

No. 754,289.

PATENTED MAR. 8, 1904.

E. DIXON.
TOP ROLL SADDLE.

APPLICATION FILED AUG. 12, 1903.

NO MODEL.

Fig. 1.

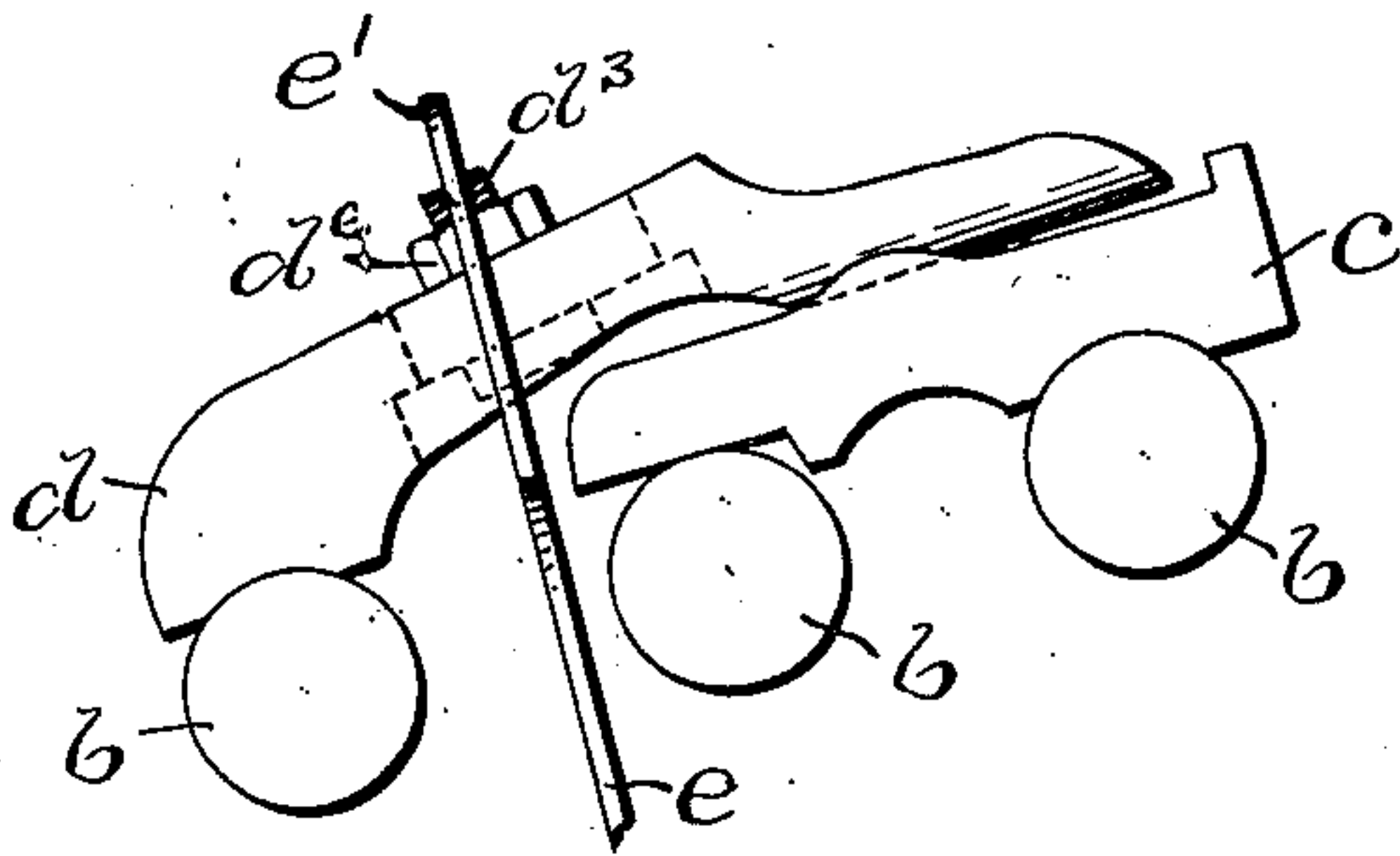


Fig. 2.

