

No. 753,320.

PATENTED MAR. 1, 1904.

R. SCHEUER.

BUCKLE.

APPLICATION FILED JUNE 30, 1903.

NO MODEL.

FIG. 1.

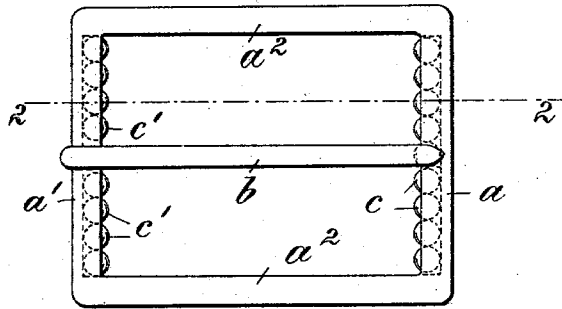


FIG. 2.

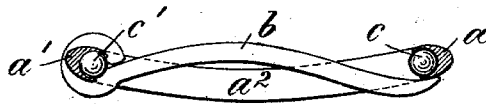
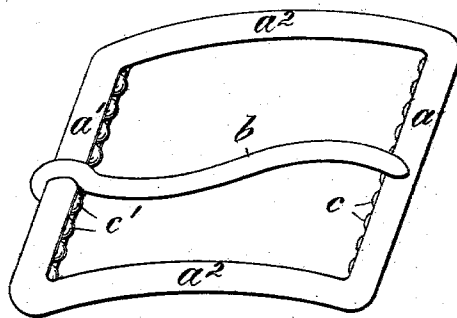


FIG. 3.



Witnesses:
Arthur Junge.
Edward Ray.

Inventor:
Ralph Scheuer
by his attorney
A. K. Brien

UNITED STATES PATENT OFFICE.

RALPH SCHEUER, OF NEW YORK, N. Y.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 753,320, dated March 1, 1904.

Application filed June 30, 1903. Serial No. 163,700. (No model.)

To all whom it may concern:

Be it known that I, RALPH SCHEUER, a citizen of the United States, residing at New York city, Manhattan, county and State of New York, have invented certain new and useful Improvements in Buckles, of which the following is a specification.

This invention relates to a buckle provided with balls which are adapted to engage the belt or other device to which the buckle is applied, so as to reduce the friction and facilitate the manipulation of the buckle.

In the accompanying drawings, Figure 1 is a plan of my improved buckle. Fig. 2 is a longitudinal section thereof on line 2-2, Fig. 1, and Fig. 3 a perspective view of the buckle.

The frame of the buckle has a front bar *a* and a rear bar *a'*, to which is pivoted the tongue *b*, that engages the front bar *a*, as usual. The bars *a a'* are grooved along their inner sides for the reception of antifriction-balls *c c'*, which project inwardly beyond the bars, as shown. At the ends of bars *a a'* the balls are held against displacement by the side bars *a''* of the buckle-frame.

It will be seen that the balls *c'* are adapted to contact with the fixed end of the belt, suspender, or other device, which is looped around

the rear bar *a'*, while the balls *c* are adapted to engage the free end or tongue of such belt, &c. Thus the balls will greatly reduce the friction, prevent abrasion, and facilitate the opening and closing of the buckle.

What I claim is—

1. A buckle having a rear bar, a front bar grooved along its inner side, antifriction-balls within the groove of the front bar, and a tongue pivoted to the rear bar and engaging the front bar, substantially as specified.

2. A buckle having a rear bar grooved along its inner side, antifriction-balls within the groove of said bar, a front bar, and a tongue pivoted to the rear bar and engaging the front bar, substantially as specified.

3. A buckle having a grooved front bar, a grooved rear bar, a tongue pivoted to the rear bar, and antifriction-balls within the grooves of the front and rear bars, substantially as specified.

Signed by me at New York city, (Manhattan,) New York, this 29th day of June, 1903.

RALPH SCHEUER.

Witnesses:

WILLIAM SCHULZ,
FRANK V. BRIESEN.