J. & J. E. SCHUMACHER.

APPARATUS FOR FINISHING PLASTER BOARD AND THE LIKE.

APPLICATION FILED DEC. 7, 1917.

1,286,801.

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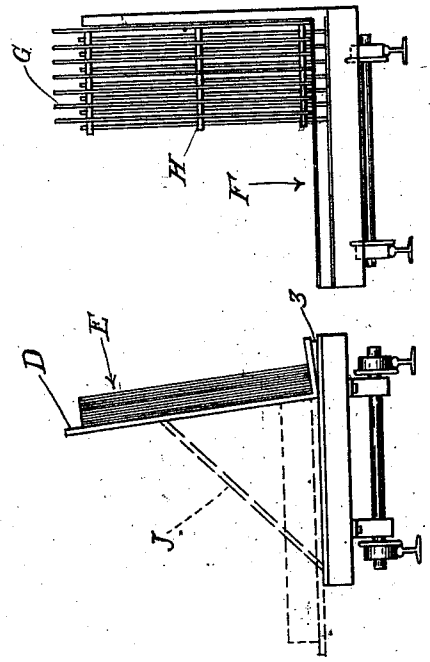


FIG. 3

FIG. 2

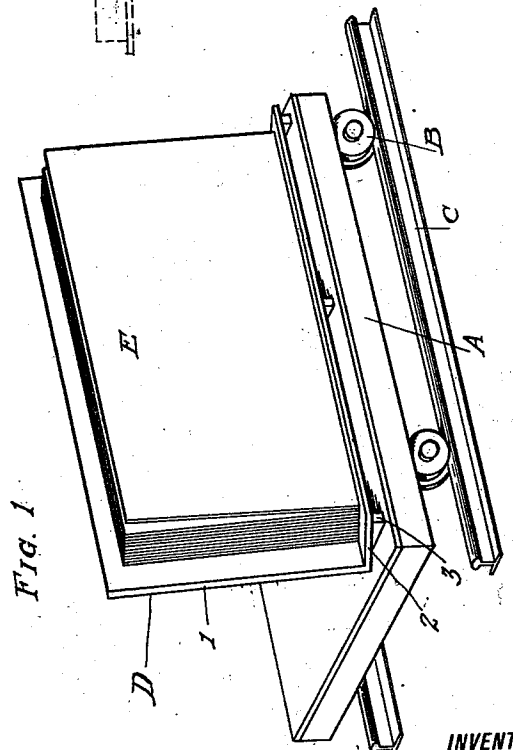


FIG. 1

WITNESSES:

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UNITED STATES PATENT OFFICE.

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APPARATUS FOR FINISHING PLASTER-BOARD AND THE LIKE.

1,286,801. Specification of Letters Patent. Patented Dec. 3, 1918.

Continuation in part of application Serial No. 98,572, filed May 19, 1916. This application filed December 7, 1917. Serial No. 206,113.

To all whom it may concern:

Be it known that we, JOHN SCHUMACHER and JOSEPH E. SCHUMACHER, both citizens of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Apparatus for Finishing Plaster-Board and the like, of which the following is a specification.

This invention relates to improvements in apparatus for finishing plaster board and the like, prior to the drying of the board, is in part a division of our application filed May 19, 1916, Serial No. 98,572, which culminated in Patent No. 1,259,049, and resides in the provision of means for supporting plaster board so that it may be readily transported and safely handled while moist and before the hardening thereof without the tearing or derangement thereof.

In the method of handling plaster board such as this invention is associated with, the newly made board is stacked one unit upon the other horizontally in relatively large sheets, and as these sheets are moist, the plaster not having become set at this time, it is impossible to pick up the individual sheets or units when lying in stacked relation horizontally without a resultant tearing or derangement thereof. Inasmuch as it is necessary to pick up these sheets or units individually and stack them in vertical or substantially upright relation upon a frame which is run into a kiln in order to dry the plaster board, it is the primary object of this invention to provide a supporting means for the stacked sheets, which means may be disposed so as to lie in substantially upright position and to thus dispose the sheets in corresponding position so that they may be readily individually handled while held in substantially upright position without the possibility of breakage, tearing or other derangements.

Another object of the invention is to provide means of the character described which is simple as to construction, inexpensive and capable of being readily and easily operated.

