

April 22, 1924.

1,491,699

Y. C. HAMILTON

COMBINATION BLACKBOARD, DESK, AND CABINET

Filed Feb. 20, 1923

3 Sheets-Sheet 1

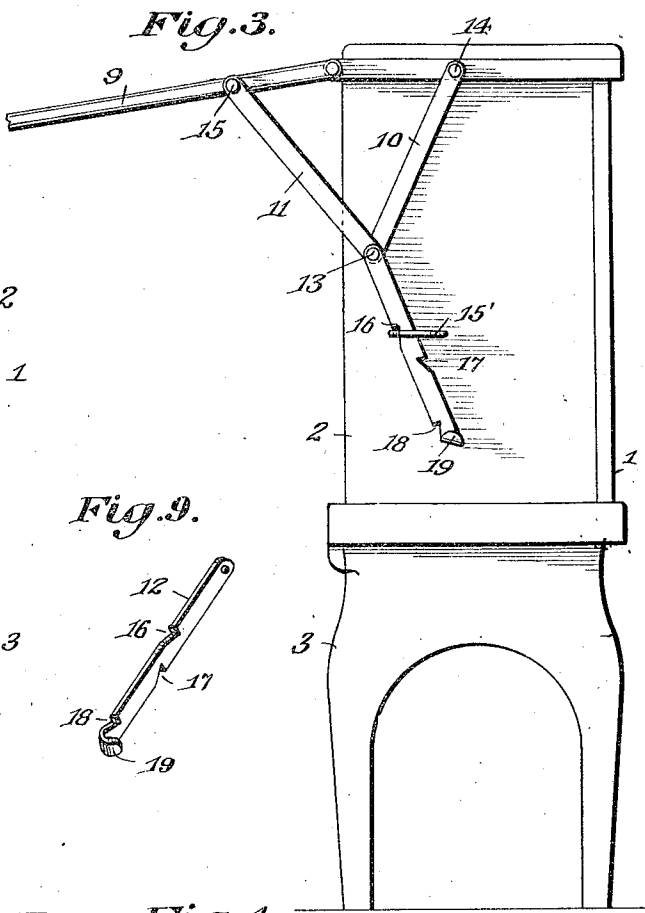
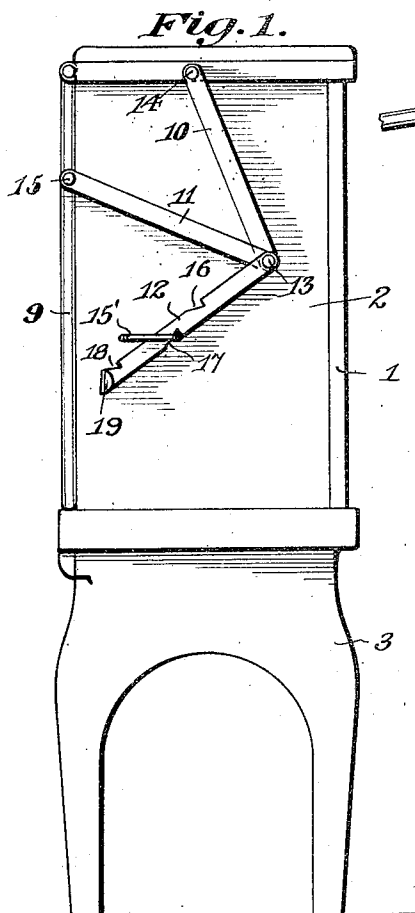
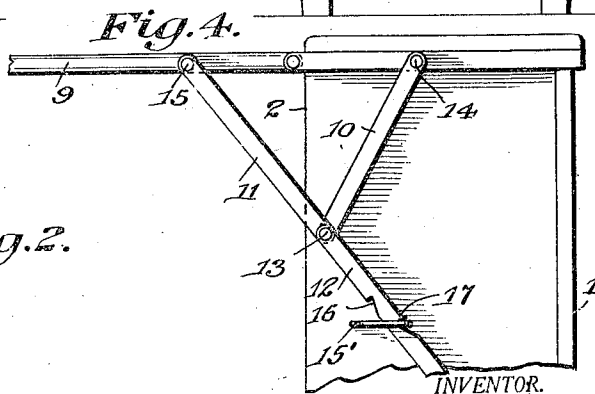
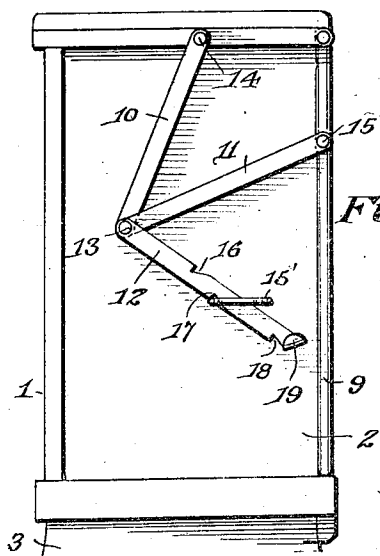
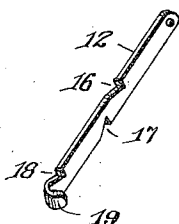


