(No Model.)

J. BARKER.

RUBBING APRON FOR CARDING MACHINES.

No. 512,530. Patented Jan. 9, 1894.

FIG. 1.

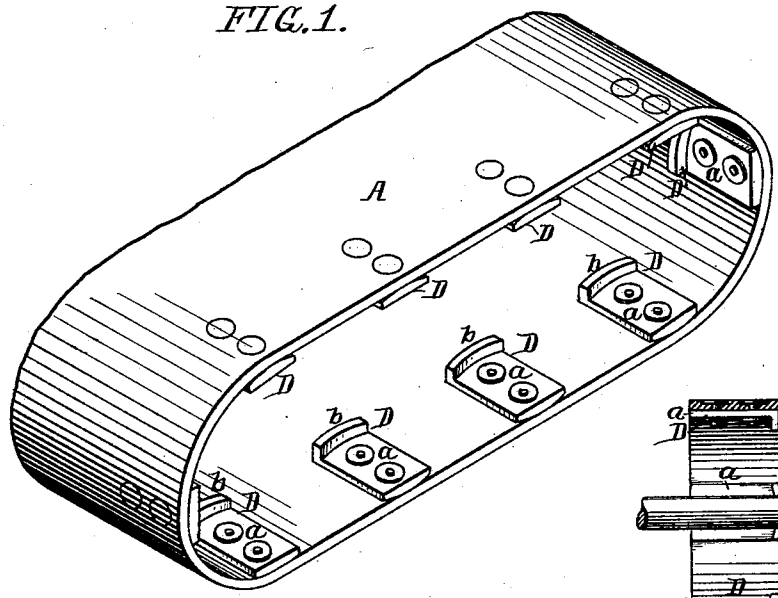


FIG. 4.

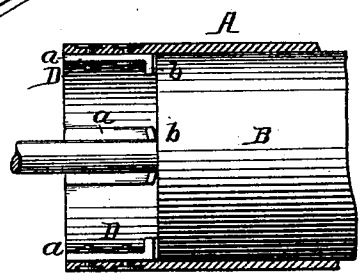


FIG. 2.

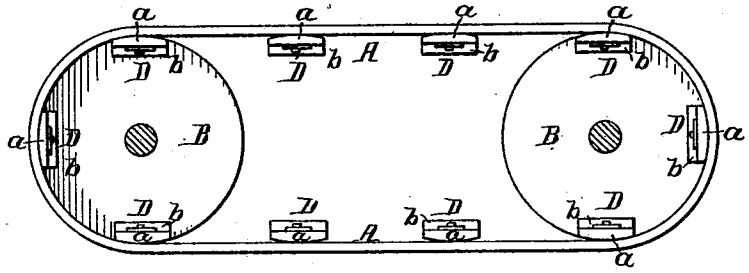
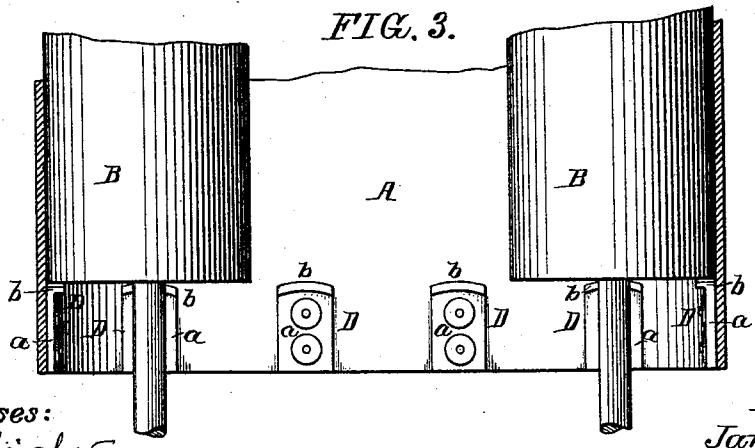


FIG. 3.



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JAMES BARKER, OF PHILADELPHIA, PENNSYLVANIA.

RUBBING-APRON FOR CARDING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 512,530, dated January 9, 1894.

Application filed October 16, 1893. Serial No. 488,314. (No model.)

To all whom it may concern:

Be it known that I, JAMES BARKER, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Rubbing-Aprons for Carding-Machines, of which the following is a specification.

The object of my invention is to provide a rubbing apron for carding machines with simple and efficient means for retaining said apron in proper lateral position in respect to the carrying rolls of the same, and this object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1, is a perspective view of part of a rubbing apron for carding machines provided with retainers constructed in accordance with my invention. Fig. 2, is an end view of the apron and its carrying rolls. Fig. 3, is a sectional plan view of part of the rolls and apron; and Fig. 4, is a transverse section of the same.

Difficulty has been experienced in providing rubbing aprons for carding machines with retainers which will prevent the lateral slipping or shifting of the apron upon its carrying rolls without interfering with the proper flexibility of the apron at the edges, and my invention has been devised with the view of overcoming the objections to the retainers heretofore used.

A represents part of a rubbing apron, and B B parts of the rolls carrying the same.

At each end of the apron and extending around the same on the inner face of the apron are a series of retaining blocks D, each consisting of a metal plate *a* riveted or otherwise securely fastened to the apron and having at its inner end an inwardly projecting flange *b*, these flanges, by contact with the ends of the carrying rolls, serving to preserve the apron in proper lateral position on said rolls by preventing any lateral slipping or displacement of the same at either end. The flanges are rounded as shown in Fig. 3 so that their ends are not likely to come in contact with the end of the roll, and the outer faces of the plates *a* are likewise rounded so as to accord with the curve assumed by the apron in passing around the rolls B. Hence the retaining blocks do not in any way interfere with the perfect flexibility of the edge portions of the apron.

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

1. The combination of the rubbing apron and its carrying rolls with a series of metal blocks disposed at some distance apart from each other around the inner face of the apron adjacent to the edge, the inner portions of said blocks serving, by contact with the ends of the rolls, to prevent lateral movement of the apron on said rolls, substantially as specified.

2. The combination of the rubbing apron and its carrying rolls, with the retaining blocks disposed around the inner face of the apron adjacent to the edge of the same, said retaining blocks having curved outer faces, substantially as specified.

3. The combination of the rubbing apron and its carrying rolls, with the retaining blocks disposed around the inner face of the apron adjacent to the edge, the inner end of each block being curved in order to prevent the block from catching on the ends of the rolls, substantially as specified.

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

JAMES BARKER.

Witnesses:
H. F. REARDON,
FRANK E. BECHTOLD.