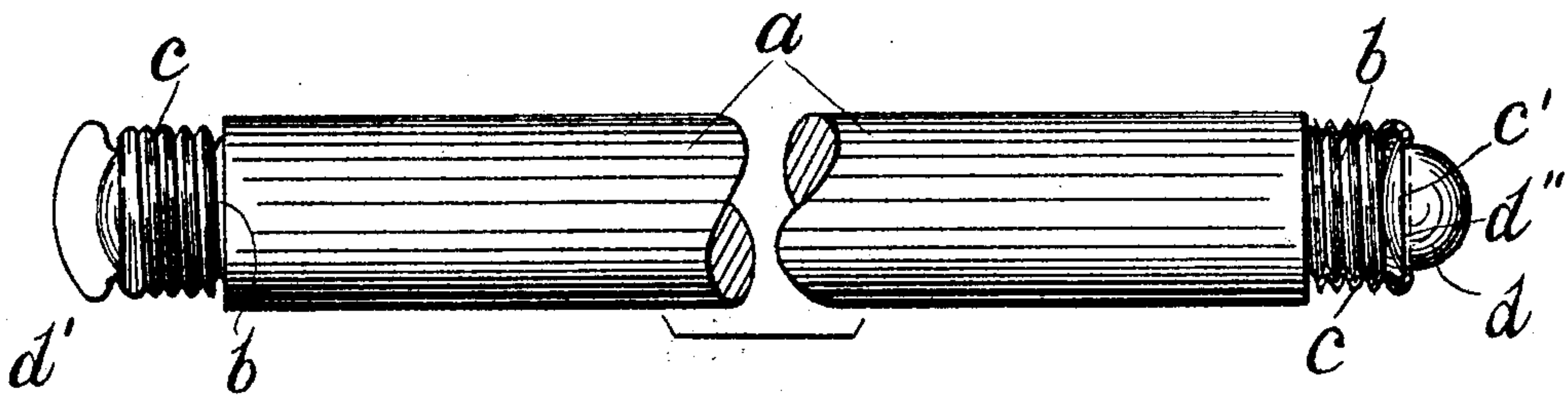


No. 814,413.

PATENTED MAR. 6, 1906.

C. H. TUPPER.
MEANS OF ATTACHMENT FOR ERASERS.

APPLICATION FILED JULY 10, 1905.



Witnesses
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UNITED STATES PATENT OFFICE.

CLARA H. TUPPER, OF SOMERS, CONNECTICUT.

MEANS OF ATTACHMENT FOR ERASERS.

No. 814,413.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed July 10, 1905. Serial No. 268,949.

To all whom it may concern:

Be it known that I, CLARA H. TUPPER, a citizen of the United States of America, residing in Somers, in the county of Tolland and State of Connecticut, have invented a new and useful Improvement in Rulers, of which the following is a specification.

My improvement relates to a construction of rulers adapted to be used for the drawing of straight lines and provided with detachably-mounted erasers at each end, one being a hemispherical eraser adapted for the erasure of pencil-marks and one being a flattened eraser adapted for the erasure of ink-marks.

The object of my invention is to provide a cheap, simple, and convenient device for the purposes stated.

I attain the objects of my invention by the construction herein described, and illustrated in the drawing.

In the drawing I have shown a straight round ruler, the central portion broken away, and with a pencil-eraser mounted at one end portion and a flat eraser mounted at the opposite end portion.

In detail, *a* indicates the ruler; *b*, threaded portions at the end thereof; *c*, ferrules threaded to engage the threaded portion of the ruler; *d*, a pencil-eraser; *d'*, an ink-eraser, and *d''* an annular flange projecting beyond the base of the erasers and adapted to be engaged by the inturned annular flange on the ferrule.

The construction and arrangement will be readily understood on reference to the drawing in connection with the description herein. The ruler comprises a straight body, which may be either a true circle in cross-section or of other desirable shape in cross-section, the edges, however, being straight and adapted to be used for the drawing of straight lines. The material of which the body of the ruler is constructed is immaterial.

The pencil-eraser consists of a hemispherical body of rubber having its base portion provided with an annular projecting flange,

which flange sets under the inturned annular flange of the ferrule and is turned downward as the ferrule is screwed in place. The ink-eraser consists of a flattened piece, as shown at *d'* at the left of the drawing, this eraser being provided with a circular base, which projects under the inturned annular flange of the ferrule and is held in place in like manner as the pencil-eraser.

It will readily be seen that the erasers may be readily replaced when worn and new ones substituted by simply turning the threaded ferrules until the same are free from their threaded connection with the ruler, removing the worn erasers and substituting new, and replacing the ferrules in their first position.

It is desirable that the threaded portion be of less diameter than the body of the ruler, so as to avoid interference with the device when it is being used as a ruler.

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

1. A straight body adapted to be used as a ruler, in combination with a hemispherical pencil-eraser at one end and a flat ink-eraser at the other, both held in place by threaded ferrules having inturned flanges, substantially as shown.

2. A round, straight body adapted to be used as a ruler, and having its end portions threaded and of less diameter than the body, threaded ferrules having their outer faces inturned mounted on the threaded end portions of the body, a pencil-eraser mounted at one end and a flat ink-eraser at the other, both having flanges, and mounted in position by the flanges being clasped under the inturned flange of the ferrules, substantially as shown.

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

CLARA H. TUPPER.

Witnesses:

A. P. HOBART,
F. A. CUTTER.