Fig. 9.



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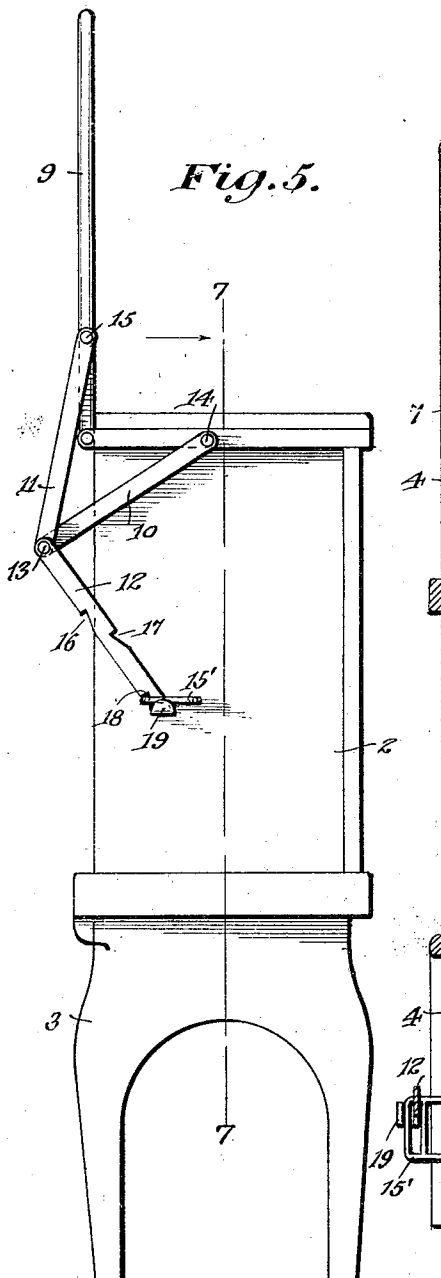


Fig. 5.

