No. 869,578. PATENTED OCT. 29, 1907.

G. W. LE COMPTE.

RULE OR CALIPERS.

APPLICATION FILED FEB. 9, 1907.

Fig. 1.

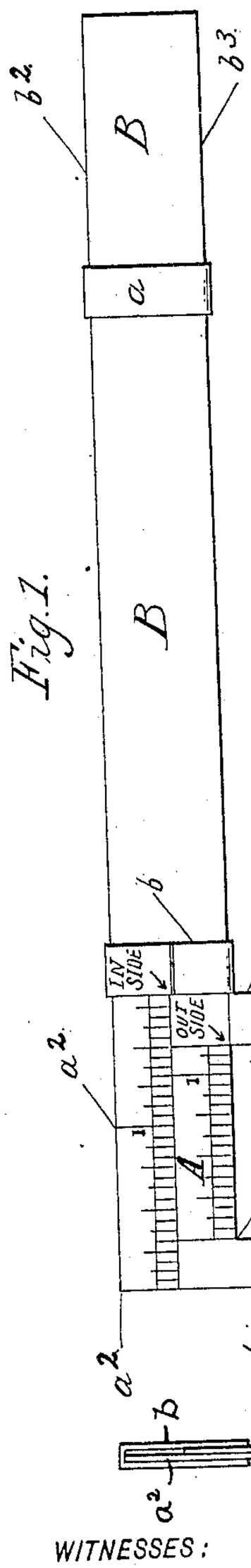


Fig. 4.

Fig. 2.

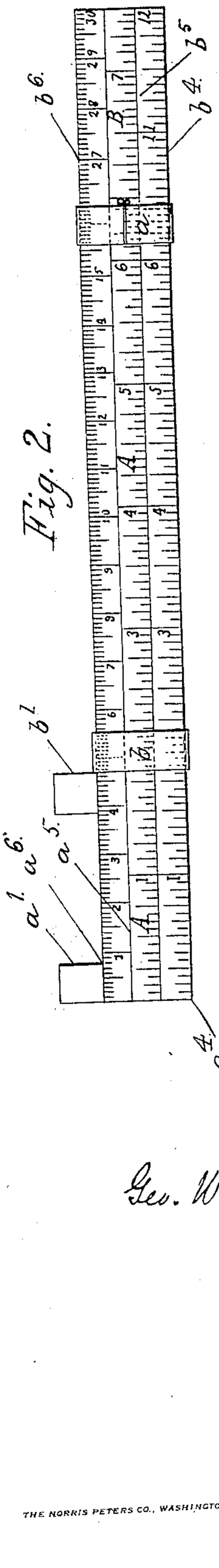
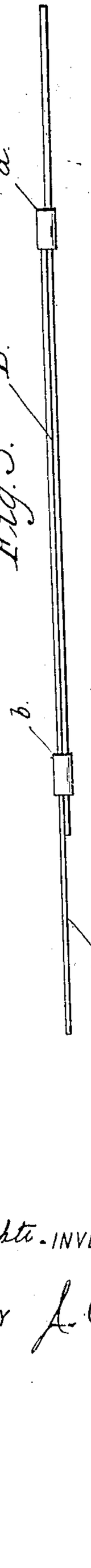


Fig. 3.



WITNESSES:

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GEORGE W. LE COMPTE, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO THE AMERICAN HAME AND BIT COMPANY, OF NEWARK, NEW JERSEY.

RULE OR CALIPERS.

No. 869,578. Specification of Letters Patent. Patented Oct. 29, 1907.

Application filed February 9, 1907. Serial No. 356,535.

To all whom it may concern:

Be it known that I, GEORGE W. LE COMPTE, a citizen of the United States of America, and a resident of New York, in the county and State of New York, have invented a certain new and useful Rule or Calipers, of which the following is a specification, the same being a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to instruments with an edge approximately straight subserving purposes of measurement, and in particular to a telescopic or sliding rule or caliper by the use of which the outside and inside dimensions of articles may be taken, and which serves also as a lineal measure, the same being capable of being drawn together so as to be in compact form when not required for use, and of being distended to the degree necessary for making the measurement required, and it has for its object the provision of an appliance of the kind set forth, simple in construction, inexpensive to manufacture, and which is also efficient in practical use.

