

No. 610,429.

Patented Sept. 6, 1898.

D. M. B. H. COCHRANE.
CYCLE SADDLE.

(Application filed Nov. 29, 1897.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

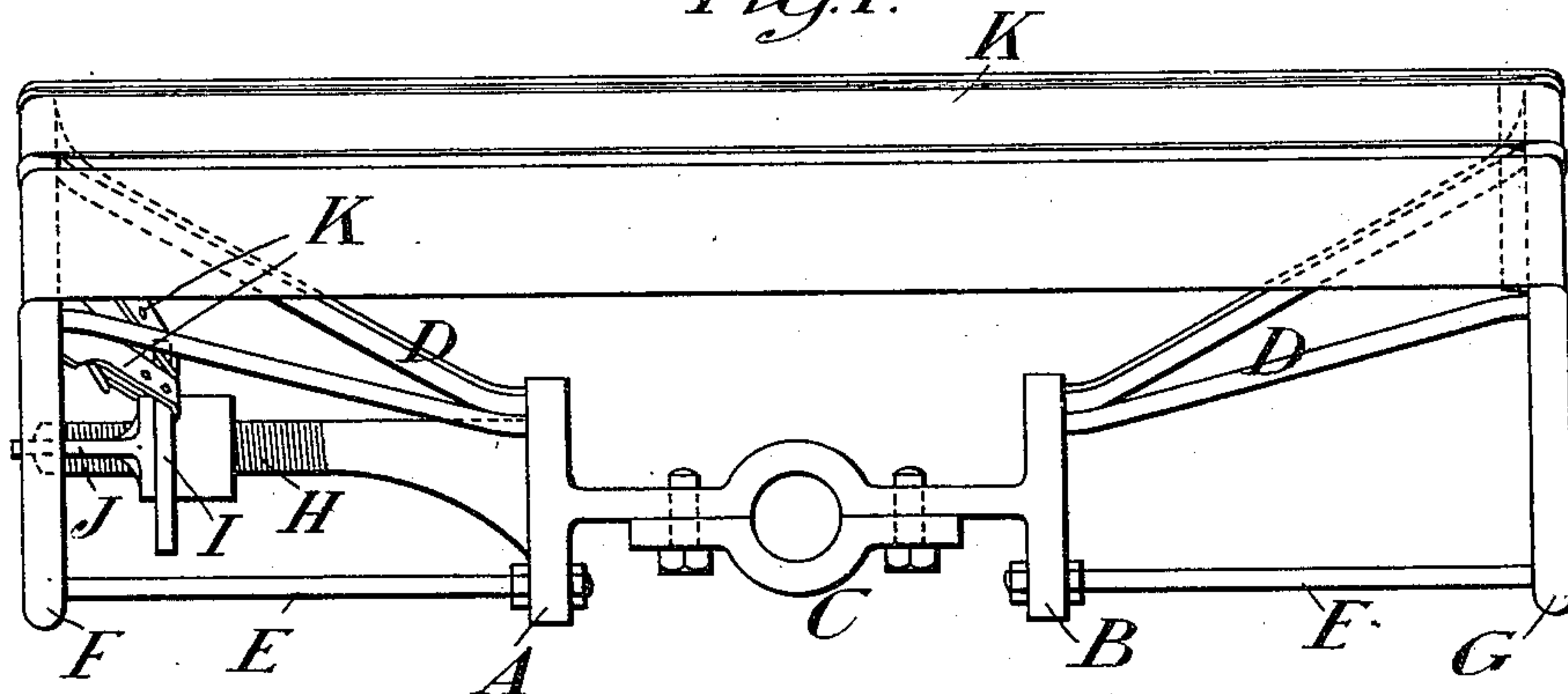
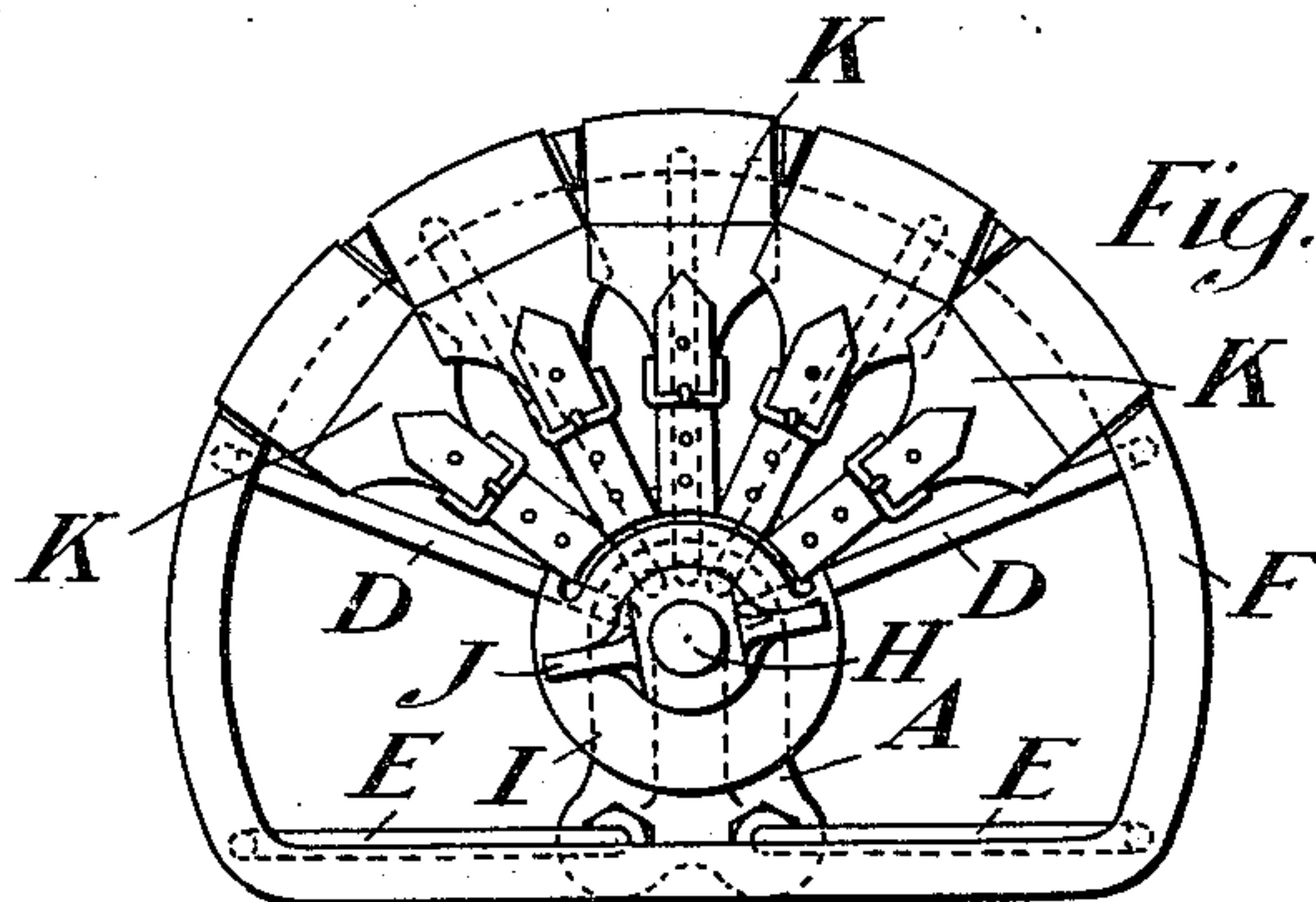


