

(No Model.)

A. C. EVANS.
SEAT BAR FOR VEHICLES.

No. 282,181.

Patented July 31, 1883.

Fig. 1.

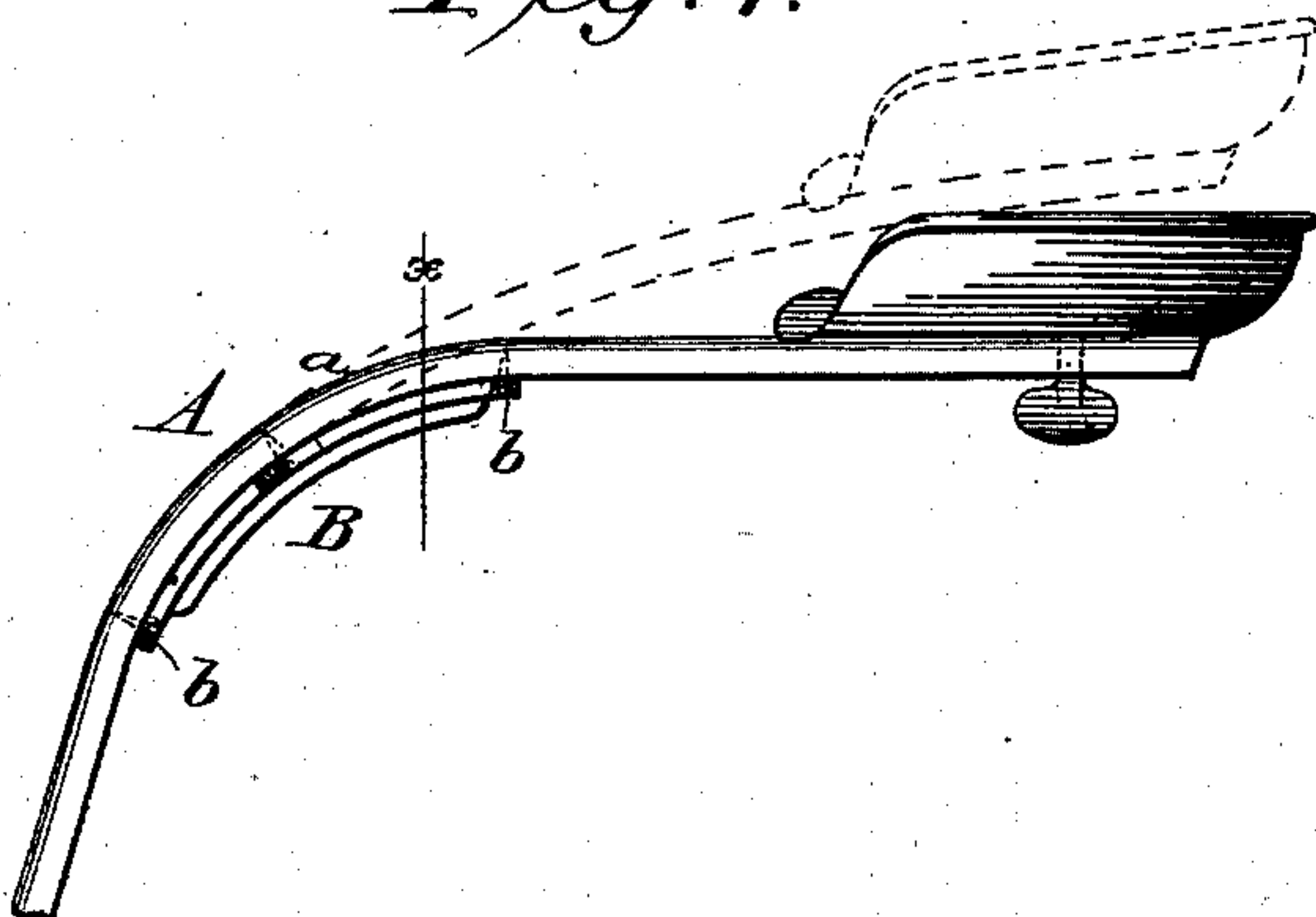


Fig. 2.

