E. K. HOPKINS.

BLACKBOARD.

APPLICATION FILED JAN. 7, 1914.

1,099,748.

Patented June 9, 1914.

2 SHEETS—SHEET 1.

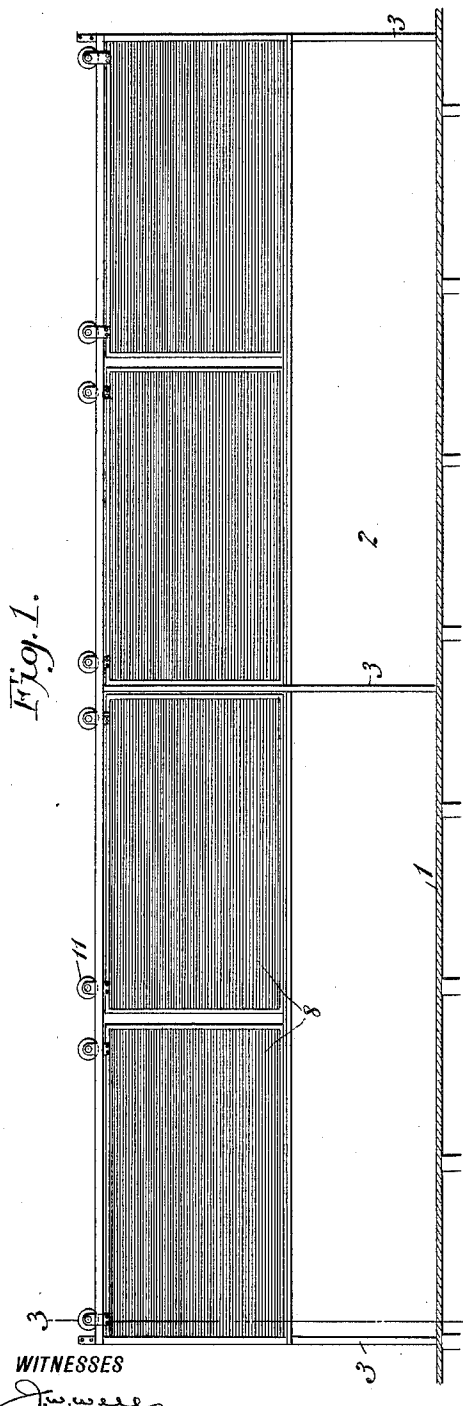


Fig. 1.

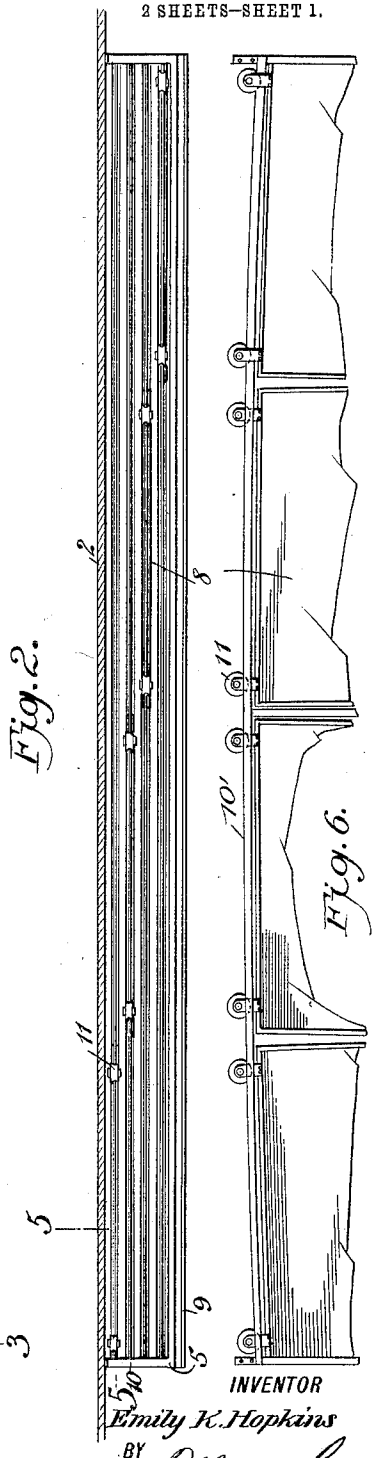


Fig. 2.

Fig. 6.

