S. H. FANNING.

COMBINED DESK AND MAP CABINET.

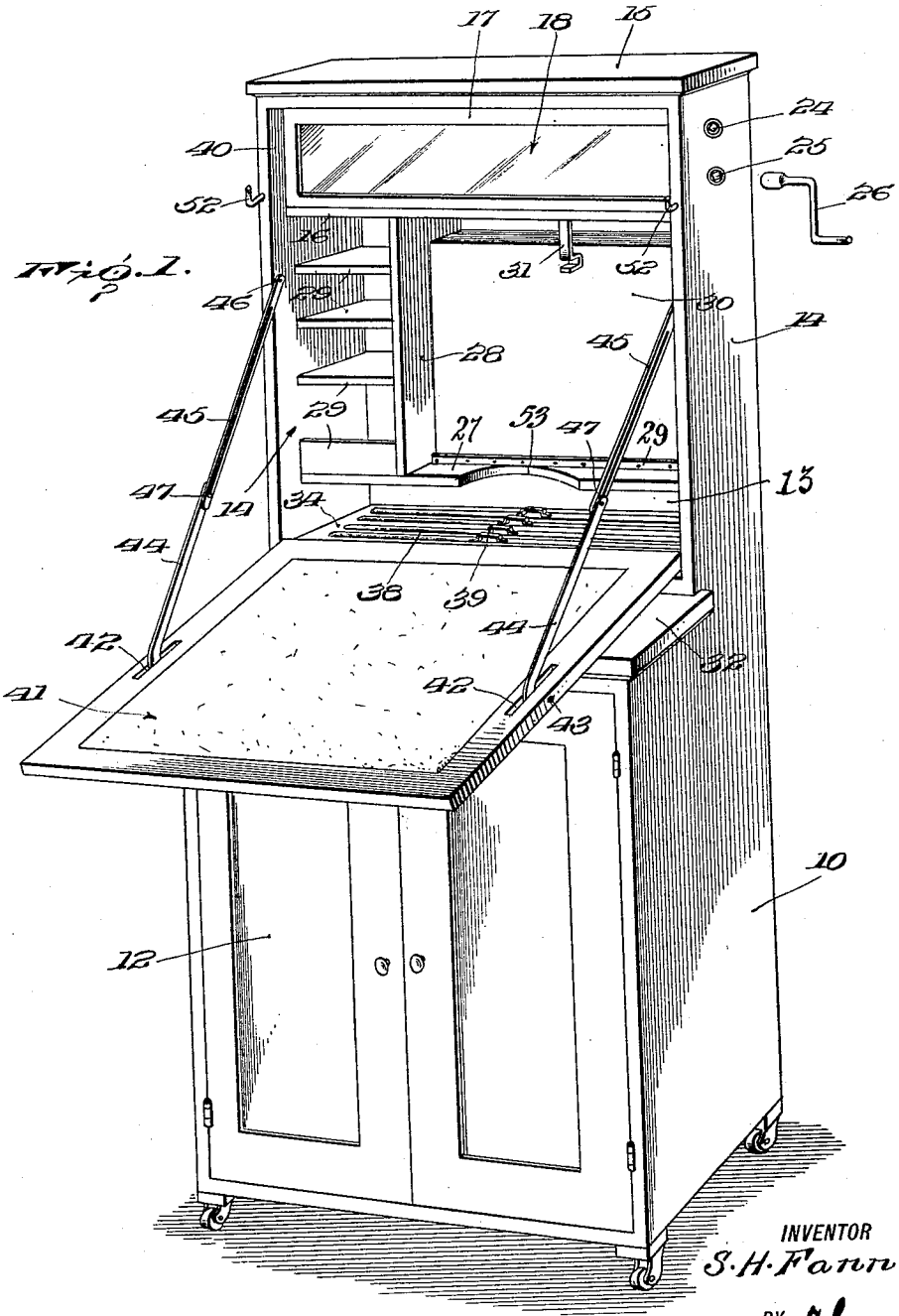
APPLICATION FILED MAY 22, 1917.

