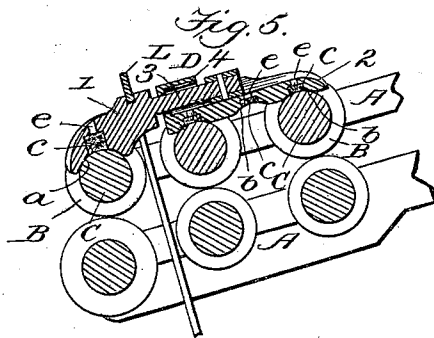
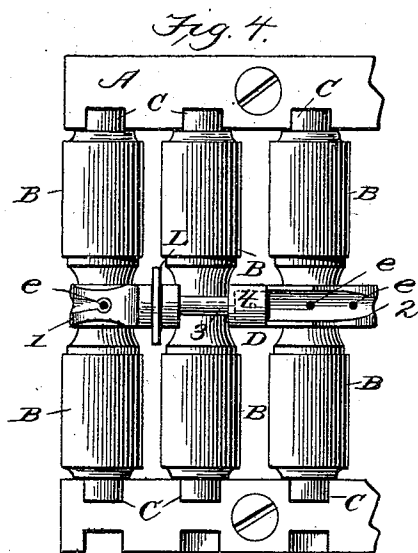
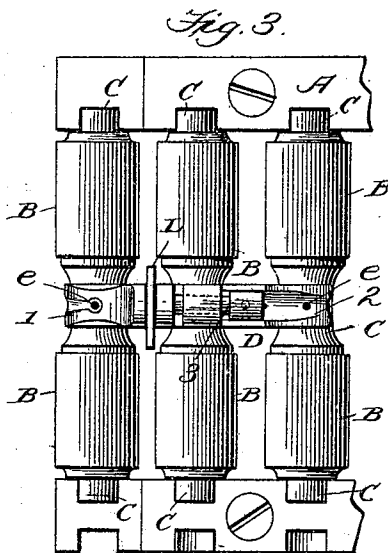
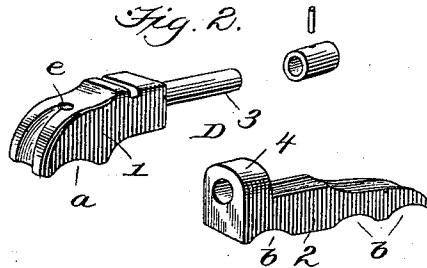
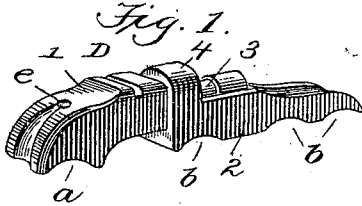


(No Model.)

J. M. PARKER.
SPINNING FRAME SADDLE.

No. 553,815.

Patented Jan. 28, 1896.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES M. PARKER, OF McADENSVILLE, NORTH CAROLINA.

SPINNING-FRAME SADDLE.

SPECIFICATION forming part of Letters Patent No. 553,815, dated January 28, 1896.

Application filed May 7, 1895. Serial No. 548,438. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. PARKER, of McAdensville, in the county of Gaston, State of North Carolina, have invented an Improved Spinning-Frame Saddle, of which the following is a specification.

This invention is an improved saddle for the top rolls of spinning-frames of cotton and other mills.

The object of this invention is to provide a saddle which can be quickly adjusted to throw the pressure upon any particular set of rolls without stopping or changing the speed of the machine.

Another object is to provide a saddle which will not require the attention of an expert, but can be regulated by an ordinary operator running the spinning-machine, and a still further object is to provide a saddle which can accommodate different-sized rolls.

With these objects in view my invention consists in the peculiar construction of the several parts and their novel combination and arrangement, all of which will be fully described and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective view of my improved saddle. Fig. 2 is a similar view showing the parts detached. Fig. 3 is a top plan view showing the saddle upon the first and second rolls. Fig. 4 is a view showing the saddle upon the first and third rolls, and Fig. 5 is a sectional view.

Referring to the drawings, A indicates the frame of an ordinary spinning-machine, and B the top rolls thereof, said rolls being mounted upon arbors C, and both the rolls and arbors may be of any desired construction.

D indicates my improved form of saddle, which rests upon the arbors of the rolls at their center. This saddle D is composed of sections 1 and 2, the section 1 having a shank 3 extending therefrom, and which passes through a shoulder or lug 4 formed upon the end of section 2, thus uniting the two sections and by means of which the sections can be slid apart and still remain connected. The shank 3 is somewhat larger at its free end, and thus prevents the section 2 from becoming

disengaged. The bottom of section 1 is grooved, as shown at *a*, to receive the arbor of the first roll, and the bottom of section 2 is grooved at *b* to receive the arbors of the second and third rolls. Recesses *c* are also formed in said sections at said grooves, the purpose of which is to receive a piece of absorbent material, such as felt, the purpose of which is to receive a lubricant through the perforations *e*, which extend through from the top of section. By this means the arbors will be kept constantly lubricated. L indicates the usual form of pressure-stirrup.

Now in operation the rolls and saddle are arranged as shown in Fig. 3; but should it be desired to relieve the middle roll of pressure it is only necessary to slide the section 2 upon the shank 3 until said middle roll is clear, and this operation can be accomplished while the machine is in full operation.

When it is desired to replace the pressure upon the roll the section 2 is simply slid back again. By means of the recesses and perforations the arbors can be oiled at any time while the machine is in operation.

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

1. An improved top-roll saddle, formed of two sections, one of which has a shank, the other section having an apertured lug or shoulder, which receives said shank, the free end of said shank being enlarged to prevent the sections becoming disengaged, substantially as shown and described.

2. An improved top-roll saddle, comprising the section 1, having a shank 3, at one end, the section 2 having a lug or shoulder 4, upon the end of said section adjacent to the section 1, said lug or shoulder being apertured to receive the shank 3, said sections having lubricating recesses and apertures, substantially as shown and described.

In testimony whereof I affix my signature in the presence of two witnesses.

JAMES M. PARKER.

Witnesses:

WM. H. LEWIS,
GAY McLAUGHEN.