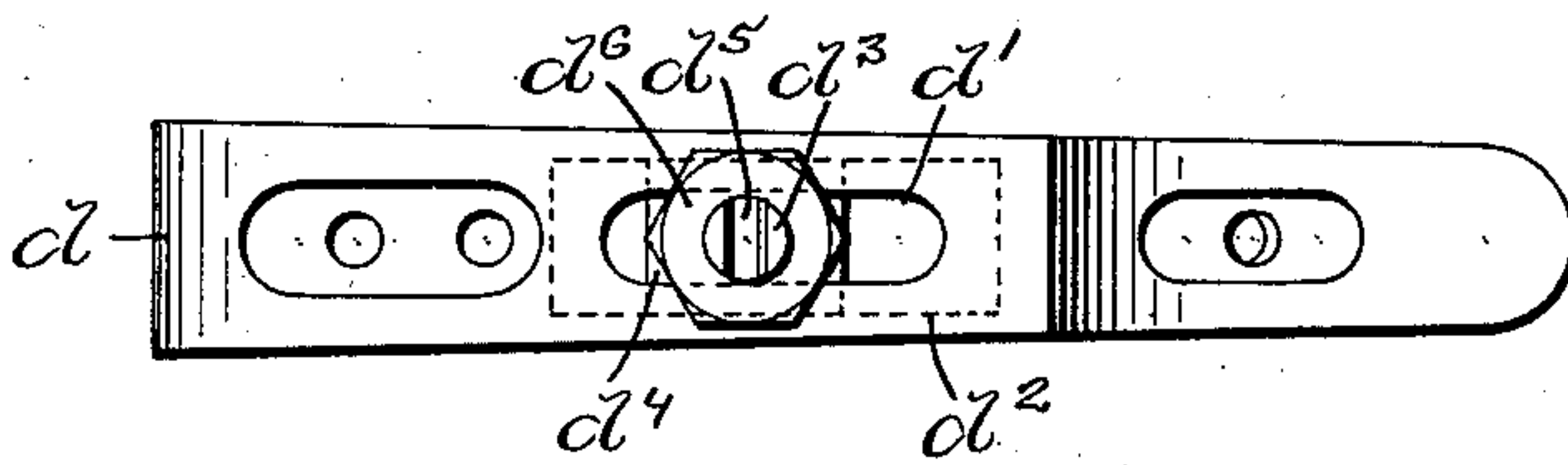


Fig. 3.

