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J. PERKINS.

Cotton Gin.

Patented June 14, 1834.

Fig. 1.

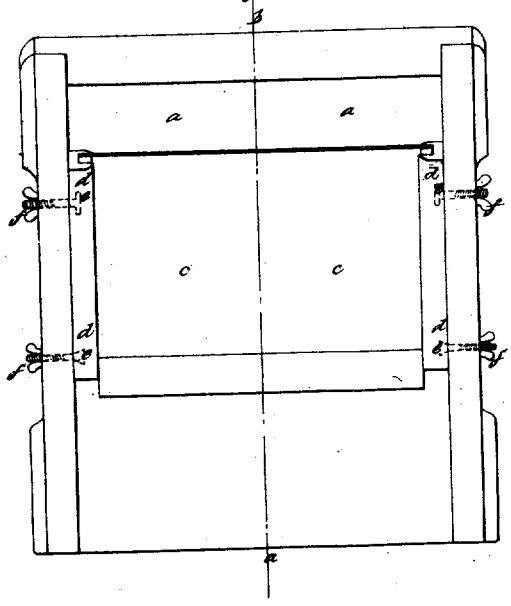


Fig. 4.

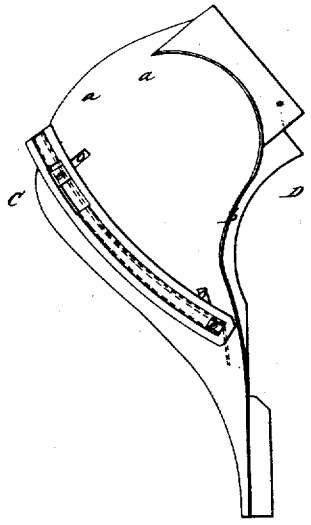


Fig. 2.

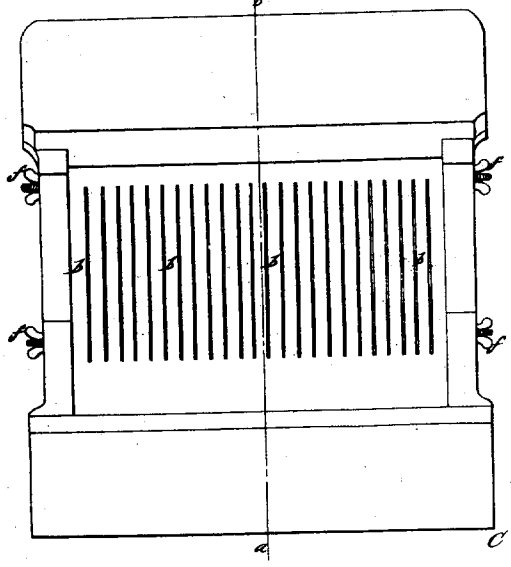


Fig. 5

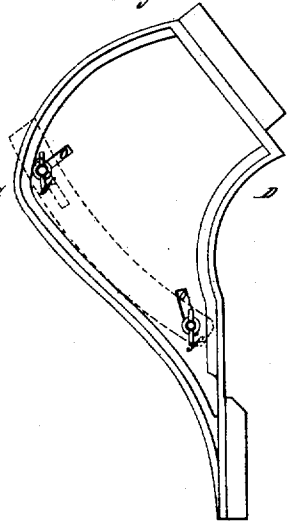


Fig. 6.



Section

Fig. 3.



THE, MORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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Jacob Perkins

Letters Patent

June 14, 1834

The Schedule referred to in these Letters Patent (and making part of the same) containing a description in the words of the said Jacob Perkins himself of his improvement in the Cotton Gin

To all to whom these presents shall come: Be it known that I, Jacob Perkins of Bridgewater, in the county of Plymouth, and State of Massachusetts, have invented a new & useful improvement in the Cotton Gin, consisting of a moveable grate either straight or curved to which the seed board is attached, and that the following is a full and exact description of the construction and operation of the said machine as invented or improved by me.

In a frame to be made of such size and dimensions as will suit it to the Gin, in which it is to be used, are attached two cast iron heads, one at each end, in order to support and adjust the movement of the seed board. These heads are made of iron or other metal in order to prevent the expansion and contraction so considerable in wood. In each head at the end further from the feeding opening is a slot or slit, opening in the direction intended to be given to the seed boards at the upper end from that, or that nearest the

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feeding opening is another slot formed nearly at right angles with the first one, thereby allowing a sideling motion to the said boards. Through these slots work thumb screw bolts, the head of the lower one to be sunked in the annulle groove extending upwards to the other slot, where the bolt passes through it, and works in a slot in said groove groves thereby allowing it to rise or fall at pleasure. These moveable groves are to be made either straight or curved at pleasure The groves are to be made of iron or other metal and to be of proper dimensions to slide upon the head or heads above mentioned, where by the movement previously provided for in the arrangement of the heads, they may be raised or depressed, or drawn up, or down as may best suit the situation required

These groves are attached to grate fall heads, and are then ready for operation

My claim is for the above described groove or groves made moveable, attached to the requisite apparatus or arrangement.

In witness that the foregoing is a true specification of my improvement as invented by me, I have hereunto set my hand this twenty sixth day of May in the year eighteen hundred & thirty four

Jacob Perkins

Witnesses
Aaron Hobart
Nathan Sazell

(450 words)

(Patented the 14th day of June 1834)