To attain the desired end, this, my invention, consists in the construction, arrangement and operation of parts herein set forth.

In order to enable the invention to be fully understood, I will proceed to explain the same by reference to the drawings, illustrative of one embodiment of the invention, which accompany and form a part of this specification, and in which

Figure 1 represents an elevation or face view of an article constructed according to this invention; Fig. 2 is a view of the opposite face or reverse side of the same; Fig. 3 is an edge view of the said appliance, and Fig. 4 is an end view of the same.

Like letters of reference indicate like parts in all the views.

Referring particularly by reference symbols or characters to the drawings, A denotes one member or section of my rule which is preferably made of flexible material, as celluloid, one end of which is provided with a loop or band *a*, rigidly attached to the same, and forming a socket for the other member B, and at the opposite extremity having a projection or depending portion, as the flap a'.

The member or section B of the rule is provided with a band or loop *b* rigidly attached to the same, and forming a socket for the member A, and has a projection or depending portion, as the flap b', located adjacent to the same, and lying opposite to the projection a', and the free end b^2, b^3 of the member B will lie under the band *a*, the whole being so arranged that when the members A and B are drawn together, the projection b' will lie on or over the projection a', and the total length of the rule will ordinarily be a little over six inches, and when the said members are distended, the two members will form a rule preferably twelve inches in length.

On one face of the member A, which for convenience in description I will term the inner face of the same, I lay down a series of marks at determinate distances, the same ordinarily consisting of and constituting the fractions of an inch, one scale a^2 commencing at the end of the member A and lying along the top edge of the same, and denoting at the band *b* the inside measurement or diameter of the article measured, or the distance between the outer edges of the flaps a' and b'; and the other scale *a* commencing from the flap a' and lying along the lower edge of the member A, and denoting at the end of the member B the outside measurement of an article, or the distance between the inner opposite edges of the flaps a' and b'. The bands *a* and *b* and flaps a', b' are preferably made of transparent material, as celluloid, so that the markings thereunder may be clearly seen.

On the lower edge of the reverse side or outer face of the members A and B, I place a scale a^4, b^4, which, when the members are drawn out or distended to their fullest extent, forms ordinarily a twelve inch rule which may be used for ordinary purposes of lineal measurement, and on the upper edge of the member A, I lay out a metric scale a^6, b^6, and in the center of the rule I mark down a scale a^5, similar to the one on the lower edge of the same. On the central portion of the member B however, I place a scale b^5 in reverse order, so that the distance between the outer ends of the members A and B will be denoted at the band *a*. The scale on the upper edge of the members A and B is thus a partly reversed scale, the same reading in inches approximately from one to six on A, and from twelve to seven on B.

I wish it to be understood that I do not desire to be limited to the exact details of construction shown and described, for obvious modifications will occur to a person skilled in the art.

What I claim as my invention is:

1. A sliding rule or caliper consisting of two members, each having a rigid band or loop forming a socket for the other, and each having a depending portion or flap, the lower member having one scale beginning at the edge of the same, and another scale beginning at the inner edge of the flap, and on the opposite or reverse side the two members having a lineal scale on one edge and a partly reversed scale adjacent thereto, and a metric scale on the other edge, the two said members being made of flexible material, and constructed and arranged to be pushed together so that the upper flap will lie over the lower one, and the bands or loops being formed of transparent material.

2. A sliding rule or caliper consisting of two members, each having a depending portion or flap, the lower member having one scale beginning at the edge of the same, and another scale beginning at the inner edge of the

flap, and on the opposite or reverse side the two members having a lineal scale on one edge and a partly reversed scale adjacent thereto, the two said members being made of flexible material, and constructed and arranged to be pushed together so that the upper flap will lie over the lower one, and the bands or loops being made of transparent material.

3. A sliding rule or caliper consisting of two members, each having a rigid band or loop forming a socket for the other, and each having a depending portion or flap, the lower member having one scale beginning at the edge of the same, and another scale beginning at the inner edge of the flap, the two members being made of flexible material, and constructed and arranged to be pushed together so that the upper flap will lie over the lower one, and the bands or loops being formed of transparent material.

In testimony of the foregoing specification, I do hereby sign the same in the city of New York, county and State of New York this 16th day of January 1907.

GEORGE W. LE COMPTE.

Witnesses:
J. ODELL FOWLER,
E. D. JUNIOR.