No. 833,893. PATENTED OCT. 23, 1906.

N. C. PETERSEN.

PLASTERING DEVICE.

APPLICATION FILED SEPT. 26, 1905.

Fig. 5.

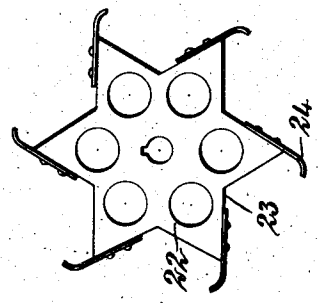


Fig. 3.

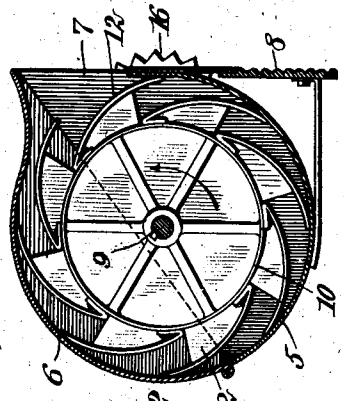


Fig. 1.

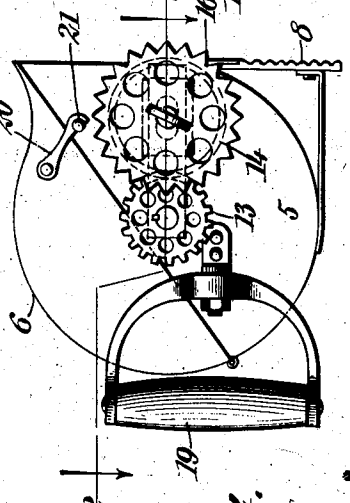


Fig. 2.

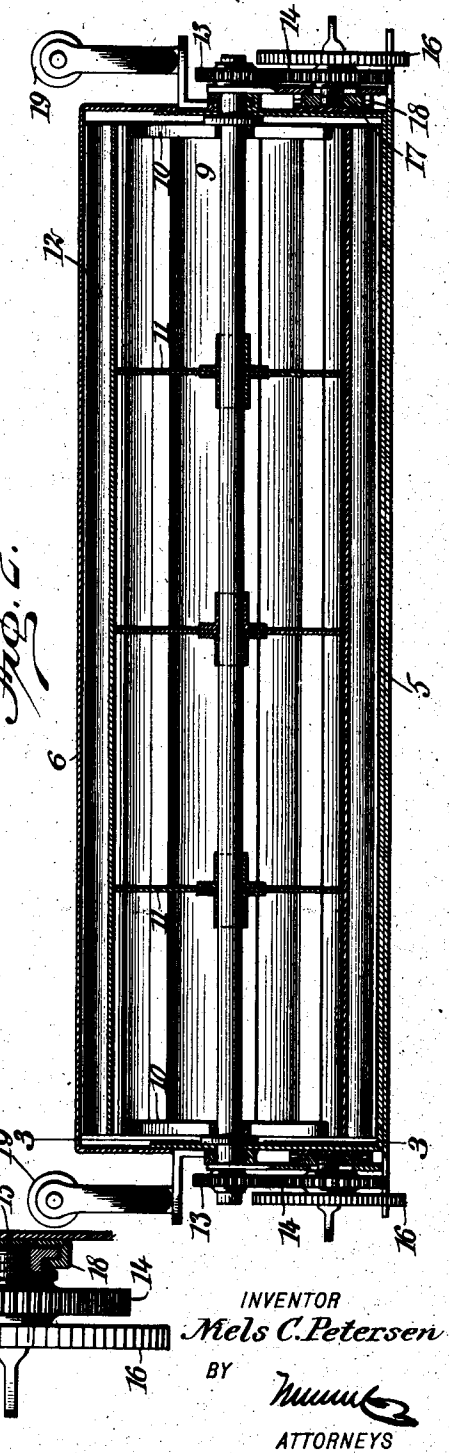


Fig. 4.

WITNESSES:

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PLASTERING DEVICE.

