

M. KREBS.
Neck-Yokes.

No. 153,967.

Patented Aug. 11, 1874.

Fig: 1.

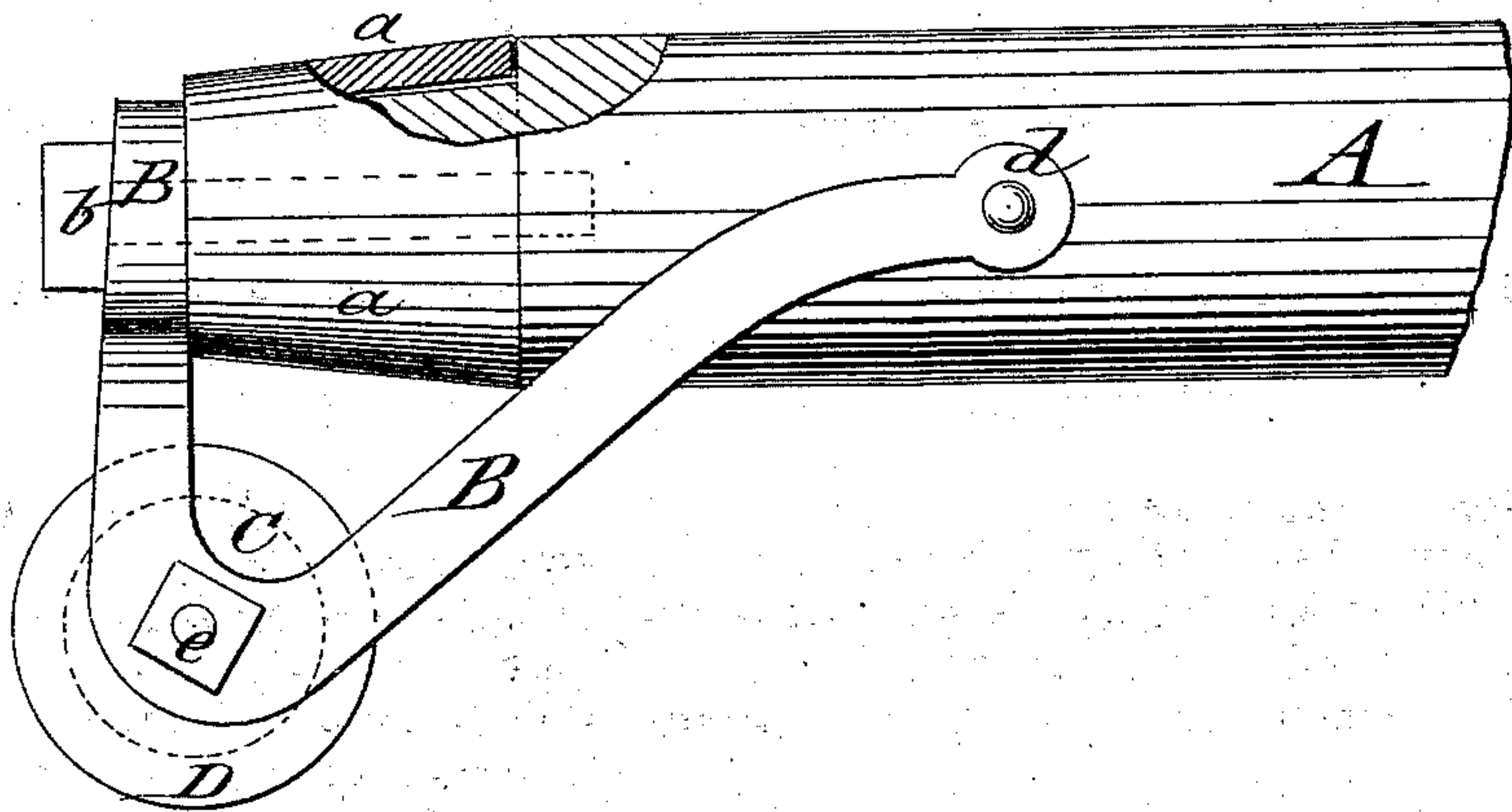
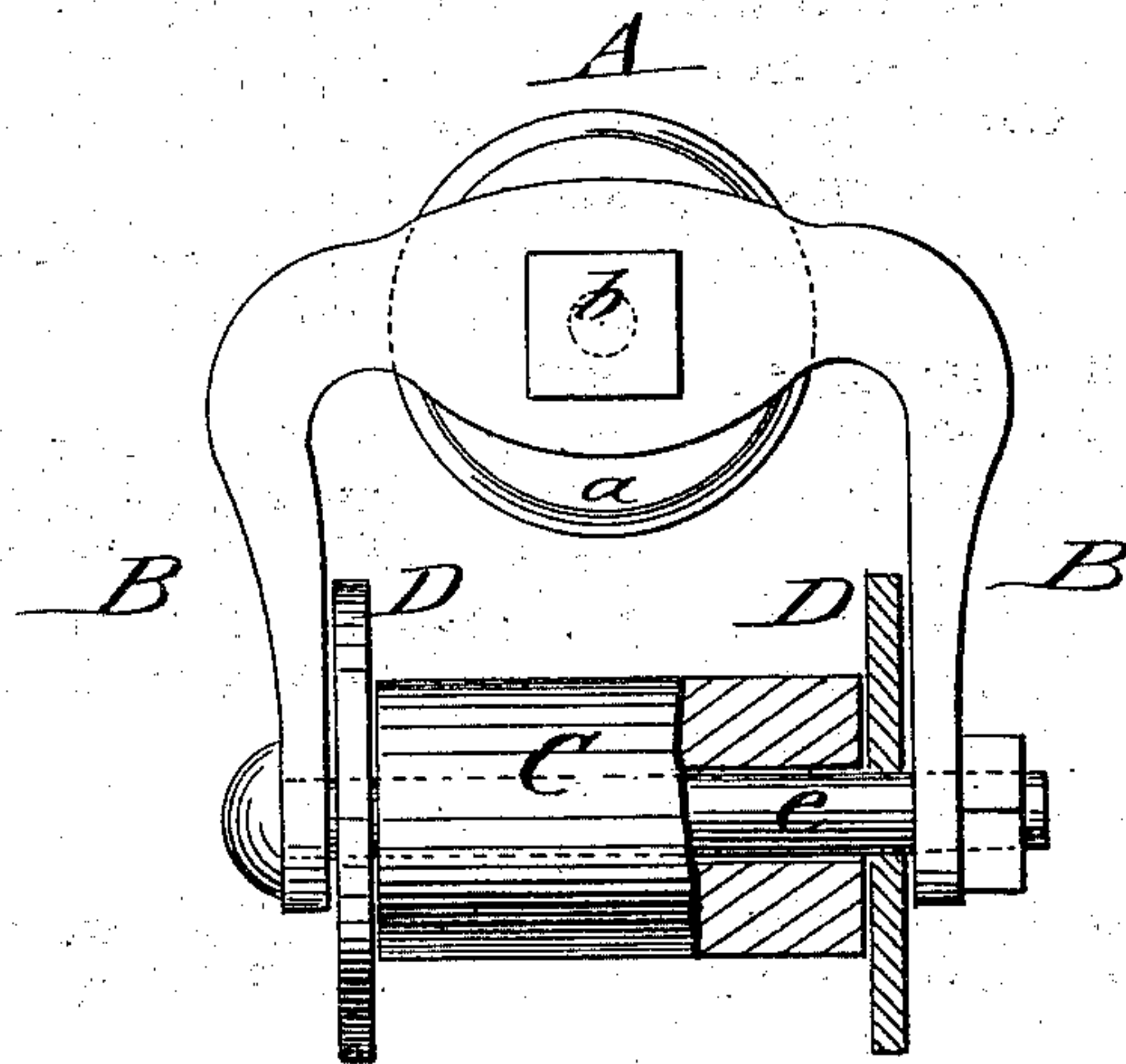


