

G. W. DINSMOOR.
CLOTH BOARD HOLDER.
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1,045,530.

Patented Nov. 26, 1912.

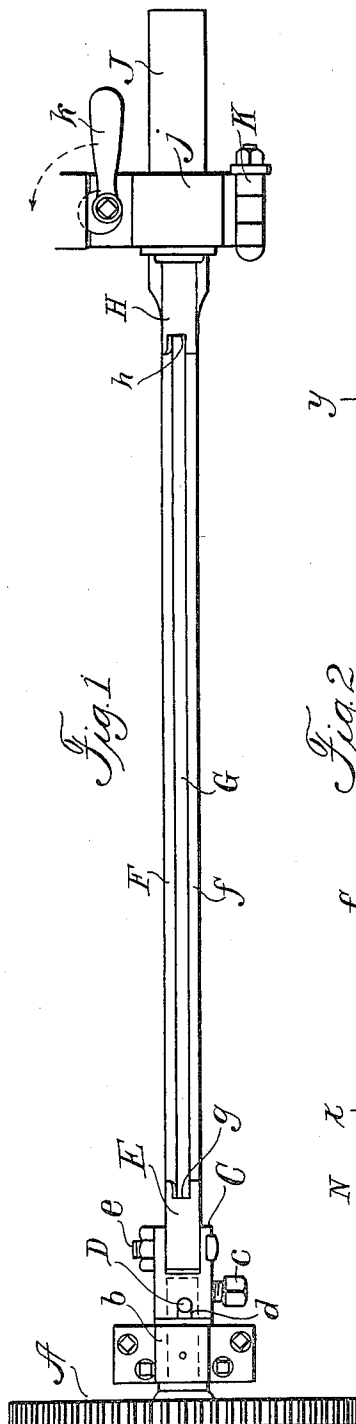


Fig. 1

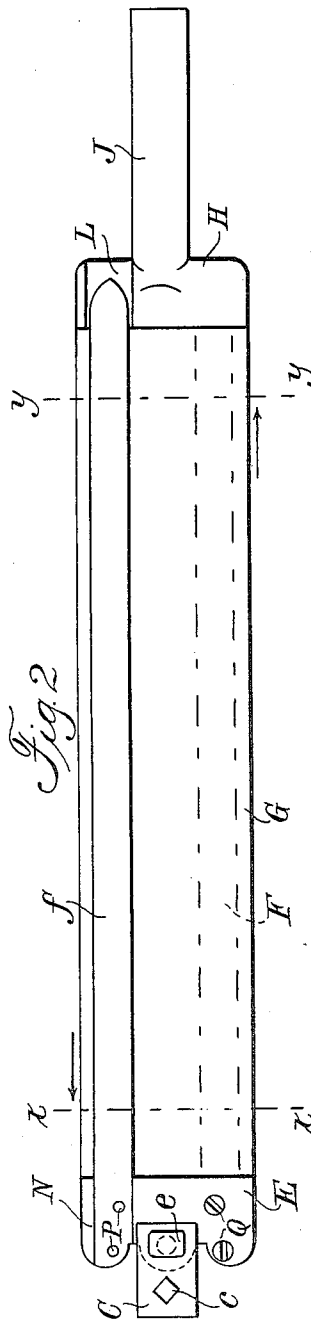


Fig. 2

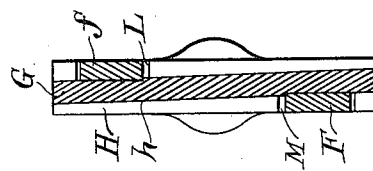


Fig. 4

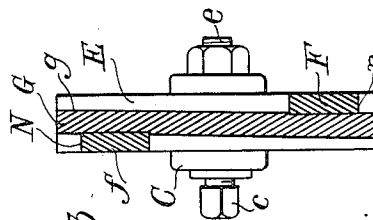


Fig. 3

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CLOTH-BOARD HOLDER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE W. DINSMOOR, citizen of the United States, residing at Lawrence, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Cloth-Board Holders, of which the following is a specification.