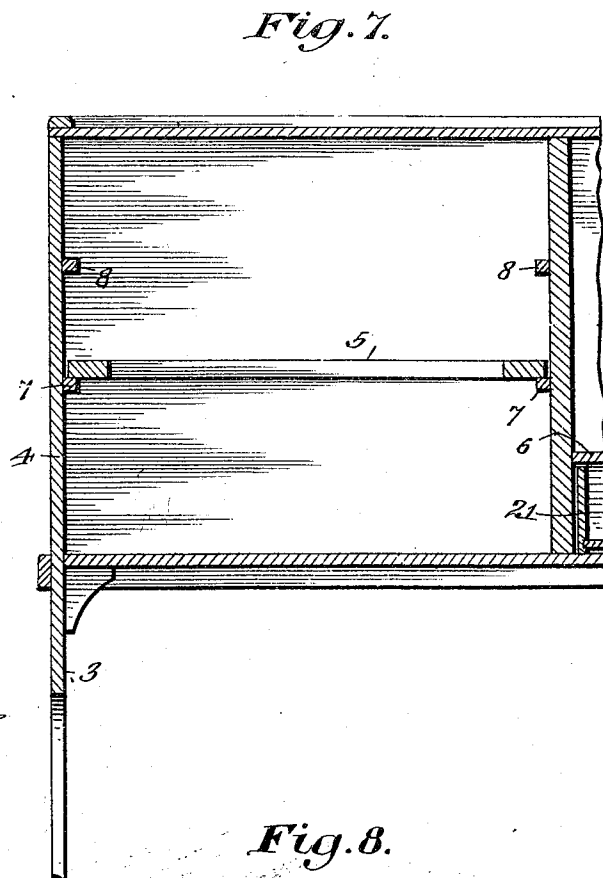


Fig. 7.

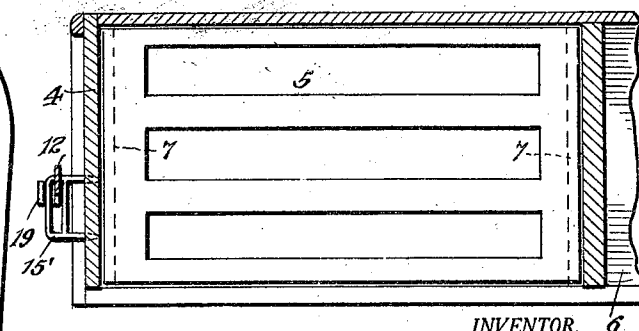


Fig. 8.

Fig. 10.



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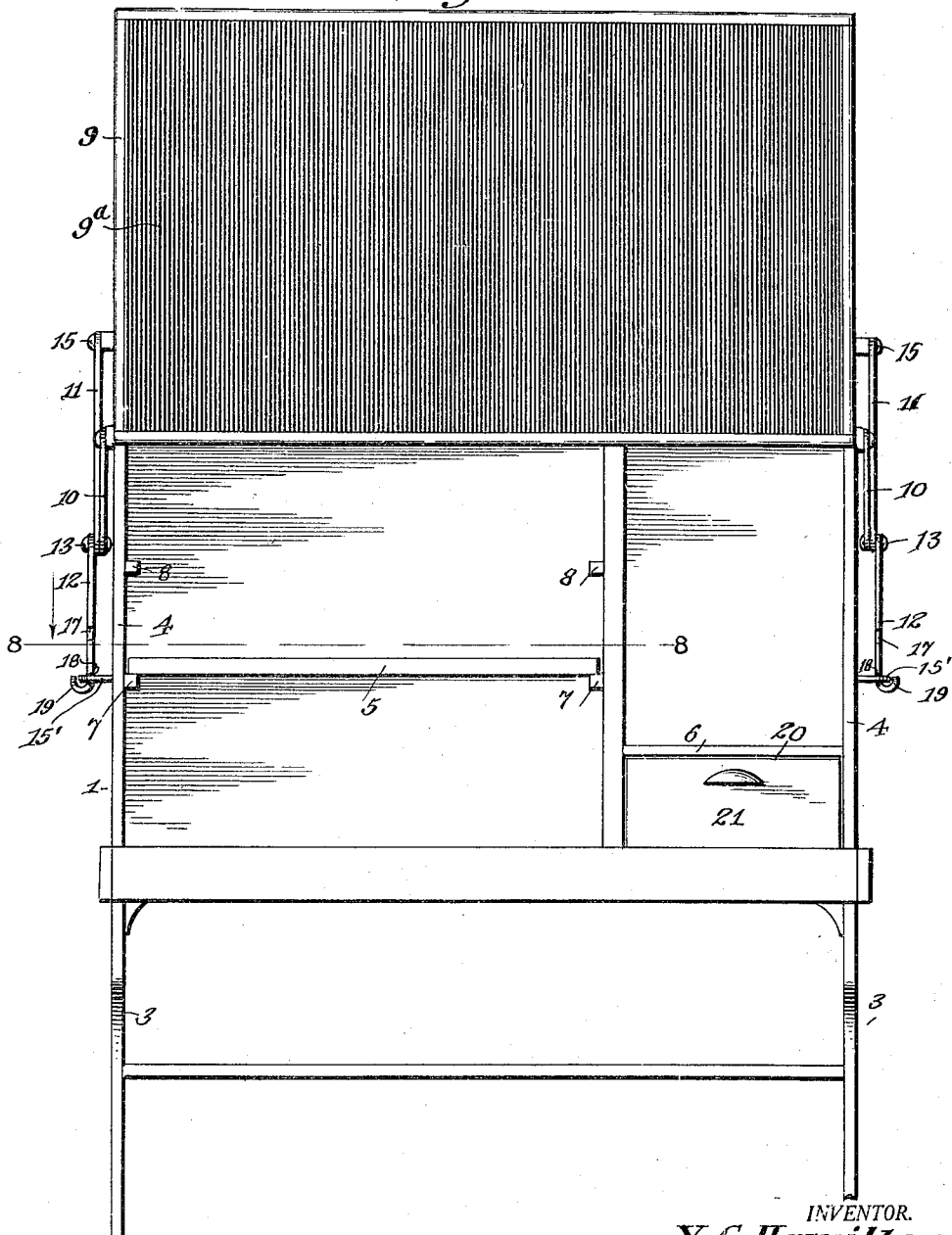
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Fig. 6.