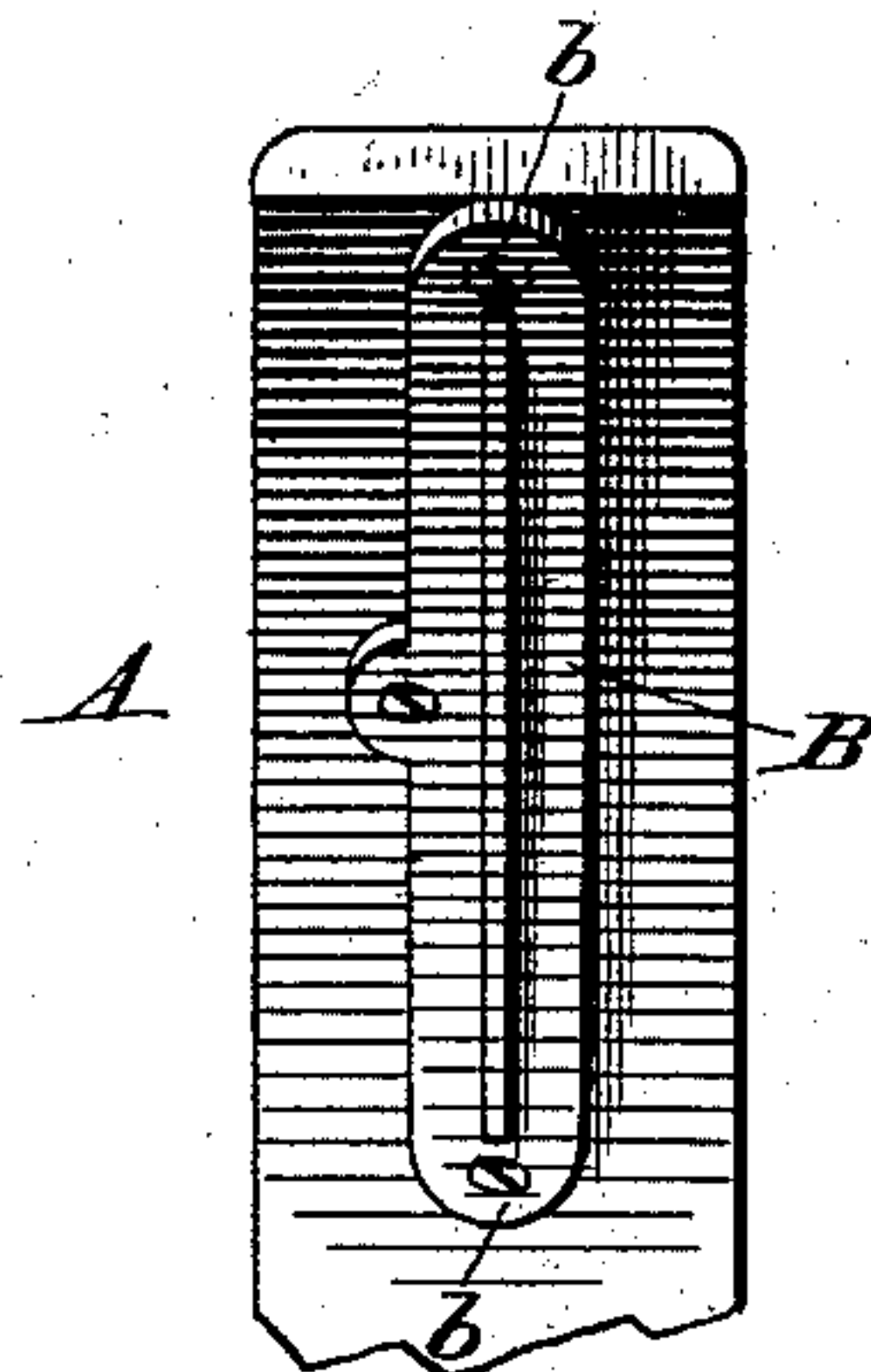


Fig. 3.