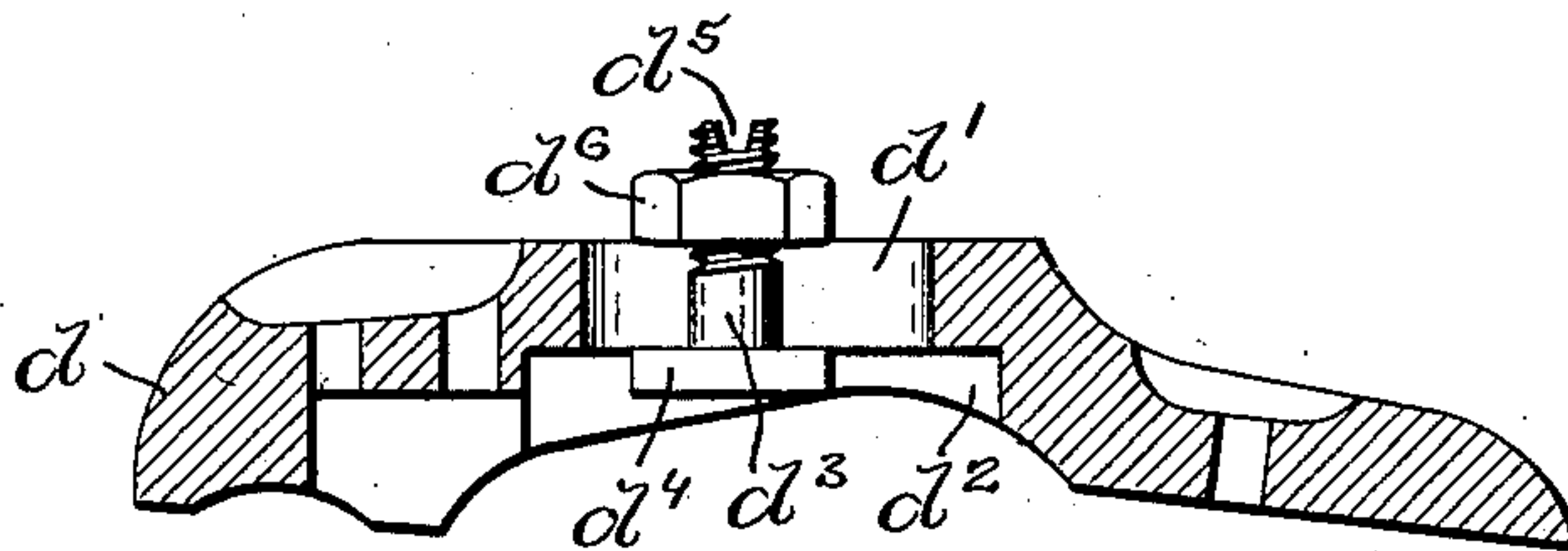
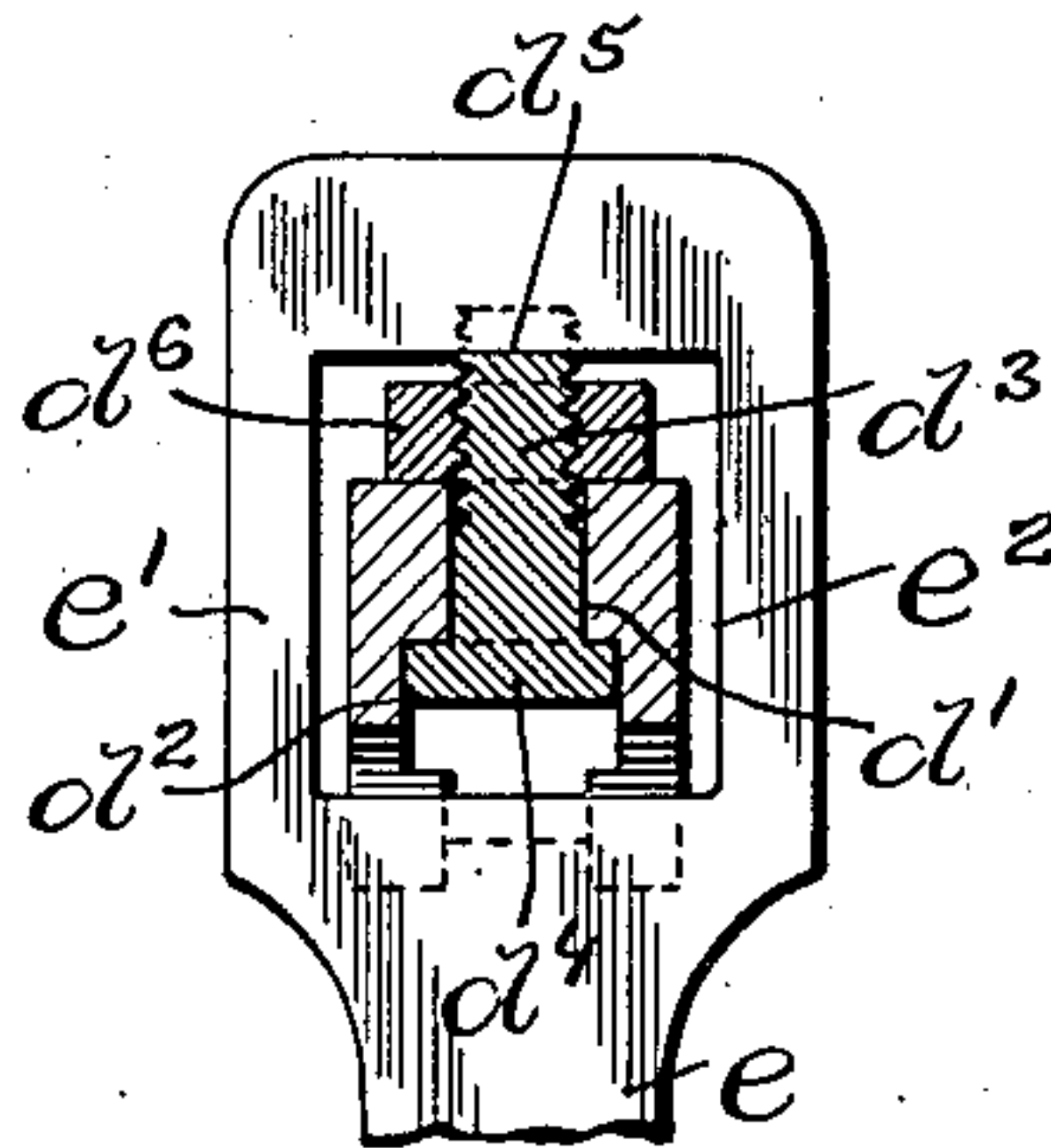


Fig. 4.



WITNESSES:

Ada E. Hagerly
Chas. H. Lutz

INVENTOR.

Ezra Dixon
Joseph A. Miller & Co.
ATTORNEYS:

UNITED STATES PATENT OFFICE.

EZRA DIXON, OF BRISTOL, RHODE ISLAND.

TOP-ROLL SADDLE.

SPECIFICATION forming part of Letters Patent No. 754,289, dated March 8, 1904.

