

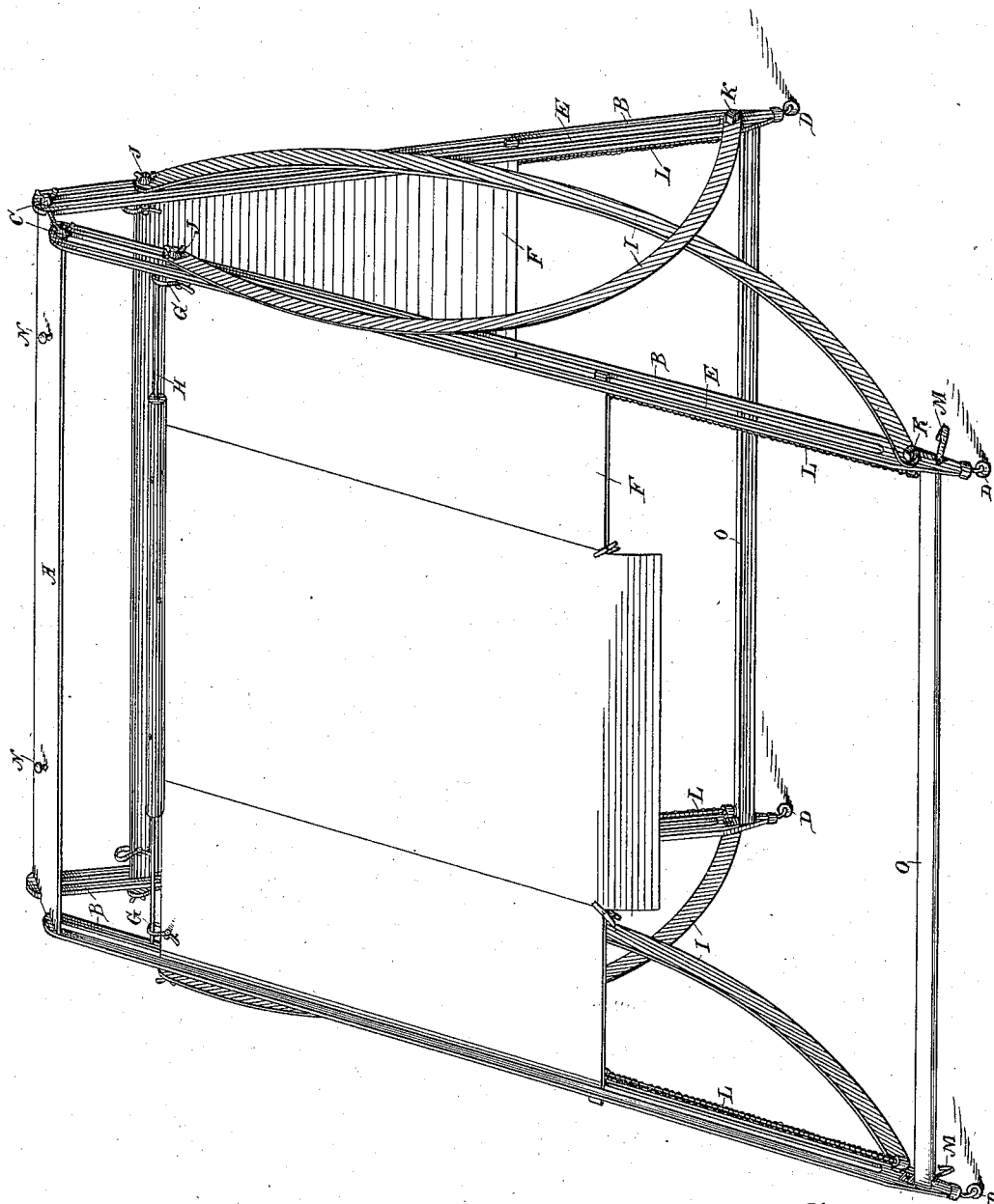
(No Model.)

W. H. LAREW.

ADJUSTABLE MAP AND CHART SUPPORT.

No. 383,818.

