

E. DIXON.
Drawing-Roll Saddles.

No. 205,062.

Patented June 18, 1878.

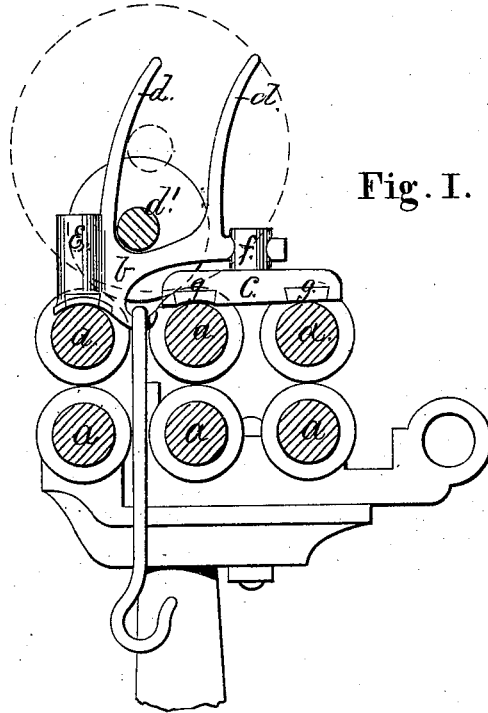


Fig. 1.

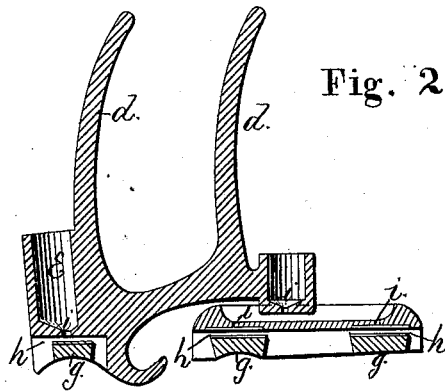


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

EZRA DIXON, OF BRISTOL, RHODE ISLAND.

IMPROVEMENT IN DRAWING-ROLL SADDLES.

Specification forming part of Letters Patent No. **205,062**, dated June 18, 1878; application filed February 18, 1878.

To all whom it may concern:

Be it known that I, EZRA DIXON, of Bristol, in the county of Bristol and State of Rhode Island, have invented new and useful Improvements in Drawing-Roll Saddles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 is a sectional view of the top rolls of a spinning-machine, and shows the application of my improved saddles to the same, and also the manner of supporting the clearer-roll. Fig. 2 is a longitudinal sectional view of the same.

The object of this invention is to provide the front saddle in a spinning-machine with two curved horns, in which the clearer-roll is supported, so that as the roll increases in diameter by the accumulation of waste the same is drawn back to prevent interfering with the piecing of the threads.

In the drawings, *a a* are the drawing-rolls, which are usually arranged so as to be adjustable to the varying lengths of the fiber, as the centers of contact must be farther apart

than the length of the fiber to allow the roving being drawn out without breaking the fiber.

b is the front saddle, provided with a bearing on the front roll, a sliding bearing on the saddle *c*, and two curved horns, within which the clearer-roll *d'* is supported, the roll proper resting on the drawing-rolls. As the clearer-roll increases in diameter the same extends over the drawing-roll, and in piecing the thread the attendant is liable to bring the sliver in contact with the clearer-roll. This is prevented by the use of the curved horns *d d*, which draw the bearing of the clearer-roll back as the diameter increases.

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

The top-roll saddle *b*, having curved guides *d d*, arranged to guide the clearer-roll, substantially as and for the purpose described.

EZRA DIXON.

Witnesses:

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