WITNESSES

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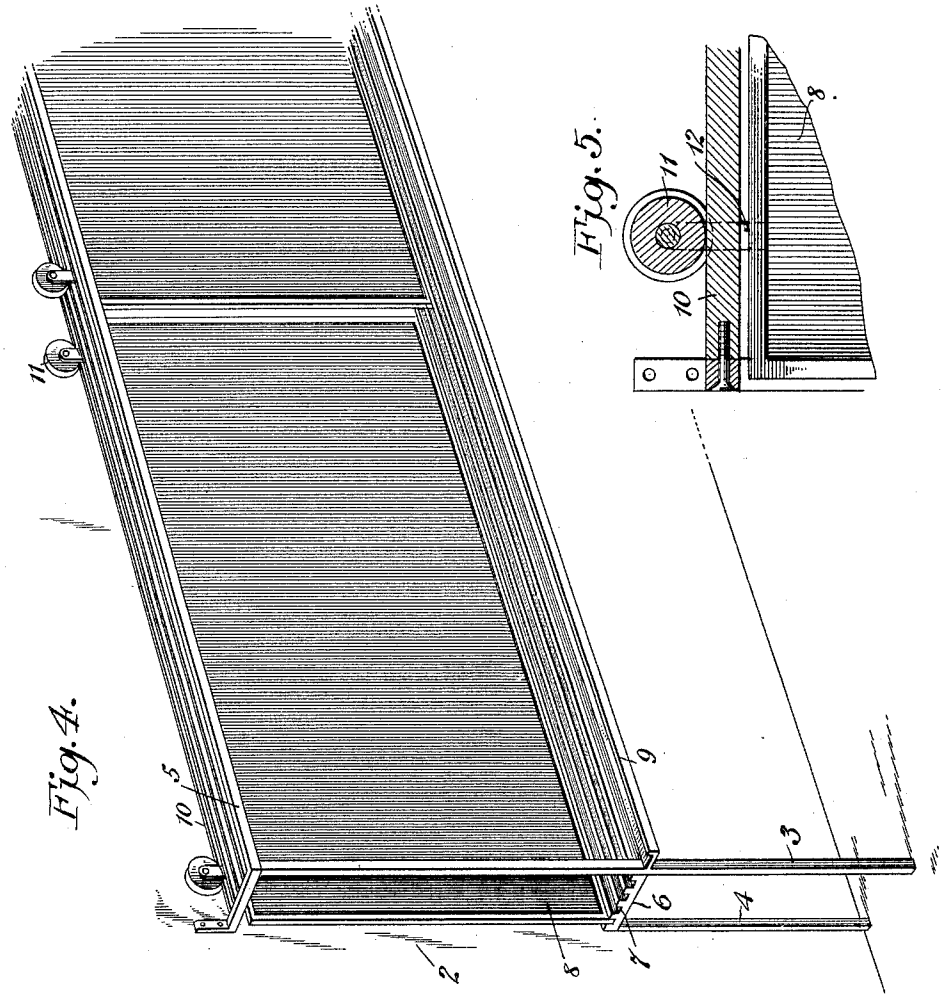


Fig. 4.

Fig. 5.

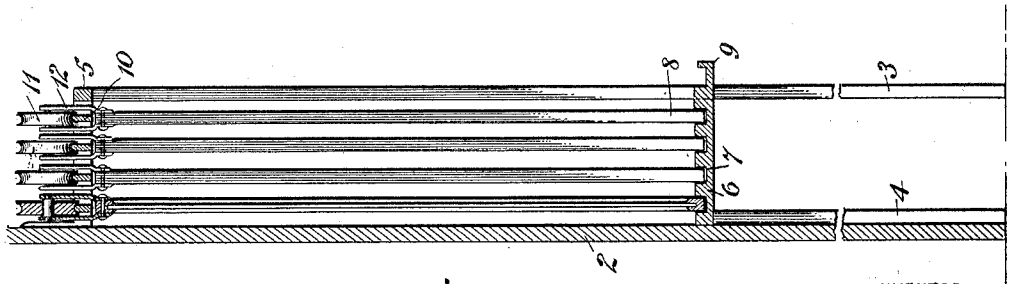


Fig. 3.

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BLACKBOARD.

1,099,748. Specification of Letters Patent. Patented June 9, 1914.

Application filed January 7, 1914. Serial No. 810,765.

To all whom it may concern:

Be it known that I, EMILY K. HOPKINS, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and Improved Blackboard, of which the following is a full, clear, and exact description.

This invention relates to improvements in blackboards, and has for an object to provide a board readily mounted adjacent any wall or other support.

A further object of the invention is to provide a blackboard with movable sections, said sections being designed to be nested, one in front of the other, whenever desired.

A still further object of the invention is to provide a blackboard structure with a plurality of supporting rails at the upper part and co-acting guiding members at the lower part, together with a board or section for each rail carrying traction means engaging the upper rails so that the various sections may be moved to occupy different positions in relation to each other.