1,272,645.

Patented July 16, 1918.

2 SHEETS—SHEET 1.

Fig. 1.



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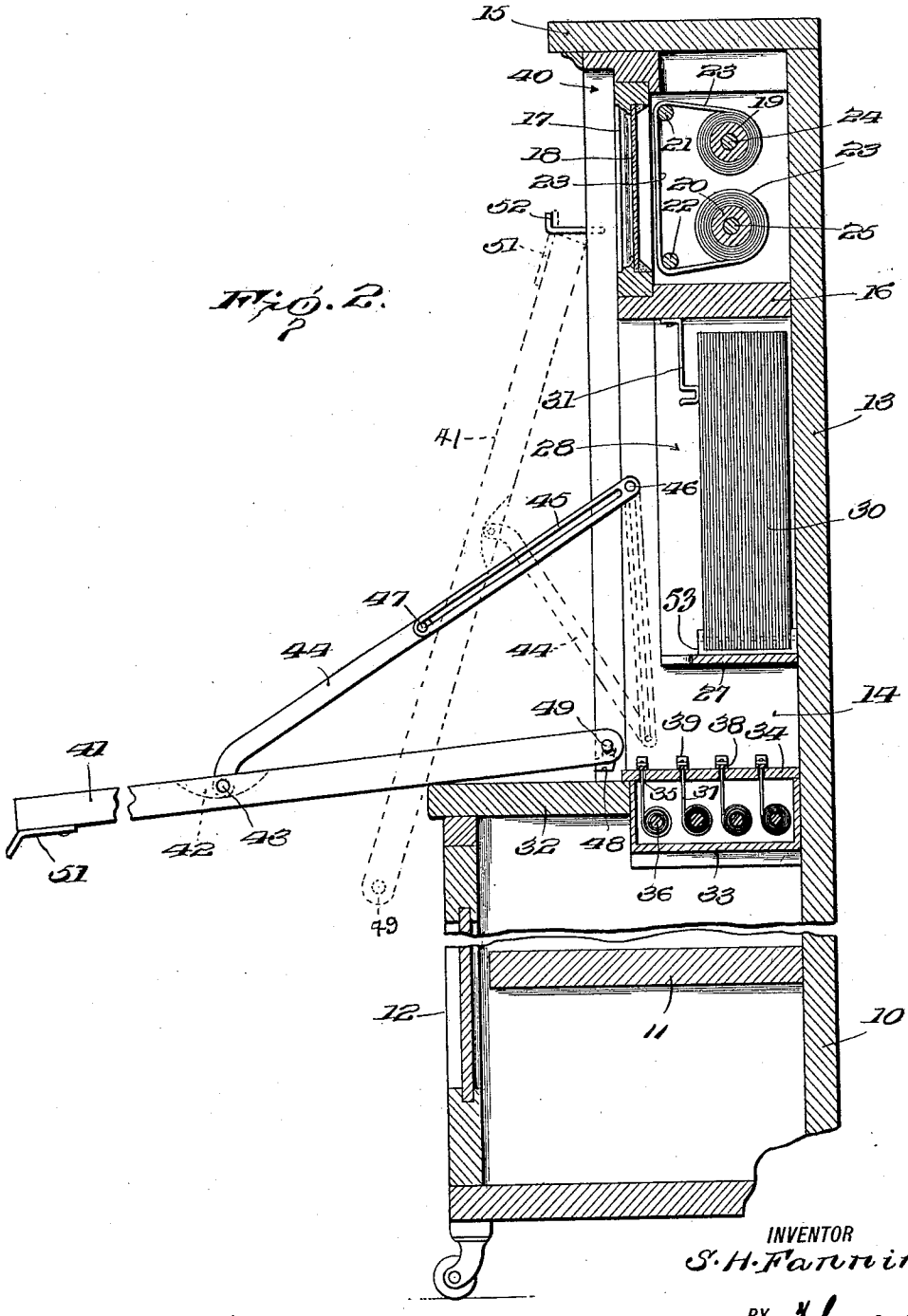
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2 SHEETS—SHEET 2.