Fig. 2.



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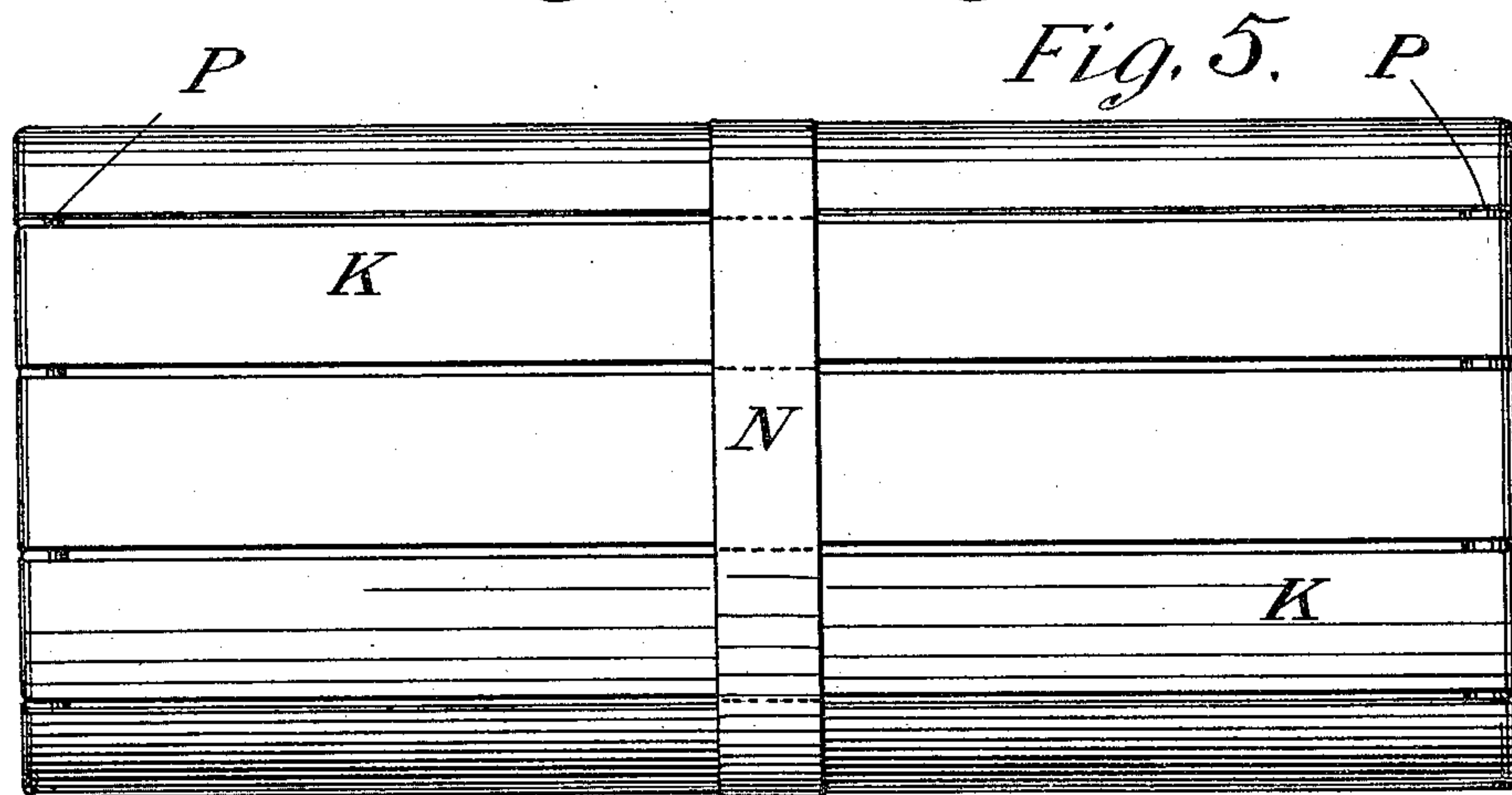
