

M. A. FURBUSH.

Feed-Guides for Carding-Machines.

No. 150,856.

Patented May 12, 1874.

Fig. 1.

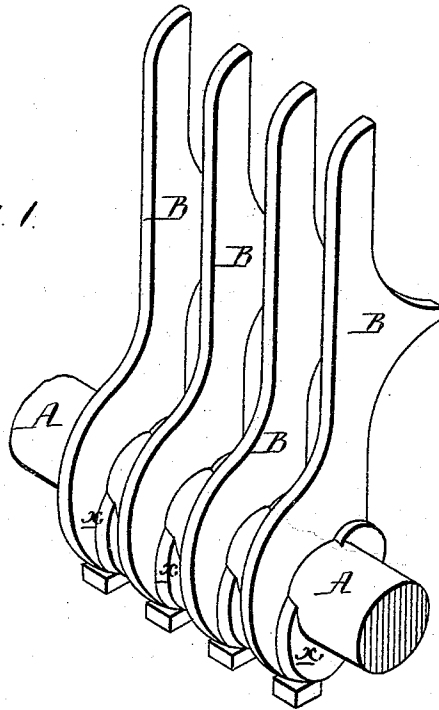


Fig. 2.

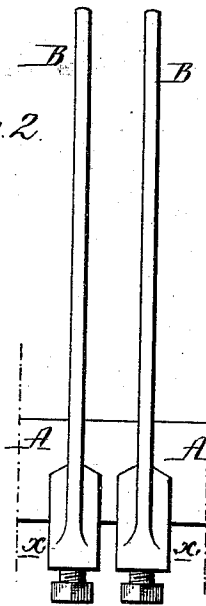
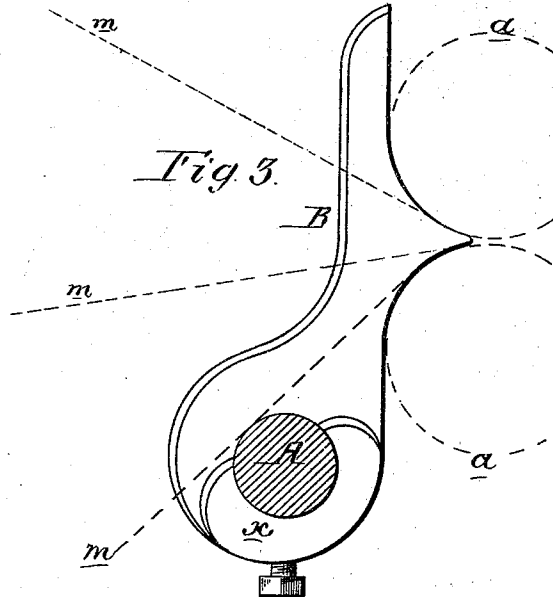


Fig. 3.



Witnesses, Hubert Howson
Thomas M. Sloan

Merrill A. Furbush
by his Atty.
Howson and Son.

UNITED STATES PATENT OFFICE

MERRILL A. FURBUSH, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND C. A. FURBUSH, OF SAME PLACE.

IMPROVEMENT IN FEED-GUIDES FOR CARDING-MACHINES.

Specification forming part of Letters Patent No. **150,856**, dated May 12, 1874; application filed April 23, 1874.

To all whom it may concern:

Be it known that I, MERRILL A. FURBUSH, of Philadelphia, Pennsylvania, have invented an Improved Feed-Guide for Carding-Machines, of which the following is a specification:

The object of my invention is to so construct the feed-guides for directing the strands of wool to the feed-rollers of the wool-carding engine, termed the second breaker and finisher, that whatever may be the adjustment of the said guides laterally, there will always be a clear passage for the said strands to traverse. I attain this object in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 represents a perspective view of the strand-guides; Fig. 2 a front view, and Fig. 3 a side view.

Adjacent to the feed-rollers of the carding-engine, which are represented by the dotted circles *a a* in Fig. 3, is a horizontal bar, *A*, and to the latter are secured guides *B*, between which the woolen strands (represented by the dotted lines *m*) are directed to the feed-rollers. It is important that these guides should be adjustable laterally, so that the spaces between them may be wide or narrow, in accordance with the bulk of the strands.

In order to properly secure the guides to

the rod *A* with a due regard to lateral steadiness, the usual plan would be to provide each guide with a hub or collar on one or both sides, so as to embrace the rod; but these hubs or collars would present grooves narrower than the spaces between the guides, and these grooves would be of greater or less width, according to the adjustment of the guides, and would necessarily interfere with the free passage of the strands. In order to obviate this difficulty, and at the same time give proper lateral steadiness to the guides, I form on each side of each guide a sectional hub, *x*, which fits a portion only of the rod *A*, as shown in Fig. 3, and which is out of the way of the strand *m*, no matter what may be the lateral adjustment of the guides, which are secured by set-screws, as shown.

I claim as my invention—

The within-described adjustable guides *B*, having sectional hubs or projections, *x*, adapted to the rod *A*, as and for the purpose set forth.

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

M. A. FURBUSH.

Witnesses:

WM. A. STEEL,
HARRY SMITH.