

E. T. LUFKIN.
Board-Measures.

No. 149,321.

Patented April 7, 1874.

Fig. 1.

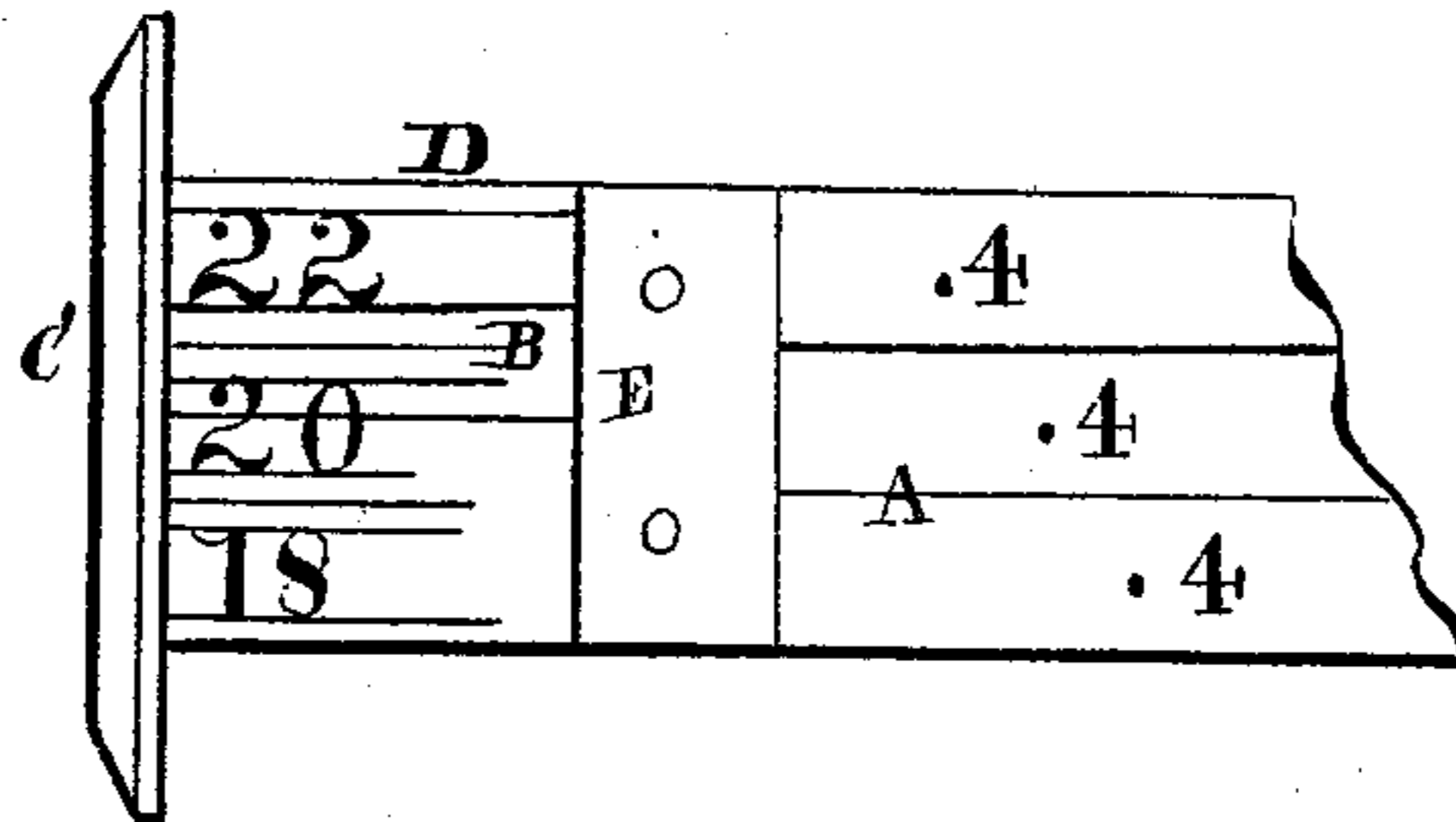


Fig. 2.

