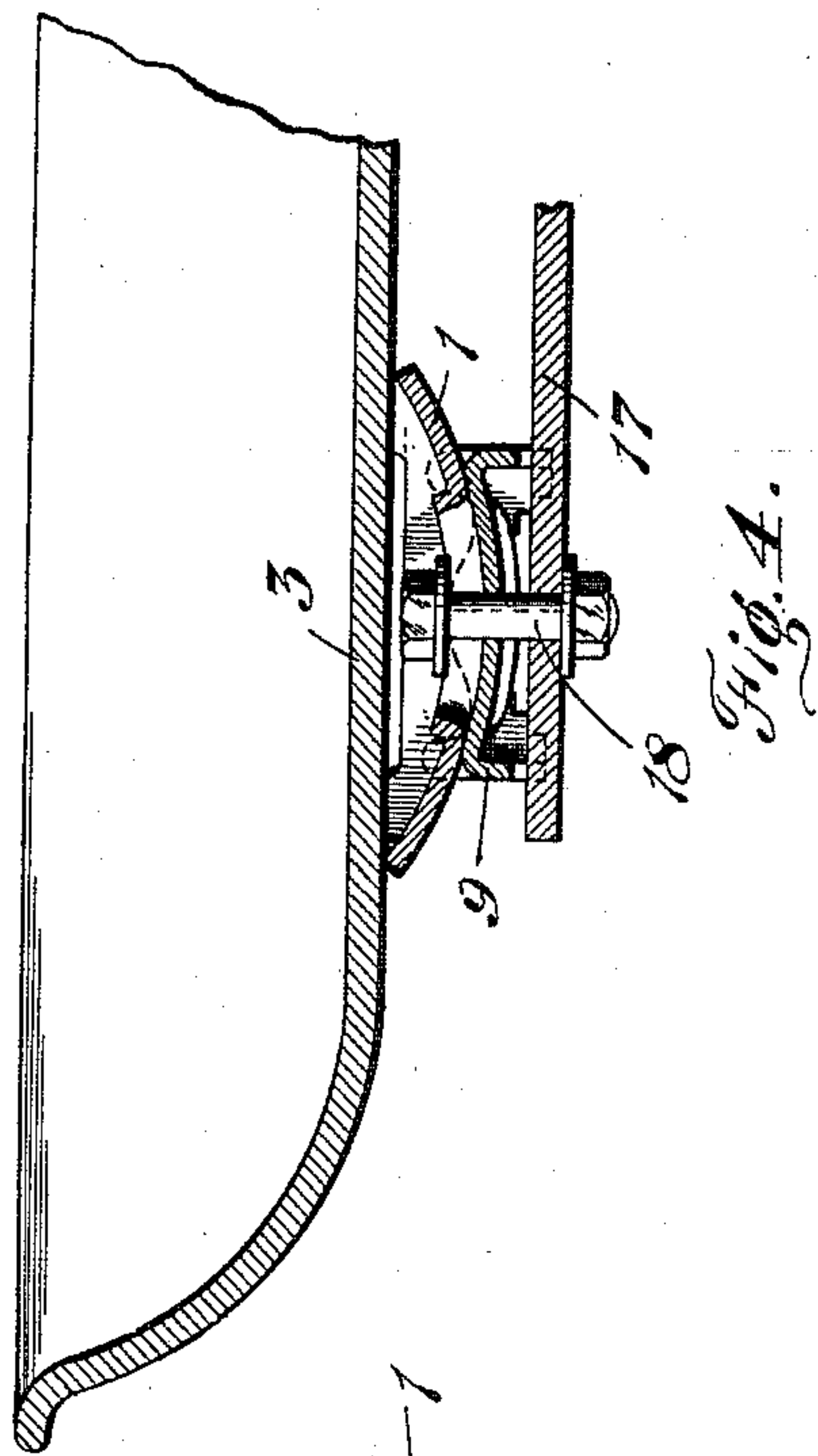


G. F. DANIELSON.
SEAT CLIP.
APPLICATION FILED MAR. 9, 1911.

995,059.

Patented June 13, 1911.

2 SHEETS—SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE.

GUSTAVE F. DANIELSON, OF YOUNGSTOWN, OHIO.

SEAT-CLIP.

