Feb. 15, 1938. D. BUCCICONE 2,108,364

SHEET GUIDE

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FIG. 1.

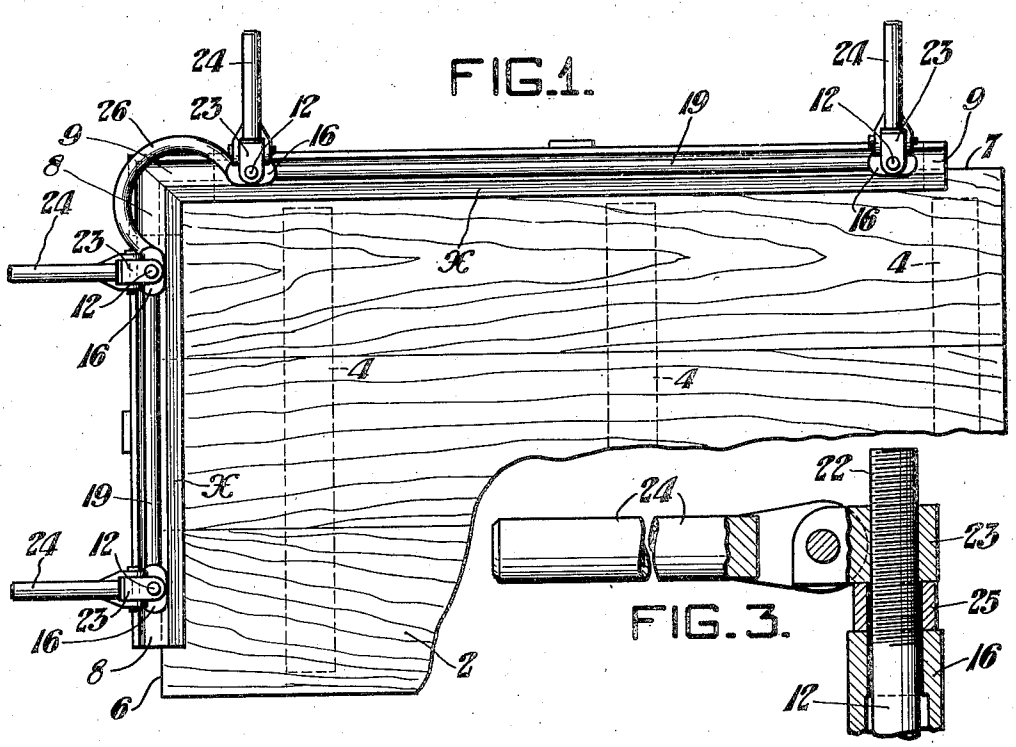
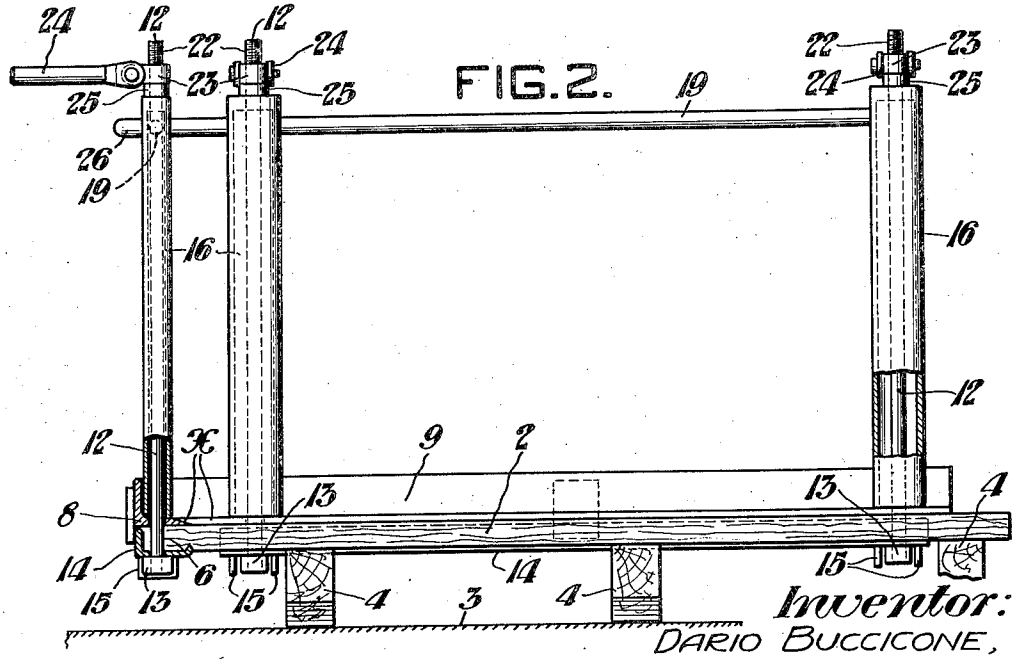


FIG. 3.

