

(No Model.)

S. L. BLAISDELL.  
EDUCATIONAL CHART.

No. 557,182.

Patented Mar. 31, 1896.

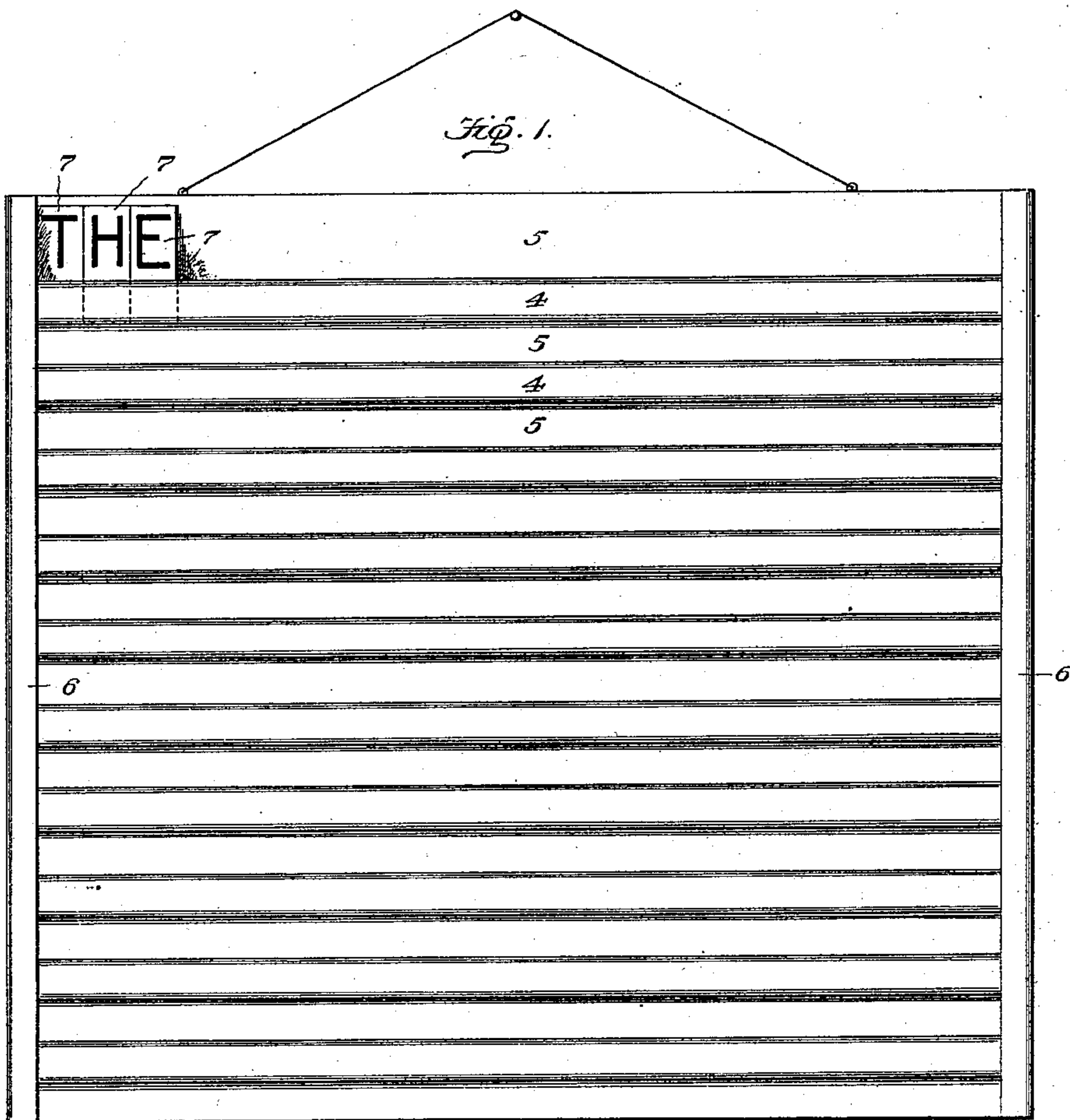


Fig. 2.