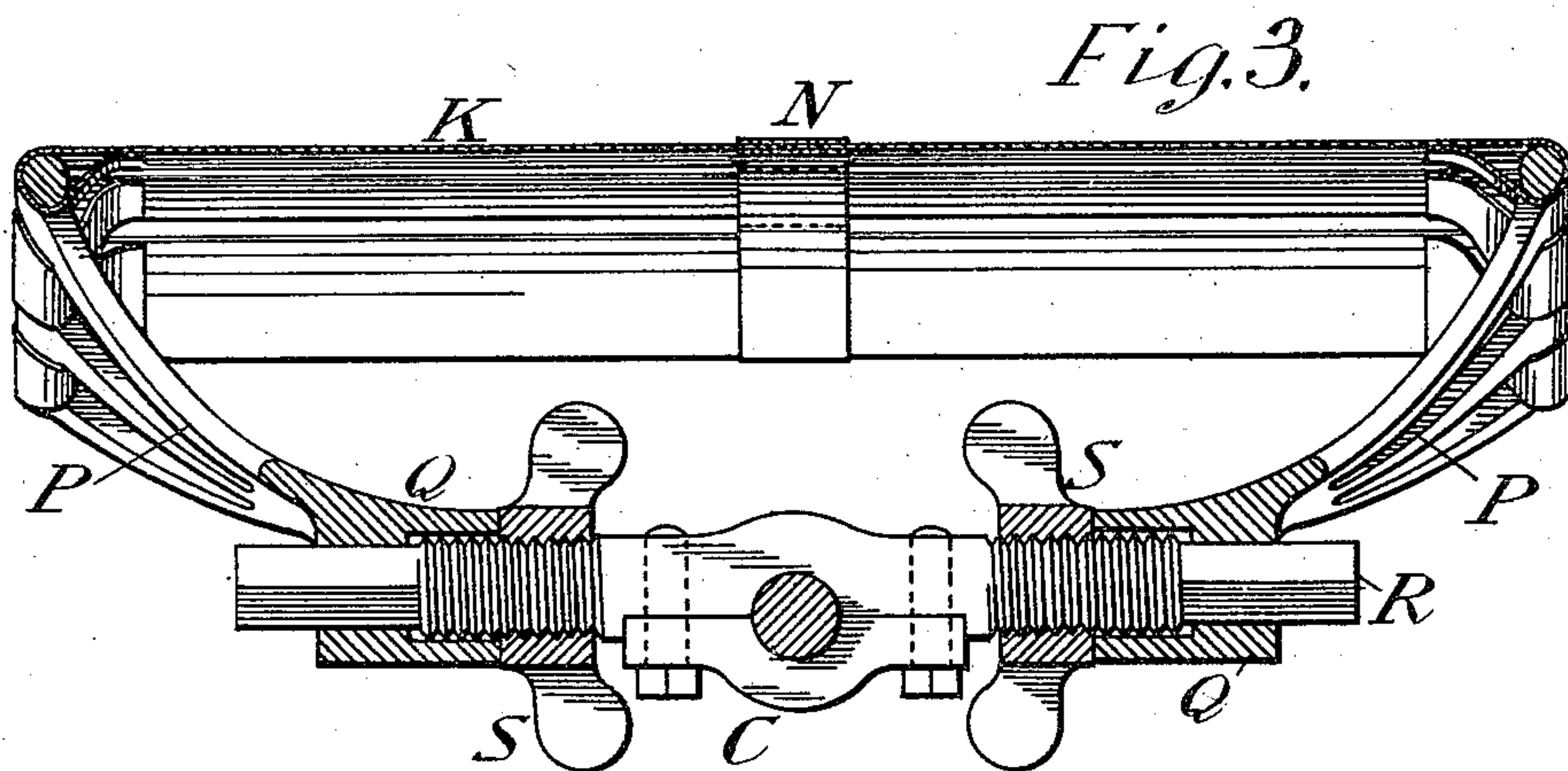
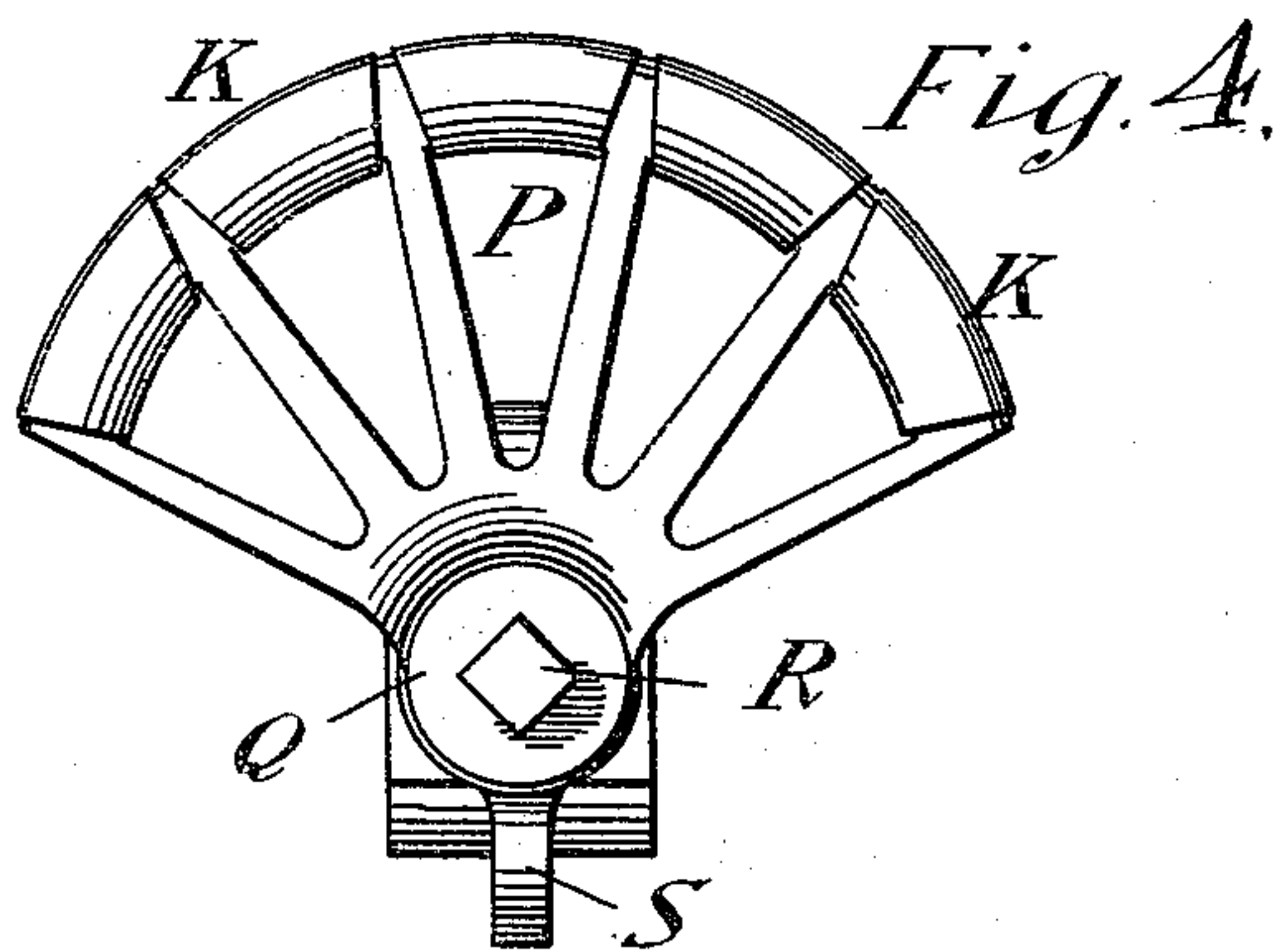
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2 Sheets—Sheet 2.