Patented May 29, 1888.



Witnesses,  
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# UNITED STATES PATENT OFFICE.

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## ADJUSTABLE MAP AND CHART SUPPORT.

SPECIFICATION forming part of Letters Patent No. 383,813, dated May 29, 1888.

Application filed November 19, 1887. Serial No. 253,672. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. LAREW, of Mariposa, Mariposa county, State of California, have invented an Improvement in Adjustable Map and Chart Supports; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to an apparatus which is especially useful for schools and similar purposes; and it consists of an adjustable frame and board, serving as a map and chart support, which will be more fully explained by reference to the accompanying drawing, in which the figure is a perspective view of the device.

My invention has its principal use in schools where children are to be instructed from blackboards, maps, or charts, which, being of suitable size, would leave the work at varying distances from the eyes if they were suspended at a fixed point. By this use of an adjustable supporting device the different portions of the map, chart, or board may be successively brought into the proper position for an easy and convenient inspection.

A is the top plate, which may be made of thin steel or other metal or suitable material, having projecting pins at the ends of each of the corners to receive the legs B, these legs being slotted so that the pins pass through the slots, and they may be secured by nuts C, which screw upon threads formed upon the pins, so that the legs may be made to stand at any desired spread or angle to support the device in proper position. At the foot these legs have casters D, upon which the apparatus may be easily moved from place to place. The legs B have long slots E, made from the upper end nearly to the bottom, and a thin board or veneer, F, has its ends fitted to pass through the slots of the two legs upon one side of the apparatus, so that the whole board may slide up or down, as desired. The surface of this board may, preferably, be blackened, so as to be used as a blackboard, and also serve as a support for maps, charts, or sheets, which it may be desired to exhibit. These are held either by clasps, as shown at G; or, if in the form of folded sheets, they may hang over a rod, H, which extends from end to end above the upper edge of the board. Various other devices

may be employed for this purpose, and in order to prevent the map, chart, or sheet from being blown or swung about by the wind, the lower edge may also be fastened by a clasp or suitable device to the bottom of the board, so that it may be retained flat and steady in its place. If the map be very large, it may be supported by a cord passing around knobs N upon the top plate, A.

In order to raise or lower the board or chart support, connecting rods or links I extend from the upper projecting pin or end, J, of the board, which extends through the slot E in the leg B to the opposite leg upon the same end, where it is secured by a nut or other fastening, as shown at K, there being a link of this kind for each board and at each end of the apparatus.

The operation will then be as follows: If it is desired to depress the board and whatever may be supported upon it, it is done by simply spreading the legs B apart, when the board will be drawn down by the connecting links at its opposite ends until the proper height is reached. If it is desired to raise the board and the map or chart, it is done by simply closing the legs together, when the action of the links or rods I will force the board up to the desired height. In order to relieve the apparatus of some of the weight of the board, I have fixed spiral or other springs, L, so that they will act against the lower edge of the board, and when the board is drawn down these springs will be compressed and the weight of the board will rest upon the springs, so that when it is desired to again raise it the effort of closing the legs together will be assisted by the action of the spring, and the board may be easily raised.

When it is desired to transport the apparatus, or when the work is done, the charts or maps are simply folded over, so as to hang down inside and between the two oppositely-facing boards, and the legs being brought close together the maps will be protected between the two boards, the legs being held in place by hooks or clasps.

A thin light trough, O, extends between the legs below the board and serves to contain pencils, brushes, chalk, or any like materials necessary in the work.

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

- 5 1. The frame consisting of the top, the slotted diverging legs, and the boards extending through the slots in the legs upon each side, in combination with the diagonal connecting-rods I, substantially as and for the purpose herein described.
- 10 2. The map or chart support consisting of the boards extending through the slotted diverging legs of a frame, and having the con-

necting links or rods by which they are raised and depressed by the spreading or closing of the legs, and the clamps or holders for the 15 maps or charts, substantially as herein described.

In witness whereof I have hereunto set my hand.

WILLIAM H. LAREW.

Witnesses:

S. H. NOURSE,  
H. C. LEE.