995,059.

Specification of Letters Patent.

Patented June 13, 1911.

Application filed March 9, 1911. Serial No. 613,396.

To all whom it may concern:

Be it known that I, GUSTAVE F. DANIELSON, a citizen of the United States of America, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Seat-Clips, of which the following is a specification, reference being had therein to the accompanying drawings.

10 In mounting seats of the so-called saddle type, which are usually pressed out of sheet metal and are generally in use on agricultural machinery, it is desirable that the means for securing the seats allow adjustment of the latter to meet the requirements of the user. It is also preferable that while the clip or like part holding such a saddle to its support, be rigid, it also be light and be designed so as to be manufactured cheaply.

20 This invention relates to a saddle clip, and more especially to a design and arrangement thereof which permit free angular adjustment of the saddle on its support, and which insures rigidity combined with lightness, and cheapness of construction.

The invention consists in the matters hereinafter set forth, and more particularly pointed out in the appended claims.

30 In the drawings, Figure 1 is a view in perspective of a saddle plate member forming one part of a clip embodying features of the invention; Fig. 2 is a view in perspective of a rocker plate forming a companion piece to the saddle plate; Fig. 3 is a view in transverse section through a saddle seat secured to a spring bar or support by an assembled clip; Fig. 4 is a similar view in longitudinal section; Fig. 5 is a view in longitudinal section through a saddle seat, clip and support, showing a modified method of applying a securing bolt; Fig. 6 is a view in longitudinal section of the modified arrangement; Fig. 7 is a view in longitudinal section of a modification of the rocker plate; and Fig. 8 is a view in transverse section of the modification.

40 As herein indicated, a saddle plate 1 is formed up or pressed out of suitable material with a convex underside stiffened by the inturned margins which form flanges 2,

whose middle upper portions are cut away to conform to the bottom of a saddle seat 3 and whose end portions are outturned to form ears 4, rivets 5 or the like passing through apertures 6 therein and holding the plate to the saddle. An elongated slot 7 extends longitudinally of the plate which is inbent around the slot to form a flange 8.

60 A rocker plate 9 is formed of suitable material and is bent to conform to the underside of the saddle plate 1 when placed thereon, its side margins for the central portions of their lengths being up-bent to form central guides 10 adapted to embrace the saddle plate and prevent sidewise displacement. 65 The end portions of the rocker plate are down-turned to form end flanges 11, the extremities of the latter being inbent and secured by downwardly pressed overlapping parts 13 of the otherwise upright guide flanges 10. In the larger sizes of clips, the end portions of the guide flanges outside the overlaps 13 has ears 14, which aid the guides 10 in retaining the rocker in place on the saddle plate. Hollow bosses or ribs 15 are likewise formed along the plate adjacent the guide flanges as stiffening members. Notches 16 in stepped relation are formed in the bottom margins of the end flanges 11, both in the end and side portions, to act as seats for a bar 17, which forms the usual support for a saddle of this description, and which may lie either transversely to or longitudinally of the seat. A bolt 18 passing through the slot 7 and a central aperture 19 in the rocker plate, secures the clip with attached saddle to the bar 17, and by shifting the rocker plate, the angle or pitch of the saddle may be varied as desired.

90 Where it is desirable to use very light material, the saddle itself may be centrally apertured and depressed to form a boss 20 resting upon the flange 8 of the saddle plate, with the bolt 18 passing through the seat and relieving part of the strain on the saddle plate rivets, as indicated in Figs. 5 and 6.

100 Where it is not necessary to provide for a transversely disposed seat bar, the washer plate may have the form shown in Fig. 7 with uninterrupted guide flanges 21 and end flanges 22 notched as at 23 to accommodate

bars of different widths and stiffening ribs 24, but with no side notches.

By this construction a very light, durable and easily made clip is obtained which holds 5 the seat saddle, rigidly in adjusted position, and does not work loose, a single bolt clamping the parts together.

Obviously, changes in the details of construction may be made without departing 10 from the spirit of the invention and I do not care to limit myself to any particular form or arrangement of parts.