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UNITED STATES PATENT OFFICE.

DOUGLAS M. B. H. COCHRANE, OF LONDON, ENGLAND.

CYCLE-SADDLE.

SPECIFICATION forming part of Letters Patent No. 610,429, dated September 6, 1898.

Application filed November 29, 1897. Serial No. 660,131. (No model.)

To all whom it may concern:

Be it known that I, DOUGLAS MACKINNON BAILLIE HAMILTON COCHRANE, Earl of Dundonald, a citizen of Scotland, residing at 34 Portman Square, in the city of London, England, have invented a new and useful Yielding Seat Applicable as a Saddle for Velocipedes, of which the following is a specification.

My invention relates to the construction of a yielding seat which may be used instead of a saddle for a bicycle or other velocipede.

Figure 1 of the accompanying drawings is a front elevation. Fig. 2 is an end view of a seat according to my invention. Fig. 3 is a longitudinal section. Fig. 4 is an end view, and Fig. 5 is a plan showing another modification.

Referring first to Figs. 1 and 2, from flanges A B of a frame which may be secured on a saddle-support by a clamp C project obliquely rods D and a pair of horizontal rods E, having their ends attached to ring-frames F G, approximately semicircular. From the flange A there also projects horizontally a screwed rod H, having fitted on it free to slide a disk I, outside of which is a fly-nut J. A number of straps K, of leather, strong fabric, or the like, are fixed at one end to the ring G. Their other ends are strained over the other ring F and are attached by buckles to the disk I. Each of the straps K can be independently strained more or less by its buckle, and all of these can be strained simultaneously by screwing up the nut J. The straps K constitute a yielding seat, some of the straps of which may be made to yield more or less to suit the persons seated on them.

As shown in Figs. 3, 4, and 5, the frames P have approximately semicircular rims connected by ribs to sleeves Q, which are fitted to slide on squared parts of a bolt R, having parts of it screw-threaded and fitted with nuts S and having its middle secured by a clamp C to the saddle-support. The straps K, which form the seat, are secured by stitching or otherwise to the rims of the frames P and can be more or less stretched by screwing outward the nuts S. When it is desirable that each of the straps K should be capable of being separately tightened, it may have its end secured by a buckle to the rim of frame P. The straps K may be attached to a

cross-band N to prevent them from spreading apart at the middle. Instead of employing separate straps K a single piece of canvas or other fabric may be used; but separate straps are preferable, as they can be so strained as to allow local yielding where required. A cushion may also be placed on the straps or fabric.

Having thus described the nature of this invention and the best means I know for carrying the same into practical effect, I claim—

1. A yielding seat for bicycles comprising semicircular ring-frames having a number of straps strained over them, a screw-threaded rod mounted on a seat-support, a sleeve sliding on said rod and operatively connected with the ends of said straps, and a nut on said rod engaging said sleeve whereby to adjust simultaneously the tension of all of the straps, substantially as described.

2. A yielding seat for bicycles comprising a supporting-rod having on opposite sides of its center a screw-threaded portion, sleeves slidably supported on either end of said rod and having extending upward therefrom ribs or bars supporting ring-frames, a series of straps strained over said ring-frames, and nuts engaging the screw-threads of said rod and bearing against said sleeves, whereby to adjust simultaneously the tension of all of the straps, substantially as described.

3. A yielding seat for bicycles comprising a supporting-rod having on opposite sides of its center a screw-threaded portion and beyond said screw-threads having squared ends, sleeves slidably supported on said squared portions and having cylindrical projections encircling said threads, ribs or bars extending upward from said sleeves and supporting ring-frames, a series of straps strained over said ring-frames, and nuts engaging the screw-threads of said rod and bearing against said sleeves, whereby to adjust simultaneously the tension of all of the straps, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 16th day of November, A. D. 1897.

DOUGLAS M. B. H. COCHRANE.

Witnesses:

OLIVER IMRAY,

JNO. P. M. MILLARD.