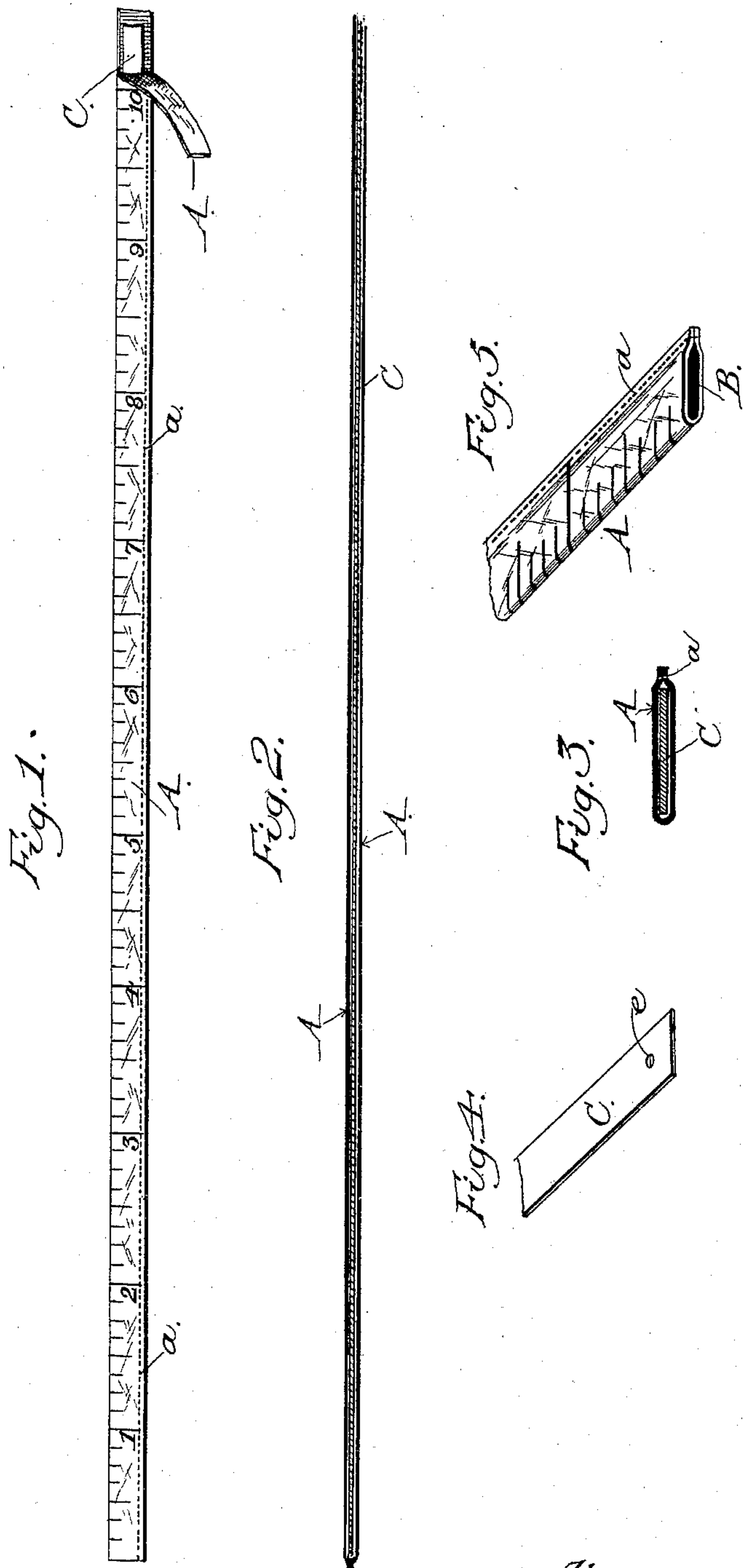


(No Model.)

A. S. ADLER.  
FLEXIBLE SCALE MEASURE.

No. 448,805.

Patented Mar. 24, 1891.



Witnesses

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# UNITED STATES PATENT OFFICE.

ABRAHAM S. ADLER, OF BALTIMORE, MARYLAND.

## FLEXIBLE SCALE-MEASURE.

SPECIFICATION forming part of Letters Patent No. 448,805, dated March 24, 1891.

Application filed June 26, 1890. Serial No. 356,750. (No model.)

*To all whom it may concern:*

Be it known that I, ABRAHAM S. ADLER, a citizen of the United States, residing at Baltimore city, in the State of Maryland, have invented certain new and useful Improvements in Flexible Scales, of which the following is a full and clear description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan view of my improved flexible scale, showing a portion broken away to expose the inner metallic strip. Fig. 2 is a sectional view of the same. Fig. 3 is a cross-sectional view on an enlarged scale. Figs. 4 and 5 are details.

My invention relates to a flexible scale for taking accurate measurements of the human body and parts thereof, and for analogous purposes; and my invention consists of a flexible scale having a thin strip secured within it in a manner and for purposes which I shall hereinafter fully describe and claim.

To enable others skilled in the art to which my invention appertains to make and use the same, I will now describe its construction and indicate the manner in which the same is carried out.

In the accompanying drawings, A represents a piece of textile material having stamped, printed, impressed, or otherwise formed on it a scale indicating inches and fractions thereof, the said piece A being folded on a line drawn through its longitudinal center, and the two meeting edges then secured by a line of stitching *a* or by pasting or by other well-known means. This manner of forming the strip A produces a long narrow pocket B between the fold of the fabric, and

within this pocket I insert a thin strip C, preferably of steel, for the purpose of stiffening the tape.

The strip C may be secured at its ends to the fabric, if desired, by running a thread through small holes *e*, which construction prevents the fabric portion from "shrinking," so as to destroy the accuracy of the scale thereon.

I am aware that tapes of flexible material—such as fabric—have been heretofore used, and also that tapes have been formed of thin steel strips, and therefore I do not broadly claim such tapes as forming any part of my invention, as these uncovered steel tapes quickly rust upon exposure or from contact with the hands, and the figures which they usually contain soon become obliterated.

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

1. As an article of manufacture, a measuring-scale of textile material having a metallic strip secured within it, substantially as herein described.

2. A flexible scale consisting of a textile outer covering containing designating characters, such as inches and fractions thereof, and a thin steel strip secured within the fold of the outer covering, substantially as herein described.

3. A scale of textile material having a pocket extending throughout its length and a flexible strip within said pocket, substantially as herein described.

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Witnesses:

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