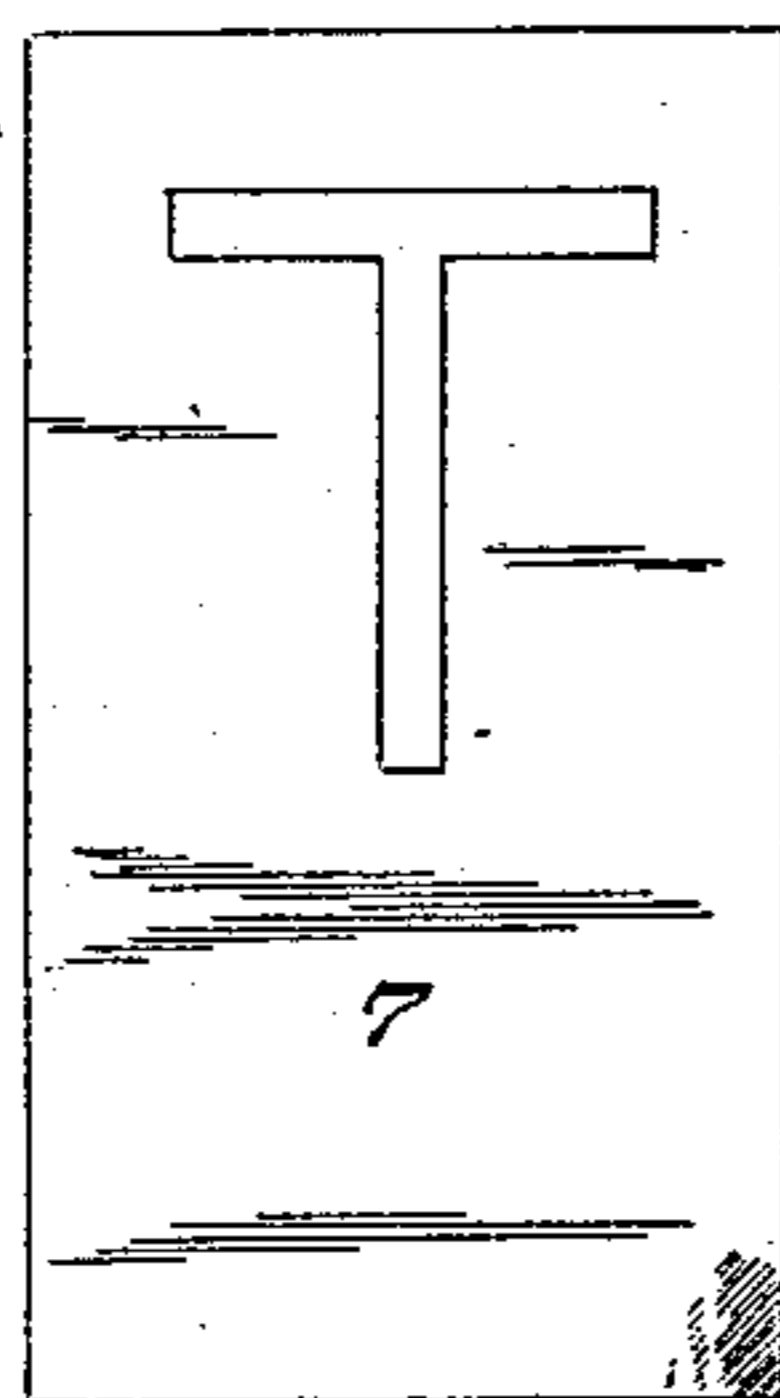
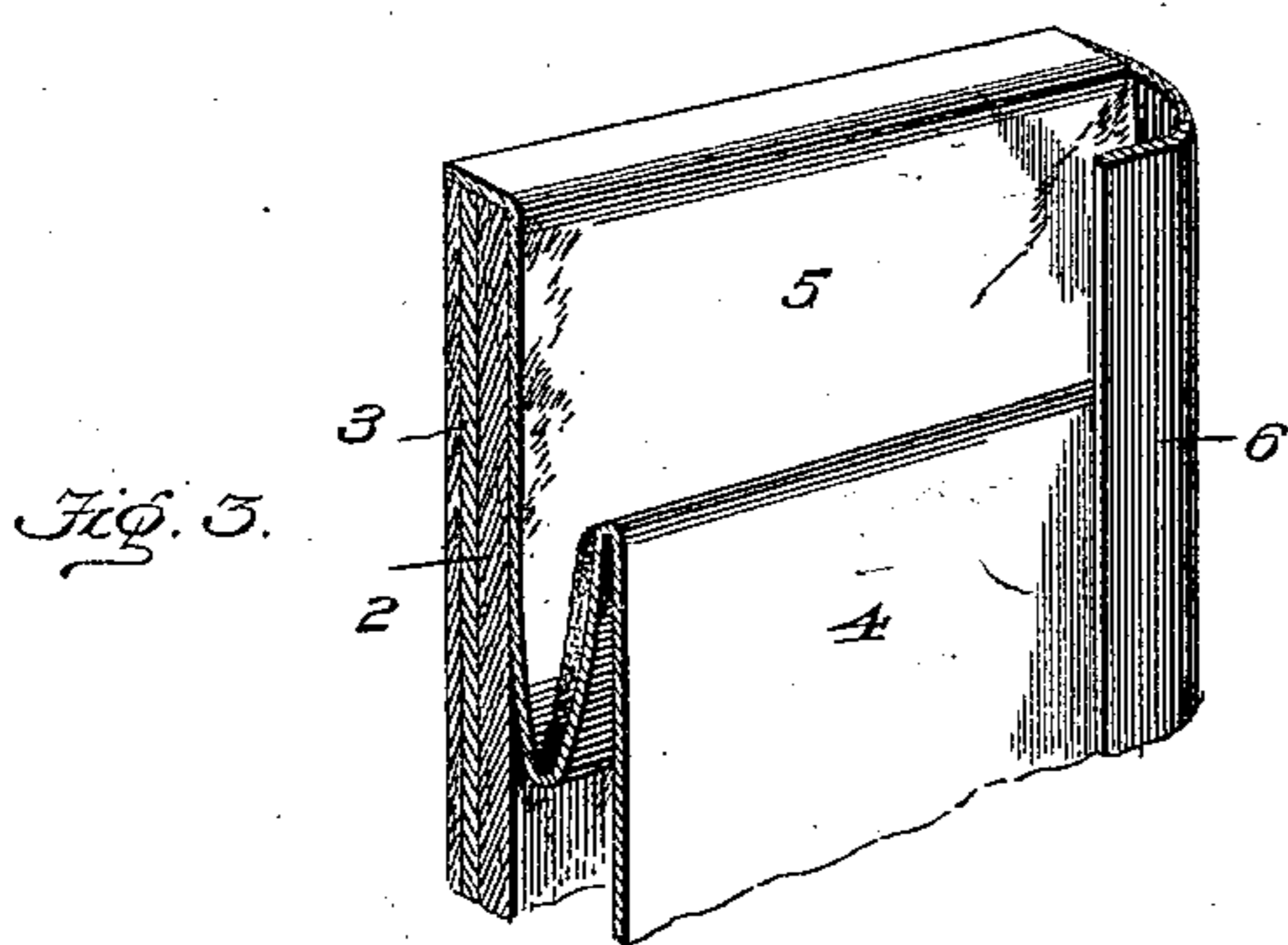
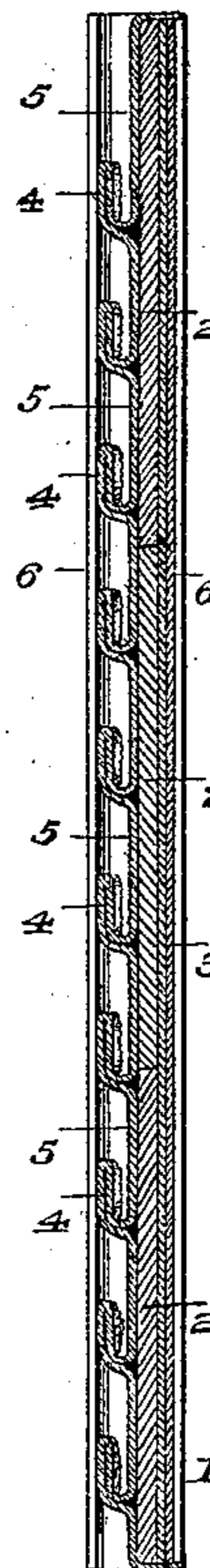