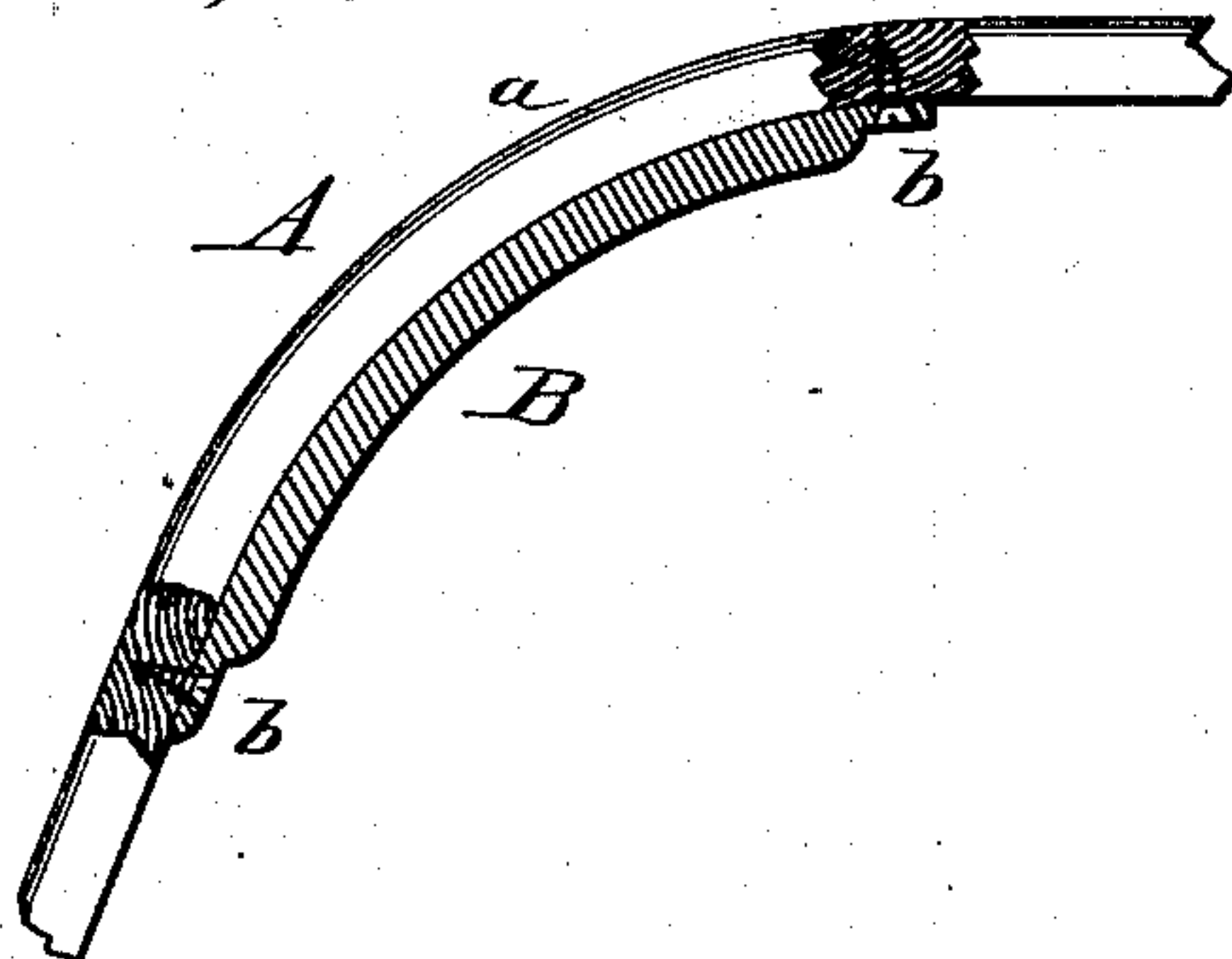
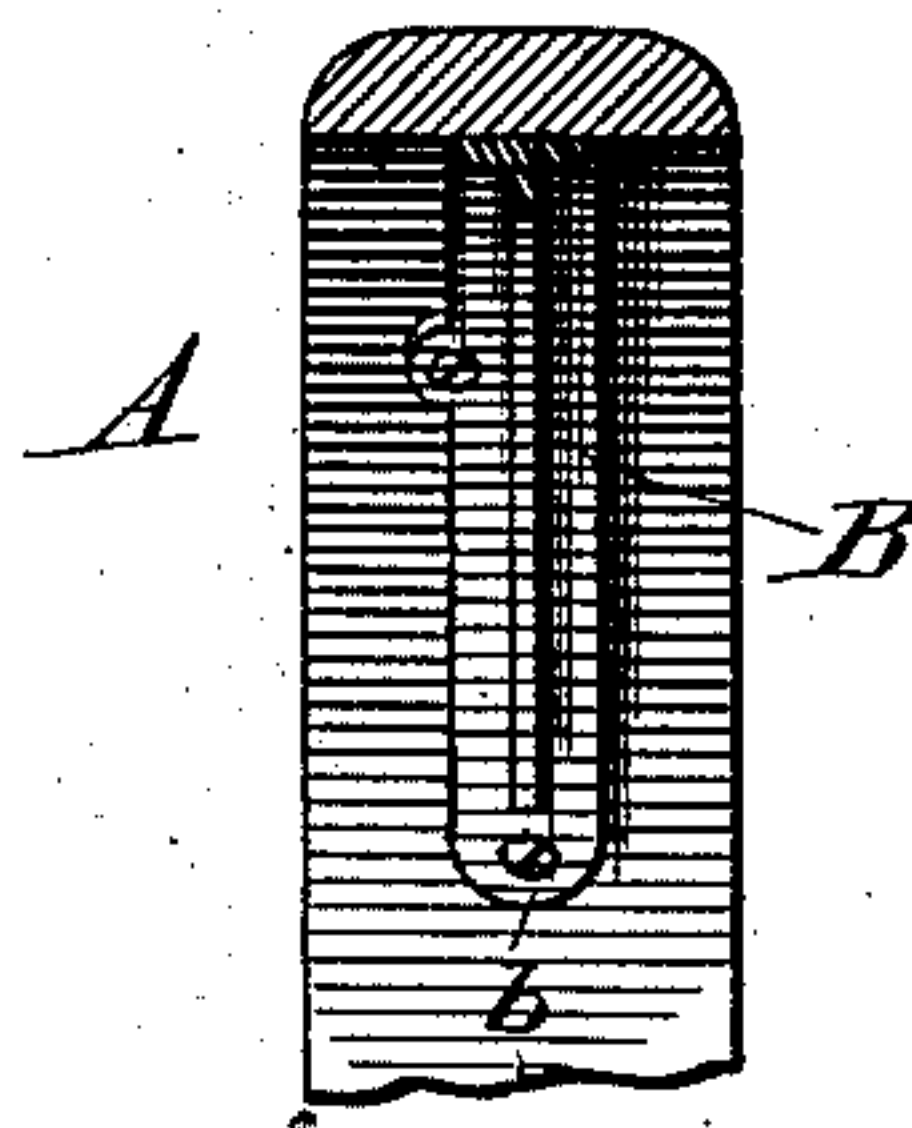