The invention further consists in the particular arrangement, combination, association and inter-relation of all of the parts and elements of the invention, such as hereinafter described, illustrated in the accompanying drawing, and finally pointed out in the appended claims. Other objects and advantages will appear during the course of the following description.

In the drawing:

Figure 1 is a perspective view of finishing apparatus constructed in accordance with this invention;

Fig. 2 is an end elevation of the apparatus shown in Fig. 1, illustrating the tray in horizontal position in dotted lines; and

Fig. 3 is an end elevation of the supporting frame or means for holding the sheets in upright spaced relation, showing the same in operative relation to the tray in Fig. 2.

Referring to the drawing, A designates a truck or movable supporting means which has rollers B mounted upon rails C; D designates means for supporting plaster board sheets E upon the truck A; F designates a truck for supporting plaster board in upright spaced relation to facilitate the drying thereof; G the plaster board upon said truck F; and H the spacing members.

The means D comprises a substantially flat tray having a flat body portion or bottom 1 and a side wall 2 disposed on one longitudinal edge of the body at right angles thereto. This side wall is provided with wedge-shaped feet 3 that are carried upon the outer side thereof and adapted to engage the truck A when the tray is tilted or disposed in substantially upright position. Any suitable means, such for example as the prop J indicated in dotted lines in Fig. 2 of the drawing, may be provided to hold the tray in substantially upright position.

In operation, the plaster board after having been newly formed and cut into lengths or sheets is stacked one sheet upon the other in a horizontal plane upon the tray D. the latter being supported in horizontal position upon the truck A. The plaster board at this time is somewhat moist, the plaster not having become set or hardened, and to facilitate the handling of the sheets individually, without breakage, or derangement, the tray D is tilted into substantially upright or vertical position as shown in Fig. 2 of the drawing. In the stacking of the sheets E of plaster board the edges of such sheets are brought to engage the said wall 2 and when the tray is tilted said side wall serves to support the sheets together with the body portion 1 in substantially upright position, the means such as indicated at J in Fig. 2 being utilized to hold the tray in upright

position. The wedge feet members 3 will engage the truck A and dispose the tray and sheets at such an angle that the latter may be readily and safely handled individually. For the purpose of illustration there is illustrated in Fig. 3 of the drawing one of the trucks for supporting the plaster in upright spaced relation. No claim is made to this truck, as it is described and claimed in our Patent No. 1,259,049. The sheets after being disposed in substantially upright position may be individually handled with safety and facility and placed upon the truck F, the spacing members H being interposed between the sheets.

With reference to the foregoing description and accompanying drawing, it will be observed that we have provided effective and reliable means for supporting and facilitating the handling of individual units or sheets of plaster board which are "soft," the plaster not having become set.

It is to be understood that we may make minor changes as to details of construction, size and proportion of parts of the apparatus, without departing from the true spirit and scope of the invention as defined.

Having thus disclosed our invention, we claim and desire to secure by Letters Patent:

1. In plaster board finishing apparatus, a substantially horizontal support, a tray tiltably mounted upon the support and including a flat bottom board and a side wall projecting from one of its edges, the flat bottom board receiving the plaster board sheets in a superposed relation with the edges thereof in engagement with the side wall when the bottom board is substantially horizontal, and being tiltable about the edge provided with the side wall into an upright position, and means for supporting the tray in an inclined position with the edges of the plaster board sheets resting upon the side wall.

2. In plaster board finishing apparatus, a horizontal support, a tray tiltably mounted on the support and including a flat bottom board and a side wall projecting from one of its edges, the flat bottom board receiving the plaster board sheets in a superposed relation with the edges thereof in engagement with the side wall when the bottom board is substantially horizontal, and the tray being tiltable into an upright position about the edge thereof provided with the side wall, and feet on the side wall arranged for engagement with the support to position the tray in an upright position.

3. In plaster board finishing apparatus, a horizontal support, a tray tiltably mounted upon the support and including a flat bottom board and a side wall projecting from one of its edges, the flat bottom board receiving the plaster board sheets in a superposed relation with the edges thereof in engagement with the side wall when the bottom board is substantially horizontal, the tray being tiltable about the edge thereof provided with the side wall into an upright position, and wedge-shaped feet on the side wall for engaging the horizontal support to position the tray in an inclined position.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JOHN SCHUMACHER.
JOSEPH E. SCHUMACHER.

Witnesses:
WILLIS S. MITCHELL,
CHAS. J. CHUNN.