

No. 670,709.

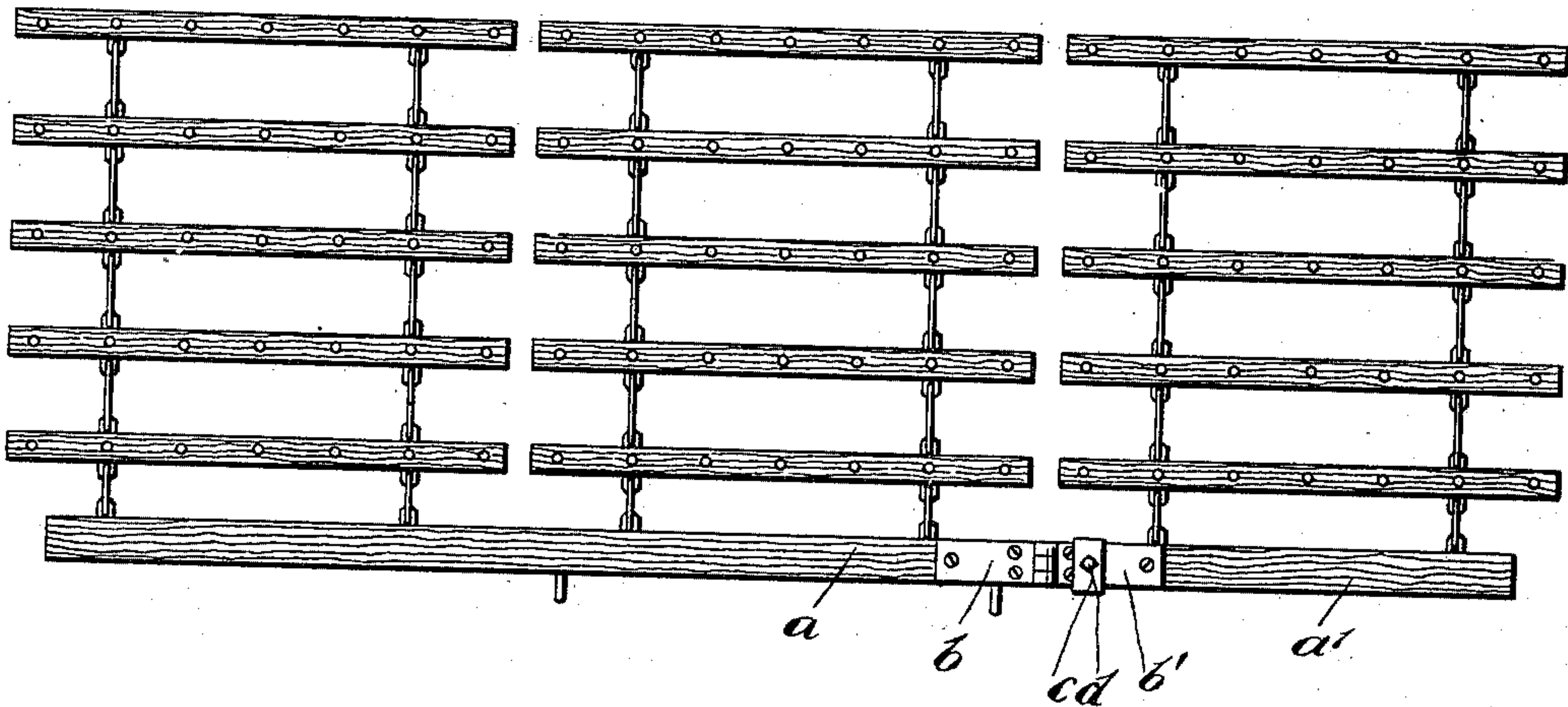
J. B. GEBHARDT.  
HARROW.

Patented Mar. 26, 1901.

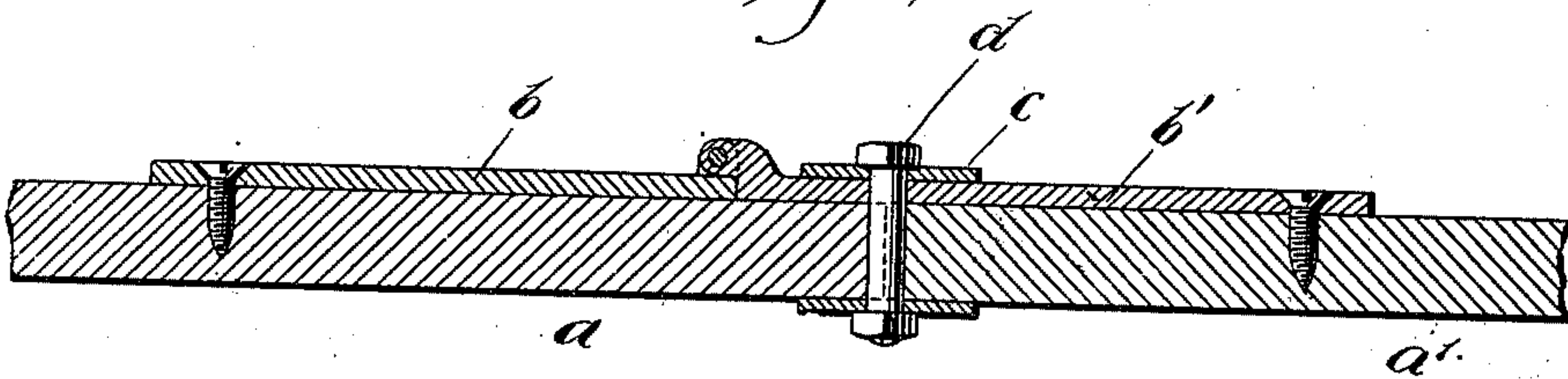
(Application filed Oct. 27, 1900.)