Fig. 2.



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UNITED STATES PATENT OFFICE.

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COMBINED DESK AND MAP-CABINET.

1,272,645. Specification of Letters Patent. Patented July 16, 1918.

Application filed May 22, 1917. Serial No. 170,255.

To all whom it may concern:

Be it known that I, SAMUEL H. FANNING, a citizen of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented certain new and useful Improvements in Combined Desks and Map-Cabinets, of which the following is a specification.

This invention relates to improvements in combined desks, blackboard supports, and cabinets for supporting maps, charts, scrolls for educational data, and the like, and has for one of its objects to improve the construction and increase the efficiency and utility of devices of this character.

Another object of the invention is to provide a device of this character which may be quickly changed from a writing desk to a blackboard or drawing board support without detaching any of the parts.

Another object of the invention is to provide an apparatus including a casing having a scroll device and a movable desk attachment which when closed covers and protects the scroll device.

Another object of the invention is to provide a holder for a plurality of maps or charts wound upon spring rollers and supported within a cabinet or casing having a movable desk attachment over which the maps or charts are adapted to be drawn and thereby supported when in use.

With these and other objects in view, the invention consists in certain novel features of construction, as hereinafter shown and described and then specifically pointed out in the claim; and in the drawings illustrative of the preferred embodiment of the invention—

Figure 1 is a perspective view of the improved device with the combined desk and blackboard member in open position;

Fig. 2 is a vertical sectional elevation with the combined desk and blackboard in open position or arranged as a desk.

The improved device comprises a cabinet or casing including a base portion represented as a whole at 10, and with one or more internal shelves 11 and swinging doors 12.

By this means a storage cabinet is produced. Rising from the base portion 10 is a cabinet portion comprising a rear member 13, side portions 14 and a top 15 leaving the front open as illustrated in Fig. 1. Spaced below the top 15 within the cabinet portion of the device is a transverse division member 16, and fitting within the space between the portions 15—16 is a frame 17 which supports a transparent member 18 of glass or the like. By this means the interior of the cabinet above the transverse member 16 is visible through the glass. Mounted within the space above the member 16 are winding rollers 19—20 and guide rollers 21—22. A flexible sheet 23 of heavy cloth or light canvas is connected at its ends to the rollers 19—20 and extends over the guide rollers 21—22. The shaft 24 of the roller 19 extends at one end through one of the ends 14 of the cabinet, while the shaft 25 of the other roller 20 likewise extends through the same end member of the cabinet, the terminals of the shafts being square or otherwise than round to receive a winding crank indicated at 26. By this means the flexible member 23 may be wound from one roller to the other and pass rearwardly of the transparent member 18 during such movement.

The flexible member 23 is designed to receive educational matter such as pictures, statistics or the like, and which may also be provided with matter to be copied upon a blackboard or drawing-board, as hereafter explained.

The frame 17 is detachable from the cabinet, to render the scroll member 23 accessible from the front of the device.

Formed within the space between the transverse member 16 and the base 10 is a transverse shelf or partition 27, a vertical partition 28 and a plurality of smaller transverse partitions 29 to form a set of pigeon holes or receptacles for papers or other articles. The vertical partition 28 is disposed relatively near one of the end members 14 of the cabinet, leaving a relatively large space between the member 28 and the opposite end member 14 of the cabinet. The transverse partition 27 is designed to receive a binder member 53 which supports a plurality of charts or the like, represented conventionally at 30. A resilient holding device 31 depends from the member 16 and bears against the members 30 and holds them in vertical position upon the shelf 27. The device 29—30 may thus be readily removed or inserted when required. The top member 32 of the base portion 10 extends for a short distance at its inner edge into the space defined by the end members 14 of the