Fig: 2.



WITNESSES:

Chas. Nida.
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UNITED STATES PATENT OFFICE.

MICHEL KREBS, OF ASSUMPTION, ILLINOIS.

IMPROVEMENT IN NECK-YOKES.

Specification forming part of Letters Patent No. **153,967**, dated August 11, 1874; application filed May 29, 1874.

To all whom it may concern:

Be it known that I, MICHEL KREBS, of Assumption, Christian county, Illinois, have invented a new and Improved Neck-Yoke Attachment, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation of my improved neck-yoke attachment, and Fig. 2 a sectional end view of the same.

The object of my invention is to provide an improved neck-yoke, by which the wearing out of the breast-straps, both on the flat side and the edges, is prevented, while it allows the breast-straps to work freely, and obviates the jerking of the horse's neck and the injury frequently caused by it.

My invention consists of a bracket attachment to the ends of the neck-yoke, which supports a loose roller, and side washers for the ready adjustment of the breast-strap.

In the drawing, A represents a neck-yoke of the usual size, to each end of which is applied, by a socket-band, *a*, and fastening-bolt *b*, the supporting roller-bracket B. The middle arched part of bracket B is fastened to the socket end of the neck-yoke A, both ends being bent in rearward direction toward the

sides of the yoke, and fastened firmly thereto by a cross-bolt, *d*. A strong double bracket is thereby formed, by which the loose roller C, with side washers D, is freely supported on a lateral shaft or bolt, *e*, secured in the angle or lowermost part of the bracket. Roller C and washers D turn freely and separately from each other, and give thereby greater play to the breast-straps without wearing them out too quickly.

The breast-straps adjust themselves easily to the motion of the animal or direction of draft, making thereby the neck-yoke with roller attachment more convenient and economical for general use.

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

A neck-yoke supported at both ends by a double supporting-bracket, B, carrying lateral shaft, with loose roller C and side washers D, all combined for the ready and free adjustment of the breast-straps, substantially as set forth.

MICHEL KREBS.

Witnesses:

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