(No Model.)

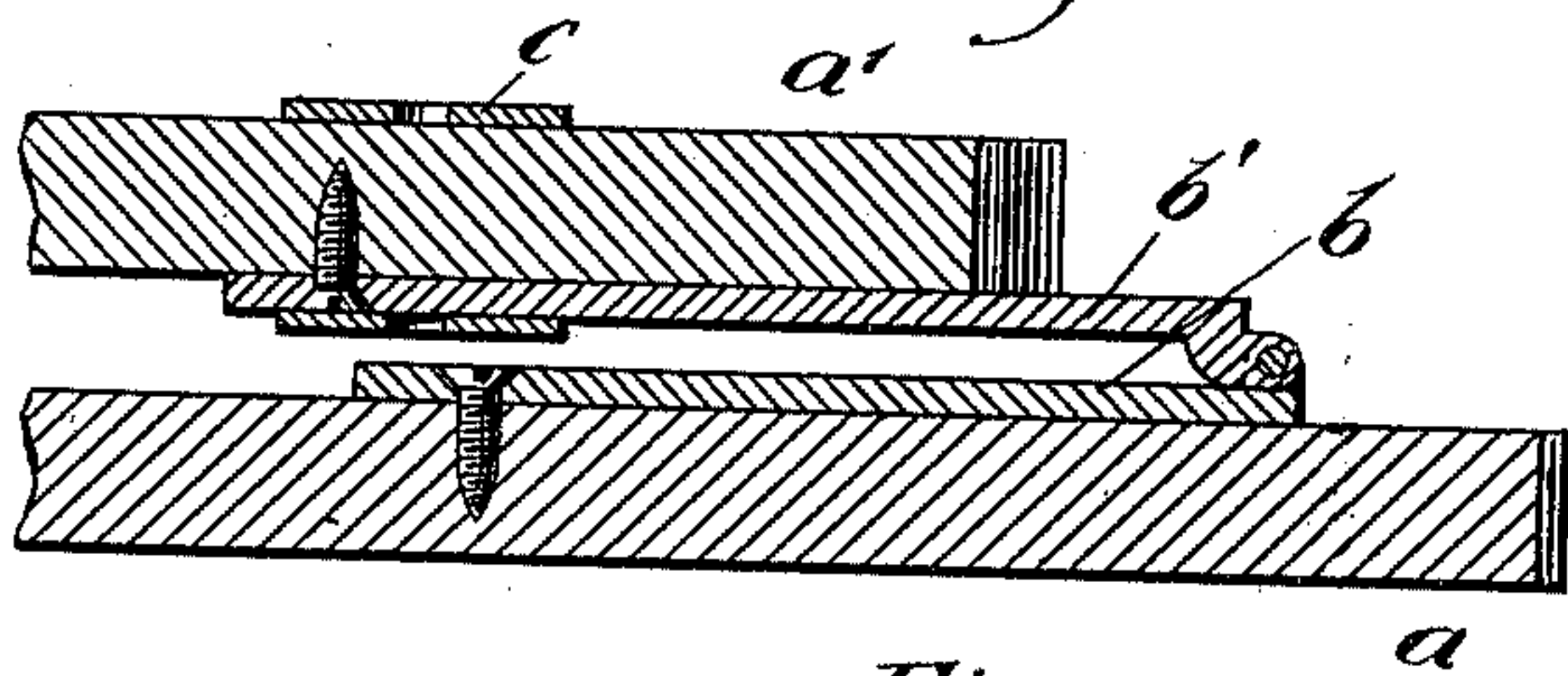
*Fig. 1.*



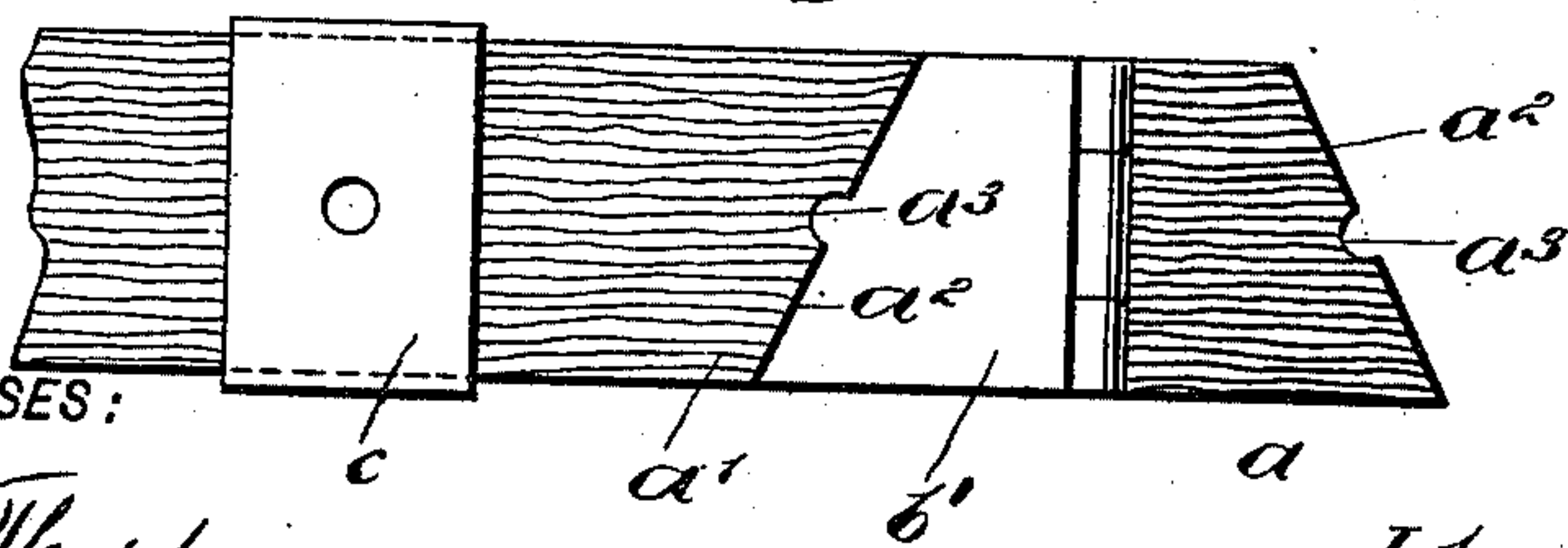
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN BOB GEBHARDT, OF PETERSBURG, IOWA.

## HARROW.

SPECIFICATION forming part of Letters Patent No. 670,709, dated March 26, 1901.

Application filed October 27, 1900. Serial No. 34,652. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN BOB GEBHARDT, a citizen of the United States, and a resident of Petersburg, in the county of Delaware and State of Iowa, have invented a new and Improved Harrow, of which the following is a full, clear, and exact description.

The purpose of this invention is to provide a hinge for connecting sections of a harrow so that the sections may be extended rigidly or folded one on the other to reduce the size of the harrow when desired.

This specification is a specific description of one form of the invention, while the claim is a definition of the actual scope thereof.

Reference is to be had to 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 a plan view of the invention. Fig. 2 is an enlarged longitudinal section of the hinge. Fig. 3 is an enlarged section showing the hinge in open position, and Fig. 4 is an enlarged plan view of the parts arranged as in Fig. 3.

As shown in Fig. 1, the harrow is formed in two sections, *a* representing the section of the draw-bar connected with the main part of the harrow, and *a'* representing the section of the draw-bar connected with the smaller section of the harrow. The sections *a* and *a'* of the draw-bar have diagonally-disposed meeting edges *a<sup>2</sup>*, and to the sections *a* and *a'* are respectively attached the sections *b* and *b'* of the hinge which connects the two parts together. These sections *b* and *b'* are rigidly fastened to the sections of the draw-

bar, and the pintle of the hinge is located at one side of the joint between the sections *a* and *a'*, so that the section *a'* may fold over on top of the section *a*, as shown in Figs. 3 and 4. For the purpose of holding the two sections of the draw-bar rigidly extended I provide a sleeve *c*, which slides over the hinge-section *b'* and the draw-bar section *a'* and which is held removably in place by a bolt *d*, which is passed through openings in the sleeve *c* and through matching recesses *a<sup>3</sup>*, formed in the edges *a<sup>2</sup>* of the draw-bar sections. When this sleeve *c* is in place, the sections of the draw-bar are held rigid and the harrow cannot be folded until the bolt *d* is removed and the sleeve *c* is carried to the position, as shown in Figs. 3 and 4.

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

A harrow, having a draw-bar formed in two sections, a hinge connecting the sections, the pintle of the hinge being located at one side of the meeting edges of the draw-bar sections, a sleeve arranged to slide on the draw-bar to encircle the same at the joint between the meeting edges so as to hold the sections rigid, and a pin or bolt passing through the sleeve and between the draw-bar sections at the meeting edges thereof.

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

JOHN BOB GEBHARDT.

Witnesses:

ALBERT KLEINPEL,  
W. E. LOCHRIDGE.