What I claim is:—

1. A saddle clip comprising a longitudinally slotted saddle plate having a convex 15 under side and lateral flanges adapted to be secured against the under side of the saddle seat, a rocker plate having an apertured body conforming to the under side of the saddle plate with marginal portions adapted 20 to embrace the flanged sides of the saddle plate, the end portions of the rocker plate being down-turned and notched to receive a seat bar, and a bolt passing through the aperture in the rocker plate and the longitudinal slot in the saddle plate. 25

2. A saddle clip comprising a saddle plate having a convex under side and upturned lateral margins forming flanges adapted to 30 be secured against the bottom of a saddle seat, a rocker plate bent between its ends to conform to the under side of the saddle plate, guides formed on the side margins of the rocker plate to embrace the saddle plate, 35 down-turned flanges on the rocker plate having lower margins adapted to receive a seat bar, the saddle plate being provided with a longitudinal slot with up-turned margins and the rocker plate having a central aperture arranged to register with a slot, and a 40 bolt adapted to engage the aperture and slots in said plates.

3. A saddle clip comprising a sheet metal saddle plate bent between its ends forming 45 a convex under face with the lateral margins up-turned as flanges whose end portions are out-bent to form ears adapted to bear against the under side of the saddle seat, a sheet metal rocker plate bent longitudinally to conform to the saddle plate under 50 face with its side margins bent upwardly to embrace the side flanges of the saddle plate as guides, the end margins of the rocker plate being down-bent and arranged to receive a seat bar, the saddle plate being provided with a longitudinal slot with up-turned margin and the rocker plate having a central aperture arranged to register with the slot and a bolt passing through the 60 central aperture in the rocker plate and longitudinal slot in the saddle plate.

4. A saddle clip comprising a sheet metal

saddle plate bent between its ends to form a convex under side with up-turned marginal flanges whose end portions are out-bent to 65 form ears adapted to be secured against the under side of a seat, a longitudinal slot being formed in the body of the saddle plate with up-turned margin, a sheet metal rocker plate bent to conform to the under face of 70 the saddle plate with down-turned end margins whose end portions are in-bent to extend longitudinally of the rocker plate and are notched to receive a saddle bar, said margins bent upwardly from the rocker 75 plate as guides embracing the saddle plate, the portions of said margins over the in-bent end portions of said down-turned end margins being pressed over said end portions, the saddle plate being provided with a longitudinal slot with up-turned margin and 80 the rocker plate having a central aperture arranged to register with the slot and a bolt passing through a central aperture in the rocker plate and the saddle plate slot. 85

5. A saddle clip comprising a sheet metal saddle plate bent between its ends to form a convex under side with up-turned marginal flanges whose end portions are out-bent to form ears adapted to be secured 90 against the under side of a seat, a sheet metal rocker plate bent to conform to the under face of the saddle plate with down-turned end margins whose end portions are in-bent to extend longitudinally of the 95 rocker plate and are notched to receive the saddle bar, side margins bent upwardly from the rocker plate as guides embracing the saddle plate, the portion of said margins over the in-bent end portions of said down-turned end margins being pressed over said 100 margins, longitudinal stiffening ribs formed in the body of the rocker plate, the saddle plate being provided with a longitudinal slot with up-turned margin and the rocker 105 plate having a central aperture arranged to register with the slot and a bolt passing through said central aperture in the rocker plate and a saddle plate slot.

6. The combination with a metal seat of 110 a sheet metal saddle plate bent between its ends to form a convex cylindrical under side with up-turned lateral margins having out-turned end portions, fastening means passing through apertures of said end portions 115 in the saddle seat, a sheet metal rocker plate bent between its ends to conform to the under face of the saddle plate and provided with down-turned end flanges with extended in-turned end portions transverse to the 120 bodies of said margin, the lower margins of said end flanges being adapted to rest on a side bar passing longitudinally or transversely beneath the plate, up-turned side

margins on the rocker plate adapted to embrace the lateral margins of the saddle plate as guides and down-bent over the inbent end portions of said inturned end portions, 5 longitudinal stiffening ribs formed in the rocker plate adjacent the end margins, the saddle plate being provided with a longitudinal slot and the rocker plate having a central aperture arranged to register with

the slot, and a retaining bolt passing 10 through said aperture and slot.

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

GUSTAVE F. DANIELSON.

Witnesses:

OTTO F. BARTHEL,
ANNA C. RAVILER.

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