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UNITED STATES PATENT OFFICE.

YOUNG CHARLES HAMILTON, OF SULPHUR SPRINGS, TEXAS.

COMBINATION BLACKBOARD, DESK, AND CABINET.

Application filed February 20, 1923. Serial No. 620,254.

To all whom it may concern:

Be it known that I, YOUNG CHARLES HAMILTON, a citizen of the United States, residing at Sulphur Springs, in the county of Hopkins and State of Texas, have invented certain new and useful Improvements in Combination Blackboards, Desks, and Cabinets, of which the following is a specification.

This invention has reference to combined blackboards, desks and cabinets, and its object is to provide in a single instrumentality an apparatus which may be used, particularly by a child, for educational and other useful purposes and providing a structure which may be collapsed into small compass or spread out into a large area for use as a desk, or a cabinet, or extended into a form permitting the apparatus to be used as a blackboard.

The structure is particularly useful in a household where it may be employed as a writing desk or cabinet with means for the storage of writing material and the use of the holding parts of the device for various writing materials, or for the storage of books or the like, or the storage of stationary, or the conversion of the device into a blackboard with which a child may be taught writing, drawing and the like.

The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawings, forming part of this specification, with the understanding that the invention is not confined to any strict conformity to the showing of the drawings, but may be changed and modified so long as such changes and modifications mark no material departure from the salient features of the invention as expressed in the appended claims.

In the drawings:—

Figure 1 is a side elevation of the structure in the closed position.

Fig. 2 is a side elevation of the structure of Fig. 1 as viewed from the other side thereof.

Fig. 3 is a side elevation with the desk portion of the structure extended for use at the usual writing angle.

Fig. 4 is a view similar to Fig. 3, showing the top portion of the desk structure extended substantially level.

Fig. 5 is a side elevation of the structure

with the blackboard extended substantially vertical.

Fig. 6 is a face view of the structure shown in Fig. 5 with the blackboard portion of the structure substantially vertical.

Fig. 7 is a section on the line 7—7 of Fig. 5.

Fig. 8 is a section on the line 8—8 of Fig. 6.

Fig. 9 is a perspective view of one of the braces employed.

Fig. 10 is a cross section to a shelf used in the structure.

Referring to the drawings, there is shown a cabinet 1, provided with a body portion 2 of generally rectangular conformation and supported upon legs 3 so that the body portion is elevated to a suitable extent.

The body portion 2 is divided by means of vertical partitions 4 and horizontal shelves 5, 6, into suitable compartments for the storage of writing materials, books, etc.

