(No Model.)

A. S. CLOUGH.

COMBINED TABLE, BLACKBOARD, AND MOLDING BOARD FOR MAKING RELIEF MAPS, &c.

No. 339,741. Patented Apr. 13, 1886.

Fig. I.

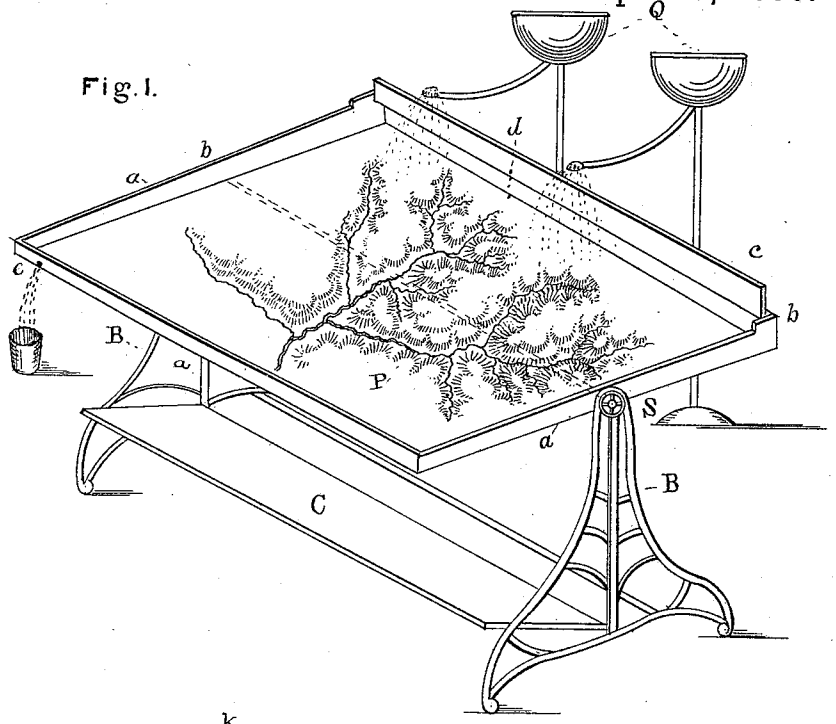


Fig. II.

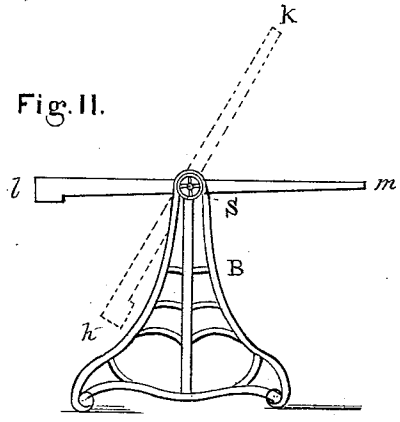
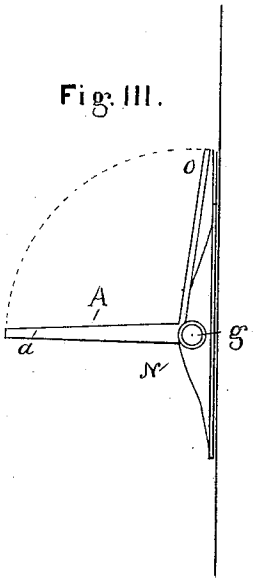


Fig. III.



Witnesses

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UNITED STATES PATENT OFFICE.

AARON S. CLOUGH, OF MEREDITH, NEW HAMPSHIRE.

COMBINED TABLE, BLACKBOARD, AND MOLDING-BOARD FOR MAKING RELIEF-MAPS, &c.

SPECIFICATION forming part of Letters Patent No. 339,741, dated April 13, 1886.

Application filed September 21, 1885. Serial No. 177,784. (No model.)

To all whom it may concern:

Be it known that I, AARON S. CLOUGH, a citizen of the United States, residing at Meredith, in the county of Belknap and State of New Hampshire, have invented certain new and useful Improvements in a Combined Table, Blackboard, and Molding-Board for Making Relief-Maps; 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 letters and figures of reference marked thereon, which form a part of this specification.

My invention consists of an improved combined table, blackboard, and molding-board for making relief-maps of sand, fine gravel, or any plastic material, to be used for teaching geography in schools or illustrating the topography of the country.

Figure I is a perspective view of my improved combined table, blackboard, and molding-board. Fig. II is an end view of the same, turned so as to form a table or blackboard. Fig. III is an end view of the same hung on brackets against the wall.

My improved combined table, blackboard, and molding-board consists of a square tray, A, of any size desired, with raised sides *a a a*, a pocket or sand-receptacle formed at the rear side or end, *b*, by covering the top to the width of a few inches and attaching thereto a hinged lid, *c*, which fastens to the bottom of the tray A at the point *d*. This tray A and pocket *b*, when constructed of wood, are lined with metal and made water-tight. At the front left-hand corner of the tray A is a spigot, *e*. This tray A is hung between two standards, B B, by means of a rod, *f*, passing through the board or material forming the bottom of the tray A, and one end of which rod *f*, where it passes through the standard B, is a small clamp-wheel, *g*, by which the tray A may be held at any inclination. A pupil's seat, C, may be placed between the standards B B at a proper distance below the tray A. The back of the tray A is painted or colored black, and when the molding-board is not used for molding relief-maps, and the sand is dumped into the pocket *b*, may be turned up and used as a blackboard, as in Fig. II, *h k*, or as a table, in Fig. II, *l m*.

Fig. III is a view of my combined table, blackboard, and molding-board similarly hung to the wall on brackets N, the top of the entire tray A having a lid, *o*, like a desk-lid, by means of lowering which it may be used as a table or desk, and by raising the tray A to the position occupied by the open lid *o*, in Fig III, it may be used as a blackboard.

When a relief-map, P, is molded in the tray A with sand or other material, a light shower or fine spray of water from a fountain, Q, or other similar device is thrown thereon for the purpose of forming lakes, bays, streams, &c.

When it is desired to use the molding-board as a table or a blackboard, as heretofore described, the water is drawn off at the spigot *e* into any kind of a receptacle, the tray unclamped by the wheel *g*, and elevated so as to dump the sand or other material into the pocket *b*, and the lid closed and fastened at the point *d*.

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

A combined table, blackboard, and molding-board for making relief-maps, having a pocket, *b*, with a lid, *c*, and a spigot, *e*, in combination with the rod *f*, clamp-wheel *g*, and standards B B, substantially as and for the purposes set forth.

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

AARON S. CLOUGH.

Witnesses:
JOHN S. ROBERTS.
S. A. LADD.