Fig. 3.

Fig. 4.

Witnesses

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# UNITED STATES PATENT OFFICE.

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## EDUCATIONAL CHART.

SPECIFICATION forming part of Letters Patent No. 557,182, dated March 31, 1896.

Application filed June 8, 1896. Serial No. 552,054. (No model.)

*To all whom it may concern:*

Be it known that I, SARAH LILIAN BLAISDELL, a citizen of the United States, residing at Winona, in the county of Winona and State of Minnesota, have invented certain new and useful Improvements in Educational Charts; and I do declare the following to be 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in charts for educational purposes, which can be folded up so as to be readily transported from place to place, and which, when unfolded and in use, is hung upon a wall or other place.

The chart is principally designed for use in primary schools, for teaching reading, and is provided with ways to receive and hold movable and removable cards having letters, numerals, punctuation-marks, or other characters thereon, by means of which words and sentences may be formed and the exercise be exhibited in plain view to the scholars, thus dispensing with the ordinary elementary readers and primers, which are perplexing to young scholars and annoying to teachers.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is an elevation of my improved chart, showing the same as it appears when in use. Fig. 2 is a transverse section of the same on an enlarged scale. Fig. 3 is a detail perspective view showing one of the corners of the chart, and Fig. 4 is an elevation of one of the removable and replaceable cards.

In the said drawings, the numeral 1 designates the base or foundation of the chart, consisting of a number of rectangular sections 2 of stiff or heavy cardboard, hinged together by a strip 3 of muslin, linen, or other suitable material glued to the back thereof, so that said sections may fold upon each other.

Three of these sections are shown in the present instance, but more or less may be employed as found convenient or desirable, and a covering of Manila paper may be glued to the muslin back, if desired.

Upon the face of the chart are a number of horizontal and parallel ways or grooves formed by crimping a piece of stiff and tough paper, such as heavy Manila wrapping-paper, as seen more clearly in Fig. 2, which is accomplished by successively bending and overlapping the paper forming crimps 4 and intervening spaces 5. The inner sides of these crimps have glued or otherwise secured thereto strips of felt, cloth, velveteen, or other similar material having a roughened surface for increasing the frictional contact of the cards, hereinafter described, so as to more securely hold them in position. The piece of crimped paper is glued or otherwise secured to the front of the chart.

The corners of the chart are strengthened by strips of stiff wrapping-paper 6, glued to the crimped paper and to the cloth back. These strips also serve to prevent the cards from being pushed out of the ends of the ways or grooves when inserting other cards.

The numeral 7 designates one of the cards used in connection with the chart, having printed upon its upper portion a letter of the alphabet, a numeral, punctuation-mark, or other character or characters. A number of each of these cards, suitable for all ordinary cases, are contained in a light box divided into as many compartments as there are cards containing different characters.

In using the chart, the exercise to be learned or studied is formed by taking the proper letters and characters to form words and sentences from their compartments in the box and inserting them in the ways in the chart.

An educational chart constructed as above is adaptable to a very wide range of subjects, allowing the studies to be greatly varied, thus rendering teaching less monotonous and also interesting the scholars in their studies. The different cards can be transposed and removed and replaced by others without breaking up a line, and the scholars themselves can set up

the cards with the aid of a written copy, which will stimulate them in their studies and render them less irksome.

Having thus fully described my invention,  
5 what I claim is—

In an educational chart, the combination with the series of sections the textile strip secured to the back thereof and hinging them to each other, the piece of textile or  
10 fibrous material secured to the front thereof formed with a number of horizontal crimps,

the lining of rough textile material on the inner faces of the crimps and the corner-pieces secured to the front and back of the sections, substantially as described.

In testimony whereof I affix my signature  
in presence of two witnesses.

SARAH LILIAN BLAISDELL.

Witnesses:

W. A. FINKELNBURG,  
CHARLES MULLER.