This invention relates to cloth board holders that are used in connection with machines for winding cloth into a roll, for transportation and ordinary commercial purposes.

The object of this invention is the production of a cloth board holder comprising parts of special construction and particular arrangement, whereby it is believed that thinner boards of cheaper lumber, even cross grained stuff, may be used and successfully held without breaking by reason of the considerable strain of the winding cloth, thus effecting a much sought-saving in the cost of the cloth boards.

The construction and arrangement preferred are illustrated in the accompanying drawings, of which—

Figure 1 represents a top plan view of this invention in bearings. Fig. 2 is a side view of all parts assembled, without the bearings. Fig. 3 is a section on broken line *x-x* of Fig. 2, and shows the grooved face of the swivel head, and Fig. 4 is a section on line *y-y* of Fig. 2, and shows the grooved face of the raising head.

The same letter is used to refer to the same part throughout the description and drawings.

Considering the drawings, in Fig. 1, the gear A, on shaft B, provided with bearings b, may be caused to rotate the swivel head holder C, with which shaft B is connected by the set screw c, and the pin D in engagement with the recess d of the swivel head holder. The swivel head E is pivotally joined to its holder C by the pivot bolt e.

Extending from opposite sides and ends of the swivel head E are the blades F and f, and between the two blades the cloth board G is placed. The board extends from head E to head H, and engages the grooves g and h of those heads as illustrated. The swivel head E, as indicated in the drawings, has a rotary and a pivotal movement possible to it, while the head H has a projecting spindle or handle J that is removably held in a

bearing j; that may be opened. For example, the bearing j is provided with a hinged end K, and the fastening device k which being turned in the direction of the dotted line in Fig. 1, will permit the upper part of bearing j to be swung upwardly on the hinge K, and the spindle J may then be grasped by the hand and raised out of the bearing. I do not confine myself to the particular form of bearings illustrated, as such bearings form no portion of this invention, being introduced merely in aid of this description.

In Figs. 2 and 4 it will be noted that the ends of the blades F and f enter the recesses L and M of head H, but that they are not secured in those recesses. The other ends of the blades, as shown in Figs. 2 and 3, occupy recesses N and n in the swivel head E, and the ends of the blades are secured in those recesses by the screws P and Q.

It is believed to be now made out that the blades extend along and support the board near its edges, and that the blades lie against the edges of the board which are expected to resist the pull of the winding cloth. Let it be assumed that the top of the board G, as shown in Fig. 2, moves during the winding operation from the observer. It will be noted under those circumstances that the blades F and f are arranged to resist the pull of winding cloth, and boards of very cheap material are thus enabled to withstand the strain and to fully serve the purpose desired.

Obviously, the cloth is wound upon the board over the blades, and when the winding is complete, bearing j is opened, spindle J raised and the head H taken off the ends of the blades and board. The cloth and the board may now be drawn off the blades.

Having now described this invention, and explained the mode of its use and operation, what I claim is:—

1. In a cloth board holder, the combination with a pivoted head, of means constructed to support said head, the said supporting means being revoluble, blades secured to opposite sides and ends of said head, a removable head having a spindle, bearings constructed to support the spindle with its axis aligned with the axis of revolution of said pivoted head, and the said removable head being arranged in contact

with the ends of said blades, the heads of the blades being located upon opposite sides of said removable head.

5 2. In a cloth board holder, the combination with a pivoted head, of blades secured to the opposite sides and ends of said head and arranged against opposite sides and near opposite edges of a cloth board, and a removable head having a spindle, the said
10 heads being provided with devices constructed to engage the ends of a cloth board.

3. In a cloth board holder, the combination with a pivoted head, of blades secured to opposite sides and ends of said head and
15 arranged against opposite sides and near opposite edges of a cloth board, and a re-

movable head having a spindle and provided with devices constructed to engage the ends of said blades.

4. In a cloth board holder, the combination with two separable heads, of a board 20 arranged between said heads, and blades extending from one of said heads to the other and constructed and arranged to reinforce the opposite edge portions of said
25 board on opposite sides thereof.

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

GEORGE W. DINSMOOR.

Witnesses:

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