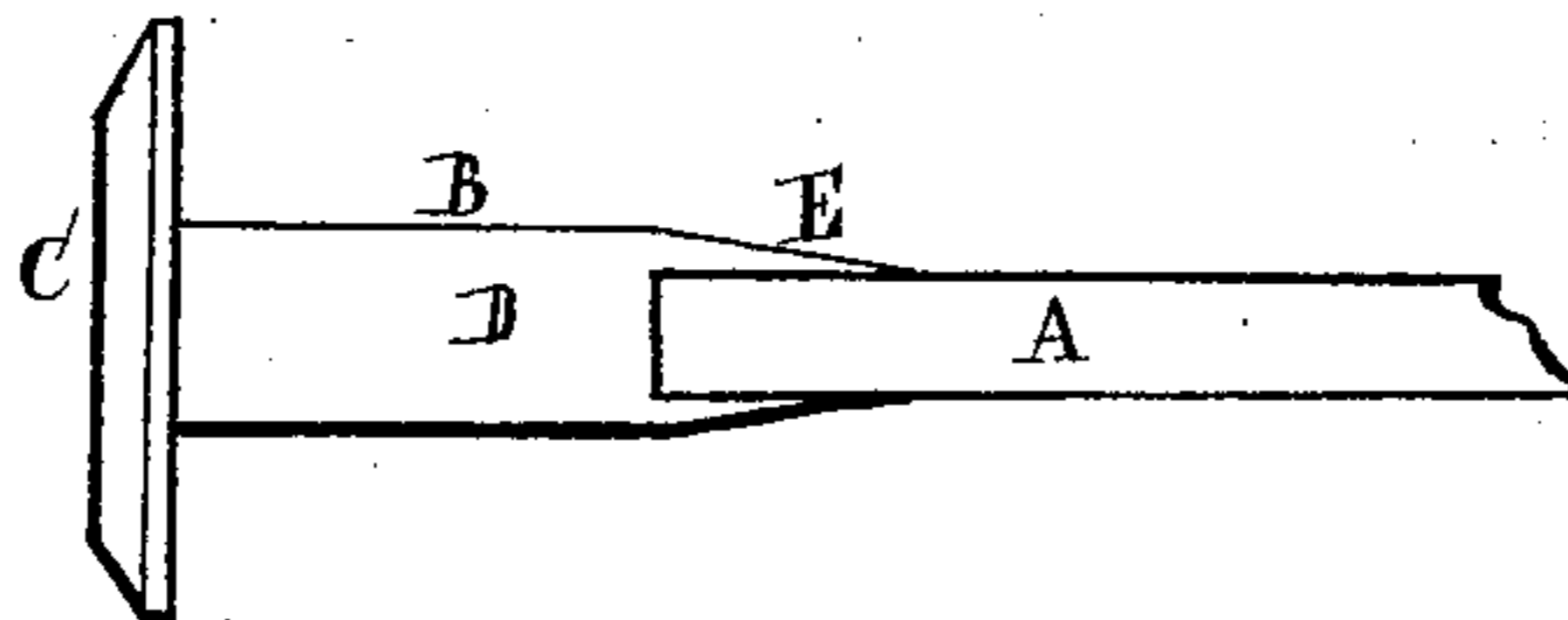
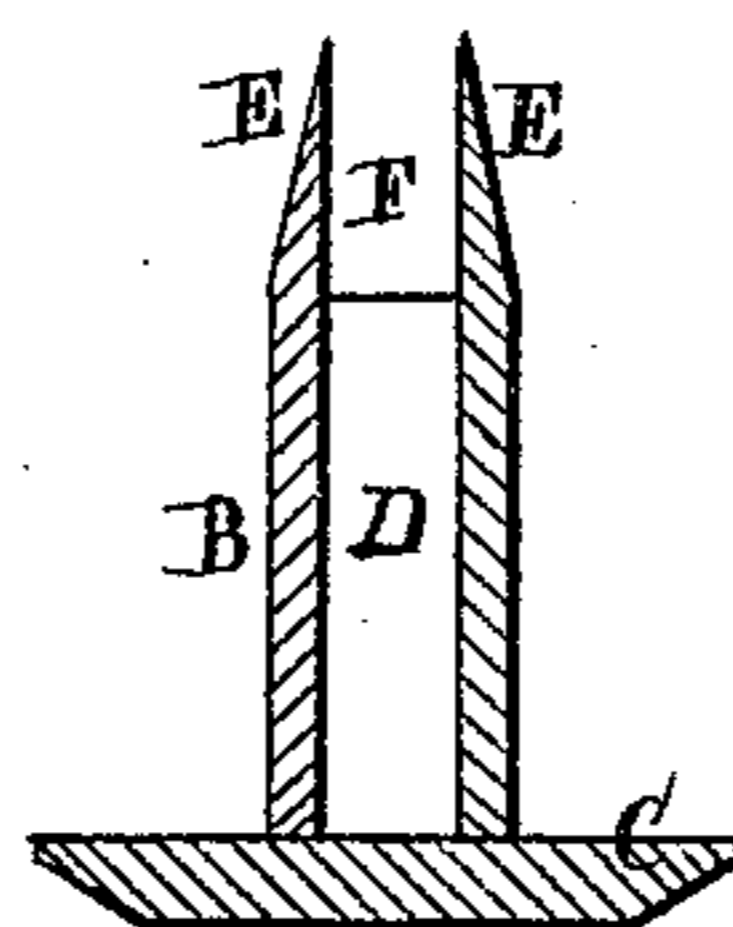