FIG. 2.



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SHEET GUIDE

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4 Claims. (Cl. 271—61)

This invention relates to sheet guides such as are used in piling and stacking, it being among the objects thereof to provide a device of this class which may be easily and rapidly assembled and used, and afterward rapidly dismantled without disturbing the piled or stacked material.

The foregoing and other objects will be apparent after referring to the drawing, in which:

Figure 1 is a plan of the device of the invention;

Figure 2 is an end elevation, partly in section; and

Figure 3 is an enlarged detail, partly in section.

Referring more particularly to the drawing, the numeral 2 designates a base which is suitably spaced from the top 3 of a work-bench, or the like, by means of skids 4. One corner of the base 2 provides two substantially straight sides, as shown at 6 and 7. A straight metallic frame-member 8 is disposed on the base 2 to overlie the side 6 thereof; while a straight metallic frame-member 9 is disposed in a similar manner to overlie the side 7. These straight metallic frame-members 8 and 9 are "squared", and joined in any suitable manner, as for example by welding (not shown). The inner edges of the frame-members 8 and 9 are preferably bevelled, as shown at X.

A vertical rod 12 is extended at intervals along the sides 6 and 7 of the base 2 and through the superposed frame-members 8 and 9. Each of these vertical rods 12 is provided on its lower end with a bolt-head 13 and clamp-member 14 for clamping the frame-members 8 and 9 to the sides 6 and 7 of the base 2. The clamp-members 14 are provided with suitable means, such as the lugs 15, for preventing the relative rotation of the bolt-heads 13.

Over each of the vertical rods 12 there is telescopically disposed a tube 16. Each of these tubes 16 rests on the adjacent frame-member and terminates just short of the upper extremity of the vertical rod 12 over which it is disposed. If desired, the tubes 16 may be welded (not shown) to the frame-members 8 and 9.

Between the tubes 16 on each side of the base 2 there is disposed a brace-rod 19 which is suitably connected thereto in any suitable manner, as for example by welding (not shown).

The upper extremity of each of the vertical rods 12 is screw-threaded, as shown at 22, to receive a clamping nut 23 which carries a pivoted handle 24. A washer 25 is disposed between each clamping nut 23 and the adjacent tube 16.

The vertical rods 12 adjacent the connected ends of the frame-members 8 and 9 are suitably connected together by an outwardly curved brace 26.

According to the foregoing construction, it will be readily seen that the elements thereof are capable of easy and rapid assembly on a suitable base 2. The sheets are then piled or stacked by forcing them into the corner provided by the assembled elements of the device of the invention. The corners of the sheets are accommodated by the outwardly curved brace 26. After the piling or stacking has been completed, the sheets will all be found to have two of their edges in perfect alignment. The device may then be easily and rapidly dismantled without disturbing the pile or stack by simply releasing the clamp-members 14 by means of the clamping-nuts 23 which carry the pivoted handles 24.

While I have shown and described one specific embodiment of the invention, it will be understood that I do not wish to be limited exactly thereto, since various modifications may be made without departing from the scope of the invention as defined by the following claims.

I claim:

1. A sheet guide comprising, in combination, at least two squared and connected sheet-engaging sections, at least one vertical upright secured to each of said squared and connected sheet-engaging sections, and means for clamping said squared and connected sheet-engaging sections to a platform.

2. A sheet guide comprising, in combination, at least two squared and connected sheet-engaging sections, at least one vertical upright secured to each of said squared and connected sheet-engaging sections, and means extending through said vertical uprights for clamping said squared and connected sheet-engaging sections to a platform.

3. A sheet guide comprising, in combination, at least two squared and connected sheet-engaging sections, at least one vertical upright secured to each of said squared and connected sheet-engaging sections, means for clamping said squared and connected sheet-engaging sections to a platform, and a brace connecting said vertical uprights.

4. A sheet guide comprising, in combination, at least two squared and connected sheet-engaging sections, at least one vertical upright secured to each of said squared and connected sheet-engaging sections, means extending through said vertical uprights for clamping said squared and connected sheet-engaging sections to a platform, and a brace connecting said vertical uprights.

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