The shelf 5 is supported on its ends within the body portion 2 of the cabinet by sets of cleats 7, 8, so as to be supported at different heights, while the shelf 5 is made of skeleton form as indicated.

The front of the body portion 2 is provided with a cover 9 in the form of a panel coextensive with the front of the cabinet and supported at each end by a link structure formed of bars 10, 11 and 12, there being two such structures for the cabinet at opposite ends thereof.

The three bars 10, 11 and 12 are connected together at one end by a pivot pin 13. The bars 10 are each connected at the other end remote from the pivot 13 by another pivot 14 to the top member of the cabinet, while the bar 11 at the end remote from the pivot 13 is connected by a pivot 15 to one side edge of the cover 9.

The bar 12 at each end of the cabinet is connected to the side member of the body remote from the pin 13 through one end of the link 12 which passes through a loop 15 secured to the side of the body member 2 at each end thereof.

Each link 12 is provided with a series of notches 16, 17 and 18, which will catch in the link 15 and so hold the connected series of links in different positions to cause the closure of the cover 9 or the elevation of the cover 9 to substantially upright position.

The link supports for the blackboard are

capable of holding the cover member 9 in the closed position or in different inclined positions as indicated in Figs. 3 and 4, or in an upright or vertical position as indicated in Fig. 5, in each of which positions the cover member 9 is locked, while in the upright position shown in Fig. 5, the exposed face of the cover member 9 is covered with a blackboard composition 9^a.

10 The lower end of the link 12 has a return portion 19 forming a hook or return portion engaging the loop or link 15 so as to limit the movement of the bar 12 and by it the raising of the cover member 9 to or just beyond the upright position.

15 The shelf 6 covers a compartment 20 in which may fit a drawer 21 to contain various articles such as chalk or pencils or the like which will aid a child in using the invention.

20 What is claimed is:—

1. A combined cabinet, desk and blackboard, comprising a cabinet structure with a blackboard constituting a closure for the cabinet and hinged to one edge thereof and provided with a system of links having a common pivot connection with the ends remote from the common pivot connection connected respectively to the top of the cabinet, to the blackboard cover, and to the cabinet at a low point.

2. A combined cabinet, desk and blackboard, comprising a cabinet structure with a blackboard constituting a closure for the cabinet and hinged to one edge thereof and provided with a system of links having a common pivot connection with the ends remote from the common pivot connection connected respectively to the top of the cabinet, to the blackboard cover, and to the cabinet at a low point, said last named connection being a sliding connection through a loop carried by the cabinet.

3. An educational cabinet device comprising a body member, a hinged cover therefor, and connected links for the cover comprising a tri-pod series of links for each end of the cover with the links of each tri-pod series having a common pivot connection, one of

the links pivoted to the top of the cabinet, another link pivoted at the end remote from the common pivot to the hinged cover, and still another link having slidable locking connections with the cabinet.

4. A combined cabinet device comprising a body member, a hinged cover therefor, and two series of links for controlling the opening and closing of the cover, the links of each series having a common pivot connection therebetween at their inner ends, and one of the links of each series at its outer end being individually connected to the cover and the outer ends of the other links of the series individually connected to the body member.

5. A combined cabinet device comprising a body member, a hinged cover therefor, and two series of links for controlling the opening and closing of the cover, the links of each series having a common pivot connection therebetween at their inner ends, and one of each of the links of each series at its outer end being individually connected to the cover and the outer ends of the other links of the series individually connected to the body member, certain of said individual connections being pivotal and the other sliding.

6. A combined cabinet device comprising a body member, a hinged cover therefor, two series of links for controlling the opening and closing of the cover, the links of each series being three in number, a common pivot for the links of each series at one end thereof, means for pivotally connecting two of the links of each series one to the body member and the other to the cover, the remaining link of each series provided with notches, and a pair of loops connected to the body member, said loops providing for sliding connection between the notched links and the body member, and the notches of said links in connection with said loops limiting the sliding movement in one direction of the notched links.

In testimony whereof, I affix my signature hereto.

YOUNG CHARLES HAMILTON.