G. F. DANIELSON.

SEAT.

APPLICATION FILED SEPT. 28, 1912.

1,145,567. Patented July 6, 1915.

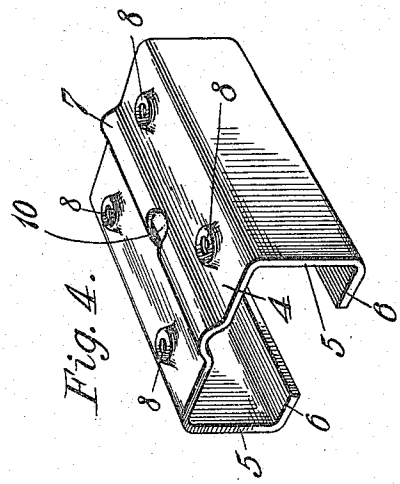


Fig. 4.

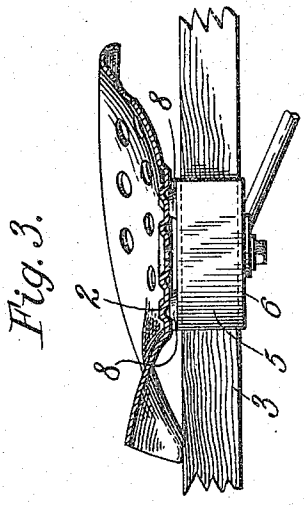


Fig. 3.

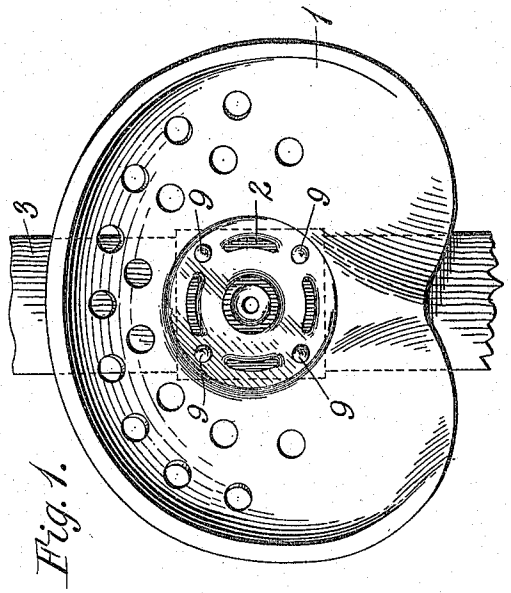


Fig. 1.

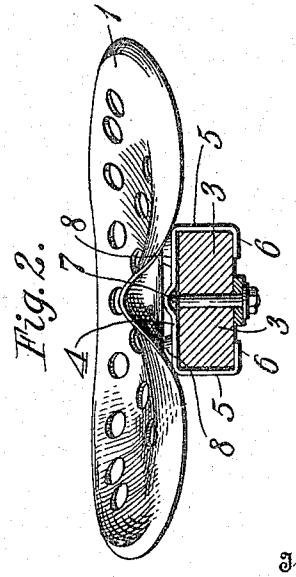


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

GUSTAVE F. DANIELSON, OF YOUNGSTOWN, OHIO.

SEAT.

1,145,567. Specification of Letters Patent. Patented July 6, 1915.

Application filed September 28, 1912. Serial No. 722,790.

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 Seats, of which the following is a specification, reference being had therein to the accompanying drawings.

In the application of seats to agricultural machines it is frequently desirable that the seat be freely adjustable back and forth on its support so that the rider may get the necessary balance to the machine, especially if the latter be of the sulky type.

This invention relates to a sliding seat attachment whereby a seat may be applied to an agricultural field machine in such a way as to be freely adjustable longitudinally of the bar on which it is placed, the invention also including features of construction whereby great strength and lightness is obtained together with simplicity of manufacture.

The invention consists in the matters hereinafter set forth and pointed out in the appended claim.

In the drawings, Figure 1 is a plan view of a seat and attachment that embody features of the invention; Fig. 2 is a view in front elevation showing the attachment; Fig. 3 is a view part in elevation and part in section showing the attachment applied to a support; Fig. 4 is a view in detail of the attachment.

As herein shown a seat body 1 is formed of sheet metal, formed or pressed up in the usual way and with a substantially plane central portion surrounded by an interrupted rib 2 that slightly stiffens the metal.

A sheet metal plate is bent between its ends transversely to conform to and embrace a bar 3 of the machine for which the seat is adapted. As herein shown this bar is rectangular in section and accordingly the plate is formed of a central portion 4 bearing on the upper face of the bar, and depending flanges 5 with inturned marginal portions 6 that embrace and hold the plate and bar together. Preferably the body of the plate is provided with a longitudinally disposed stiffening rib 7. At regular intervals bosses 8 are struck up from the portion 4 of the plate to form bearings against the bottom of the seat and rivets 9 are passed through apertures in the bosses and in the seat and headed down to hold the parts together. The bosses form pockets which enable the rivets to be upset in such manner as to leave the bearing surface of the attachment smooth so that it is free to slide readily back and forth on the bar which it embraces. If desired, a central aperture 10 may be provided for dropping a pin through into a mating aperture in the bar to hold the seat in one position.

As a result of this construction a seat and attachment is obtained which is freely movable upon the bar which forms a seat support and at the same time is so secured that it has no free lateral movement, the flanges of the attachment yieldingly embracing the bar and forming in effect a spring clip which does not allow chatter or vibration between the parts.

The construction is easy to manufacture and is particularly effective for field machinery.

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

What I claim is:—

The combination of a seat bar with a sheet metal formed seat body having a central supporting bearing face and a supporting clip consisting of a sheet metal plate provided with an outwardly pressed longitudinal stiffening rib and said plate bent transversely between its ends to form depending flanges with inturned marginal portions that yieldingly embrace the seat bar and are free to slide longitudinally thereof, upwardly extending bosses on the plate contiguous to the bearing surface of the seat, and means passing through the seat and bosses and permanently clamping the plate and seat together, those portions of the holding means extending through the seat being housed within the bosses and above the plane of the bearing surface of the plate on the seat bar.

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

GUSTAVE F. DANIELSON.

Witnesses:

CLARA C. RADCLIFFE,

L. E. DANIELSON.

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