No. 833,893. Specification of Letters Patent. Patented Oct. 23, 1906.

Application filed September 26, 1905. Serial No. 280,123.

To all whom it may concern:

Be it known that I, NIELS C. PETERSEN, a citizen of the United States, and a resident of Perth Amboy, in the county of Middlesex and State of New Jersey, have invented a new and Improved Plastering Device, of which the following is a full, clear, and exact description.

This invention relates to improvements in devices for applying plaster to walls or the like, the object being to provide a plastering device by means of which plaster may be quickly and evenly spread upon a wall or the like.

I will describe a plastering device embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is an end view of a plastering device embodying my invention. Fig. 2 is a longitudinal section thereof on the line 2 2 of Fig. 1. Fig. 3 is a section on the line 3 3 of Fig. 2. Fig. 4 is a detail view showing a gearing employed, and Fig. 5 shows a modification in the rotary spreader.

Referring to the drawings, 5 designates a casing having a swinging cover 6, which when the parts are closed practically form a cylinder having an opening 7 at the front, and below said opening is a smoothing-plate 8, which, as here shown, is longitudinally corrugated. Having bearings in the end wall of the casing is a shaft 9, secured to the ends of which are ring-like frames 10, and between the ends are partition-plates 11. Secured to the rings 10 and to the partitions 11 are tangentially-disposed spreader-plates 12—that is, these spreader-plates are arranged eccentrically to the axis of the shaft 9. On the outer ends of the shaft 9 are pinions 13, which engage with gear-wheels 14, mounted on studs 15, and also mounted on the studs are toothed wheels 16, designed to engage with a lath or wall when the device is moved along a lath or wall to spread the plaster. As here shown, the studs 15 have screw-thread engagement with blocks 17, engaging in guides 18, secured to the ends of the casing. By this arrangement different sizes of gearing 14 and 16 may be employed, depending upon the character of the work to be performed. At its ends the casing is provided with handles 19, and the cover is held in place by means of hooks 20, pivoted to the ends of the cover and engaging with pins 21 on the casing.

The spreader illustrated in Fig. 5 has end pieces 22, provided with radial walls 23, to which the spreader-blades 24 are attached, the outer edges of said blades being curved in a direction opposite to the rotation of the spreader.

In the operation the casing is to be filled with plaster and then the device is to be moved upward or horizontally along the wall, and as the wheels 16 project forward of the casing and engage with the wall they will impart a rotary movement to the spreader, so that the plaster will be forced out through the opening 7, and the smoothing-plate 8 will impart a level or even surface to the plaster.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A plastering device comprising a casing having an outlet for plaster, and a spreader mounted to rotate in the casing for forcing the plaster through said opening.

2. A plastering device comprising a casing having a swinging cover, the said casing having an opening in its front near the top, a smoothing-plate below said opening, and a rotary part in the casing having tangentially-disposed plates.

3. A plastering device comprising a casing having an opening in its front near the top, a smoothing-plate below said opening, a shaft having its bearings in the end walls of the casing, tangentially-disposed plates carried by said shaft, toothed wheels on the ends of the casing, and gear connections between said wheels and said shaft.

4. A plastering device comprising a casing, a shaft having its bearings in the end walls of the casing, the said casing having an opening at its front, operating-wheels, studs on which said wheels are mounted, boxings on the ends of the casing in which the studs are removably engaged, tangentially-disposed plates carried by the shaft, and gearing connections between said operating-wheels and the shaft.

5. A plastering device comprising a casing having an opening at its front near the top, a smoothing-plate below the opening, a rotary spreader arranged in the casing and comprising curved plates, and handles on the ends of the casing.

6. A plastering device comprising a cylindrical casing, a shaft arranged therein, ring-

like frames on the ends of the shaft, within the casing, partitions on the shaft within the casing, tangentially-disposed plates secured to said ring-like frames and to said partitions, toothed wheels mounted on the ends of the casing, and gear connections between said wheels and the shaft.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

N. C. PETERSEN.

Witnesses:
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EVERARD B. MARSHALL.