cabinet leaving the bottom of the cabinet open or communicating with the space within the base 10. Fitting within this space is a holder 33 having a top 34 provided with a plurality of longitudinally directed slots 35 at spaced intervals. The top 34 is substantially in alinement with the top 32 of the base, as shown in Fig. 2, and mounted for rotation within the holder 33 are a plurality of rollers 36, preferably of the spring roller construction, one of the slots 35 being disposed above each of the spring rollers. The rollers 36 are designed to support maps, charts or the like, represented at 37, each map or chart extending through one of the slots 35 and each provided with a stop member 38 and a pull handle 39. The stop member 38 rests upon the upper face of the top 34 of the holder 33 and is held in that position initially by the force of the spring in the roller with which it is associated. By this means the various maps or charts are held normally wound upon the rollers 36 within the holder 33 leaving the stop members 38 and pull members 39 only exposed above the top 34. The various maps or charts are thus readily accessible through the open front of the cabinet and may be drawn outwardly one at a time when required.

The open front of the cabinet is surrounded by a seat 40 in which a combined desk and blackboard support 41 is adapted to be received when in elevated position. The upper portion of the seat 40 is disposed above the upper line of the frame 17 as shown in Fig. 2, so that when the member 41 is in its closed position it covers and protects the frame 17 and conceals the scroll device 23.

One face of the member 41 is provided with a writing surface such as green cloth, oil cloth or the like, while the other surface is provided with a blackboard or drawing-board surface. Formed in one face of the member 41 are longitudinally directed slots 42, and pivoted at 43 within each of the slots is a link 44. A longitudinally slotted link 45 is pivoted at 46 upon the inner faces of the end members 14 of the cabinet, the two links being pivotally united at 47. The seat 40 of the cabinet is provided with bayonet slots 48 near their lower ends, and the member 41 is provided with laterally directed pins 49 adapted to enter the bayonet slots when the member 41 is disposed in the position shown in full lines in Fig. 2, the pins fitting in the upper or vertical portions of the bayonet slots and thus preventing the member 41 from outward movement away from the cabinet. The bayonet slots 48 are so disposed that when the pins 49 engage therein, the member 41 will be supported intermediate its ends upon the forward edge of the top 32 of the base, or in an inclined position as shown in full lines in Fig. 2, while at the same time the pins 49 may be readily detached from the bayonet slots to enable the member 41 to be disposed in the position shown by dotted lines in Fig. 2, when the blackboard or drawing-board face is to be used. Mounted to swing upon the member 41 near one edge is a perforated supporting member 51 adapted to be engaged over hooks 52 projecting from the front edges of the end members 14 of the cabinet. When the member 41 is to be arranged with the blackboard or drawing-board face outward the pins 49 are detached from the bayonet slots 48 and the member 41 disposed in the position shown by dotted lines in Fig. 1, the pivot member 47 of the links moving within the slot of the member 45 to permit this movement. When disposed in position to expose the blackboard or drawing-board face of the member 41 the edge carrying the pins 49 is disposed downwardly as shown. When the member 41 is disposed for use as a desk shown in Figs. 1 and 2 the rounded edge in which the pins 49 are supported comes next to the holder 33, consequently when the maps or charts on the rollers 36 are withdrawn, they bear over the rounded edge of the member 41 and are protected from injury thereby. Any one of the maps or charts may thus be drawn out over the desk member 41 and supported thereby while being used, and returned to its position within the holder 33.

Having thus described the invention, what is claimed as new is:

In a device of the class described, a base having a forwardly extended top, a casing open at the front and of less width than the base and extending above the same, an upper receptacle above the casing, a seat encompassing the front of the casing and the front of the upper receptacle, a closure for the upper receptacle located inwardly of the seat, bayonet slots in said seat, a desk member engaging in said seat and closing the casing and the upper receptacle when in upper position, pins extending from said desk member and engaging in said slots, said pins and slots coacting with the projecting portion of the base to support the desk in its lower position, flexible elements connecting the desk member and the casing, hooks projecting from the casing, and catch devices carried by the desk member and adapted to engage the hooks when the desk member is reversed and bears against the projecting portion of the base.

In testimony whereof I affix my signature.

SAMUEL H. FANNING. [L.S.]

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