Application filed August 12, 1903. Serial No. 169,205. (No model.)

To all whom it may concern:

Be it known that I, EZRA DIXON, a citizen of the United States, residing at Bristol, in the county of Bristol and State of Rhode Island, have invented a new and useful Improvement in Top-Roll Saddles, of which the following is a specification.

This invention has reference to an improvement in top-roll saddles, and more particularly to an improvement in the mechanism for adjustably connecting the weight-strap to the saddle.

In top-roll saddles it is essential to adjustably connect the weight-strap to the front top-roll saddle, whereby the position of the saddle on the top rolls may be adjusted and the pressure of the saddle on the top rolls changed when required.

The object of my invention is to adjustably connect the weight-strap with the front top-roll saddle by a bolt adjustably secured to the saddle and having means for holding the upper end of the weight-strap.

My invention consists in the peculiar and novel construction of the front top-roll saddle and the upper end of the weight-strap having the shape of an inverted stirrup through which the saddle extends, said saddle having a slot extending lengthwise of the saddle and countersunk on the under side of the saddle and a bolt adjustably secured in the slot and having a groove to receive and hold the upper end of the weight-strap, as will be more fully set forth hereinafter.

Figure 1 is a side view of the front and rear saddles, showing the saddles bearing on the journals of the top rolls and the front saddle provided with an adjustable bolt, to which the upper end of the weight-strap is connected through a groove in the end of the bolt. Fig. 2 is an enlarged plan view of the front top-roll saddle, showing the bolt adjustably secured in the slot in the saddle and the groove in the end of the bolt for the weight-strap.

Fig. 3 is a sectional view taken lengthwise through the front saddle, showing the slot in the saddle countersunk on the under side of the saddle for the square head of the adjusting-bolt; and Fig. 4 is a transverse sectional view through the front saddle, showing the

stirrup-shaped upper end of the weight-strap inclosing the saddle and supported in the groove on the end of the adjusting-bolt.

In the drawings, *b b* indicate the journals of the top rolls; *c*, the back saddle; *d*, the front saddle, and *e* the weight-strap. The back saddle *c* is constructed in the usual way to form bearings for the back and intermediate top-roll journals and to support the rear end of the front saddle. The forward end of the front saddle *d* has the usual bearing for the journal of the front top roll. In the saddle *d* is the slot *d'*, extending lengthwise of the saddle and having the countersunk portion *d''* on the under side of the saddle. The adjusting-bolt *d'''* extends upward through the slot *d'* and has the square head *d''''* in the countersunk portion *d''* of the slot, the groove *d'''''* in its end, and the nut *d''''''* bearing on the upper face of the saddle. The weight-strap *e* has the stirrup-shaped upper end *e'*, forming the square opening *e''*, through which the saddle *d* extends to bring the upper edge of the opening *e''* over and into the groove *d'''''* in the end of the adjusting-bolt *d'''*.

The weight-strap *e* is adjusted lengthwise on the front saddle *d* by moving the bolt *d'''* in the slot *d'* in the saddle and secured in the adjusted position by tightening the nut *d''''''* on the adjusting-bolt. The square head *d''''* of the adjusting-bolt *d'''* prevents the adjusting-bolt from turning in the slot *d'* and holds the groove *d'''''* in the adjusting-bolt in the true position to receive the upper edge of the opening *e''* in the weight-strap.

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

1. A top-roll saddle having a slot, a bolt in the slot, a nut on the bolt, a weight-strap having an opening in its upper end, and means on the end of the bolt to hold the upper edge of the opening in the weight-strap to adjustably connect the weight-strap with the saddle, as described.

2. The combination with a front top-roll saddle having a slot extending lengthwise and countersunk on the under side, a bolt extending upward through the slot and having a square head in the countersunk portion of the slot, a nut on the bolt, a groove in the end of

the bolt, and a weight-strap having a square opening in its upper end adapted to receive the saddle and bring the upper edge of the opening in the weight-strap into the groove in the end of the bolt to adjustably connect the weight-strap with the saddle, as described.

3. In top-roll saddles, the combination with the back saddle *c*, the front saddle *d* having the slot *d'* with the countersunk portion *d''*, the bolt *d'''* having the square head *d''''* and the groove *d''''''* in its end, the nut *d''''''*, and the weight-

strap *e* having the inverted-stirrup-shaped upper end *e* with the opening *e''* to adjustably connect the weight-strap with the front top-roll saddle, as described.

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

EZRA DIXON.

Witnesses:

ADA E. HAGERTY,
J. A. MILLER, Jr.