In carrying out the object of the invention a framework is provided which is constructed with a lower guiding portion and a plurality of upper rails. These upper rails are arranged parallel, and are adapted to receive rollers or traction means which hold suspended various blackboard sections, whereby any of the sections may be moved back and forth longitudinally of the rails. By this construction and arrangement any particular section except the section on the front rail may be hid or covered by one or more other sections.

In the accompanying drawings—Figure 1 is a front view of an embodiment of the invention, a section of flooring being shown in connection therewith; Fig. 2 is a top plan view of the structure shown in Fig. 1, a supporting wall or member being shown in connection therewith; Fig. 3 is a section through Fig. 1 on line 3—3; Fig. 4 is a fragmentary perspective view of the structure shown in Fig. 1; Fig. 5 is a detailed fragmentary sectional view through Fig. 2 on line 5—5. Fig. 6 is a fragmentary side view of a slightly modified form of the invention.

Referring to the accompanying drawings by numeral 1 indicates the floor of a room and 2 the wall thereof. It is evident that the blackboard embodying the invention could be arranged against any suitable support, and also on any suitable support in addition to the floor. Resting on floor 1 are supporting legs 3 and 4, legs 3 preferably extending to the top frame 5, while legs 4 extend preferably only to the bottom member 6. The bottom member 6 is provided with a plurality of grooves 7 for guiding the blackboard sections 8. Arranged at the front of the member 6, or at any point adjacent thereto, is a support 9 for crayon, erasers, and the like. The frame 5 is preferably rigidly secured to the legs 3 and has secured thereto a plurality of tracks 10. The tracks 10 are preferably rounded on the upper surface so as to receive the respective rollers 11, which rollers are provided with supporting frames 12, riveted, bolted, or otherwise secured to the respective blackboard sections 8.

Each section 8 is preferably provided with two rollers 11, but it will be evident that a greater or even a less number may be used, if desired, without departing from the spirit of the invention. The rails 10 are separated preferably only a sufficient distance to allow the various sections 8, together with their supporting wheels 11 and frames 12, to pass, whereby the various sections may be nested at one point on frame 5, or may be properly distributed along frame 5, as shown in Figs. 1 and 2, so as to present a blackboard for the full length of frame 5. This is very desirable as in school rooms and elsewhere it is often necessary to place some matter on part of the board and then cover such matter. When using the present invention any desired matter may be placed upon any particular section 8 and then one of the other sections moved in front of the same except the front section, whereby such matter will be hidden from view and the remaining part of the blackboard may be used in the usual way, or in any desired manner. Also, by the use of movable sections any particular section may be moved to a point where the light is good so that all of the pupils in the school room may easily see the same.

In Fig. 6 a slightly modified form of the invention is shown in which the rails 10′ are slightly bowed so as to prevent any sagging. The bowing of the rails shown in Fig. 6 is somewhat exaggerated as prefer-

ably the rails are bowed only slightly so as to overcome any tendency to bow downwardly.

What I claim is—

1. In a blackboard of the character described, a frame provided with longitudinal guideways, a plurality of blackboard sections with their lower edge in certain of said guideways, and supporting means arranged at the top of the blackboard engaging other of said guideways for supporting from above said sections, each of said blackboard sections being arranged in a different vertical plane to the length of each section being a multiple of the length of the frame, whereby said sections may be nested or extended so as to display at one time the entire surface of all of the sections.

2. In a blackboard of the character described, a frame provided with longitudinal guiding members near the lower part thereof, longitudinal supporting and guiding members near the top, a blackboard section for each of the guiding members at the bottom, and a carriage connected to each of said sections engaging the respective guiding and supporting members at the top of said frame, whereby each of said sections may be moved longitudinally of said frame to any desired extent within the limits of the frame, said guiding members at the top and at the bottom being arranged in different vertical planes, and the length of each blackboard section being a multiple of the length of the frame, whereby the entire surfaces of all of said sections may be displayed at one time.

3. In a blackboard of the character described, a frame comprising supporting legs, a bracket at the upper part of said frame for connecting the frame with a lateral support, a guiding member arranged near the bottom of said frame formed with parallel longitudinally arranged grooves extending for the full length of said frame, a guiding and supporting bar arranged above each of said grooves, a blackboard frame arranged in each of said grooves and beneath the respective supporting and guiding bars, and carriages connected with the upper part of said blackboard sections, said carriages engaging the respective supporting and guiding bars, whereby the blackboard sections are supported from above, and are guided in their movement at the bottom, each of said blackboard sections being arranged in a different plane, the length of each of said blackboard sections being a multiple of the length of said frame whereby said sections may be nested or extended so as to display at one time the entire surfaces of all of the sections.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EMILY KATE HOPKINS.

Witnesses:
ROBERT W. HOPKINS,
EDGAR B. MARTIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."