Fig. 4.



Attest:
A. M. Long.
M. J. Harbeck.

Inventor.
Austin C. Evans
By B. C. Commerce
Atty.

UNITED STATES PATENT OFFICE.

AUSTIN C. EVANS, OF SPRINGFIELD, OHIO.

SEAT-BAR FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 282,181, dated July 31, 1883.

Application filed June 20, 1883. (No model.)

To all whom it may concern:

Be it known that I, AUSTIN C. EVANS, a citizen of the United States, residing at Springfield, in the county of Clarke and State of Ohio, have invented certain new and useful Improvements in Seat-Bars for Vehicles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in seat-bars for vehicles.

My invention applies more particularly to bent wooden seat-bars used for implements upon wheels to support the driver's seat, although it can be applied to other vehicles.

My invention consists in the application, to a steam-bent wooden bar, of a rigid, inflexible rib or tie-bar, the object of which is to prevent the seat-bar from straightening from exposure to atmospheric influences.

This invention should not be construed with re-enforcing or strengthening bars, as the object of it is for an entirely different purpose.

Heretofore in steam-bent wooden seat-bars, as used for agricultural implements, much trouble has been experienced from their becoming straightened wholly or partially by weather exposure, thereby changing the position of the seat, so that the driver is unable to use it. To obviate this I employ a short rib or tie-bar, of cast-iron or equivalent inflexible material, extending along the angle or curve of the seat-bar and attached thereto, as will be hereinafter described.

Figure 1 is a side elevation of a seat-bar having my improvements applied thereto. Fig. 2 is a rear view of the same without the seat. Fig. 3 is a side elevation of the seat-bar, with a vertical longitudinal section of the tie-bar or retaining-rib. Fig. 4 is a cross-section of the seat-bar and retaining-rib through line *x*, Fig. 1. The dotted lines in this figure show the position assumed by the seat-bar,

after being exposed to the weather, when used without the retaining-rib or tie-bar.

A is the seat-bar; B, the retaining-rib or tie-bar attached thereto, which in the views presented is shown as attached to the under side of the seat-bar. It may, however, be used upon either or both sides or upon the edges of the curved part of the seat-bar. The tie-bar B extends longitudinally along the surface of the curved angle or bend *a*, and is fastened by the screws *b b* through the ends, and they can also be used through lugs on one or both sides. The wooden seat-bar is similar in its form to that used to support the driver's seat in a two-horse corn-planter. It is bent until the two limbs *c* and *c'*, on either side of the curved angle *a*, are in nearly or quite right-angled planes with respect to each other, making the bend in the center of the stick so abrupt as to keep the fibers of the wood under a constant strain in preserving its shape, only a short exposure to the weather being required to cause the wooden bar to partially or wholly recover its original form from the elasticity of its fibers.

The bar B can be made in any desired form in cross-section. The one here shown is of T shape, to give the most stiffness without waste of material. It is short, merely extending to the ends of curve *a* on the inside, and its ends are securely fastened to that part of limbs *c* and *c'* next to the curve or bend on the inside of the same.

I claim as my invention—

The combination, with the wooden seat-bar having the short bend or curve, of the rigid metal tie-bar extending longitudinally along the curve of said seat-bar, and having its ends secured to that part adjacent to said curve, for the purpose of preventing said seat-bar from straightening under atmospheric influences.

AUSTIN C. EVANS.

Attest:

CHAS. R. WHITE,
HENRY GRIFFITH.