Fig. 3.



Witnesses.

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IMPROVEMENT IN BOARD-MEASURES.

Specification forming part of Letters Patent No. **149,321**, dated April 7, 1874; application filed May 13, 1872.

To all whom it may concern:

Be it known that I, EDWARD T. LUFKIN, of the city of Cleveland and State of Ohio, have invented a certain new and Improved Log and Board Measure, of which the following is a specification:

The invention particularly relates to that class of rules having the rule-stick divided longitudinally into spaces, and each space being appropriated to a different length of lumber, while each space is divided off, the division being marked by numbers indicating the board-measure of a piece of lumber of a width equal to the division represented by such number, and of a length equal to the exponent number of the space. The object of my invention is to make a stronger and more durable rule than those, to my knowledge, hitherto made; and to this end it more particularly relates to the features set forth hereinafter, reference being had also to the drawings forming part of this specification, in which—

Figure 1 is a front view, and Fig. 2 a side view, of my rule, the stick being broken away as indicated by irregular lines. Fig. 3 is a sectional view of the socket-head.

A is the ordinary board-rule stick, divided, as shown in this view, with three longitudinal spaces for lengths of eighteen, twenty, and twenty-two feet. These spaces are also divided into divisions, as shown at 4 4 4, each one giving the width of a space of their respective lengths necessary to make four-feet board-measures. These are the old and ordinary divisions, and it is evident may be improved. This stick A, usually three feet long, is secured at one end to a head composed of a socket, B D, having a flange, C, at right angles thereto and on all sides thereof.

Hitherto this socket and flange have been

made in two separate pieces, the socket consisting simply of two ears united at the base, which ears are equal in width, fitting the stick with the sides remaining open. To these ears the flange was united by brazing and riveting, the complete head thus formed being then fastened to the stick by rivets.

This form is objectionable in many respects, and has many disadvantages, which I have remedied by making my rule-head as follows:

The socket is made solid, with an aperture to receive the stick—that is, both the broad faces and the narrow edges of the stick are protected by metallic sides.

In the drawing, B represents the faces, and D the edges, of the socket. The faces B are carried up a short distance above D, and beveled at their upper edges, as at E, to fit smoothly down upon the wooden stick, while the end of this stick is cut to fit smoothly with the edges D. Thus four sides and the flange C are made of one piece of metal, preferably cast at one time in one mold. Into the head thus constructed the stick A is driven, and secured from coming out by wedging, riveting, or by any other suitable method.

By this means economy and great strength are both secured.

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

The log and board rule consisting of the graduated stick A, provided with the solid head, composed of the socket B D and flange C, made in one piece, substantially as herein set forth.

EDWARD T. LUFKIN.

Witnesses:

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JASON MERRILLS.