

No. 651,957

Patented June 19, 1900.

J. R. TOBIN.

APPARATUS FOR PLASTERING COLUMNS OR THE LIKE.

(Application filed Mar. 6, 1900.)

(No Model.)

Fig. 1.

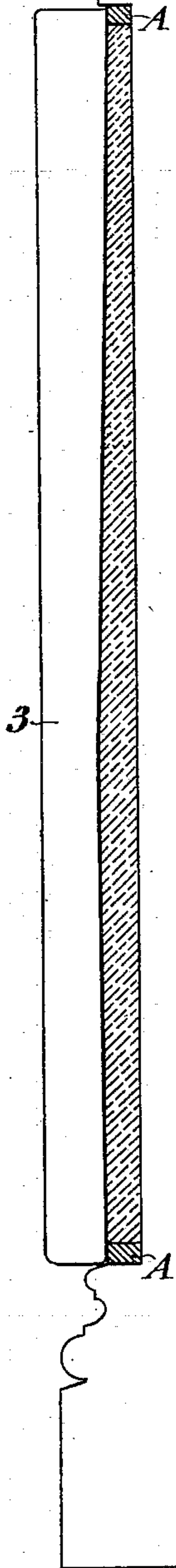


Fig. 2.

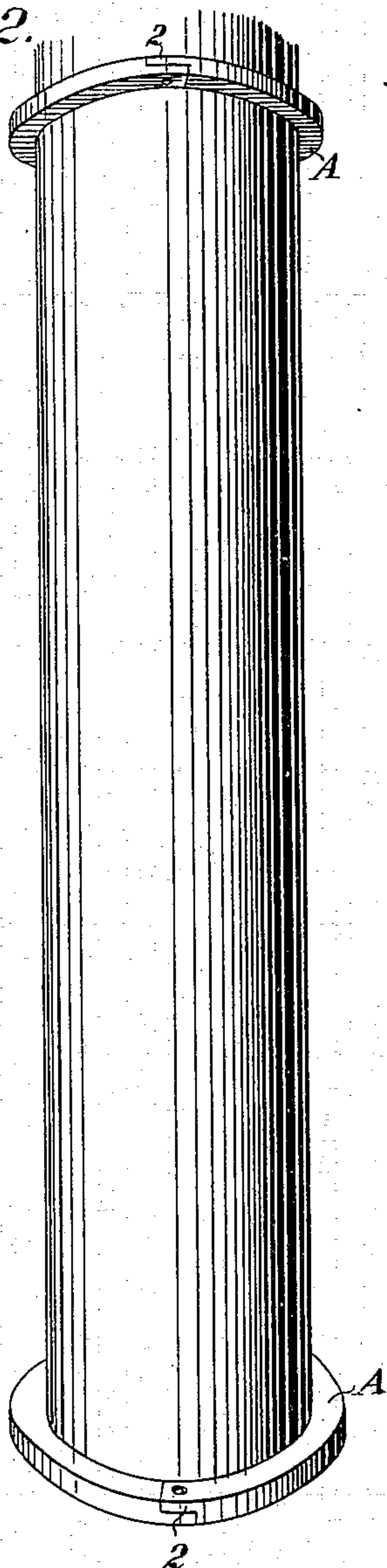


Fig. 3.

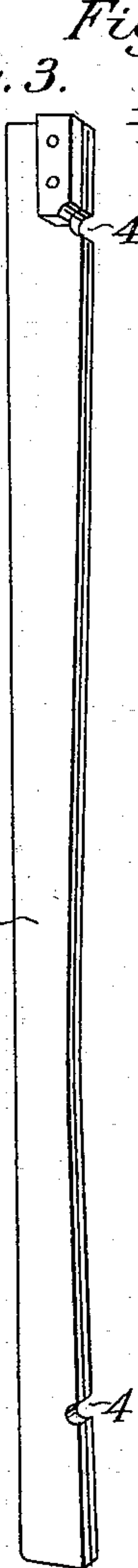
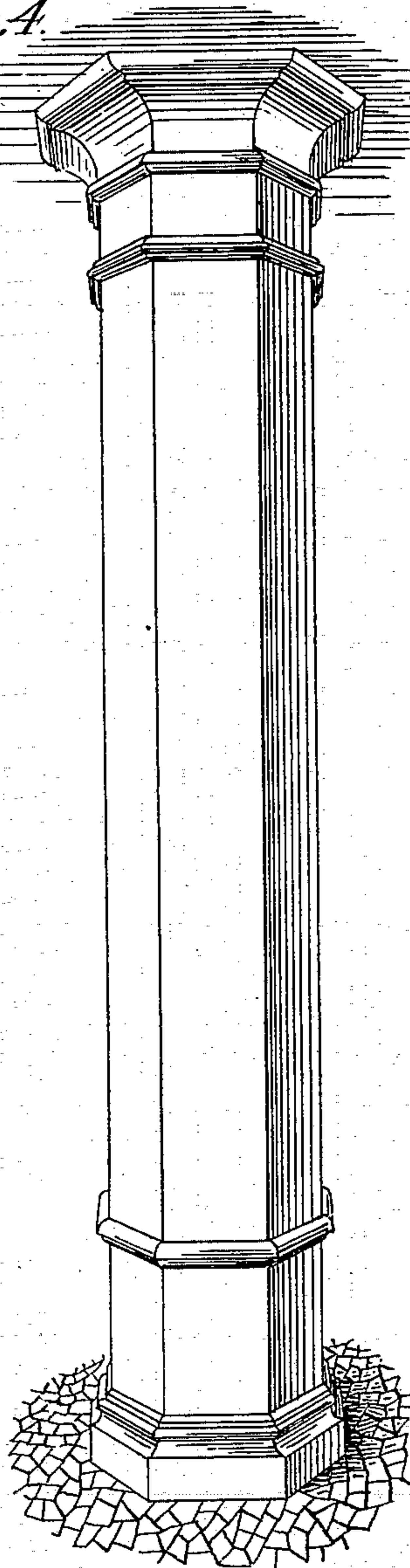


Fig. 4.



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# UNITED STATES PATENT OFFICE.

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## APPARATUS FOR PLASTERING COLUMNS OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 651,957, dated June 19, 1900.

Application filed March 6, 1900. Serial No. 7,478. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN R. TOBIN, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Apparatus for Plastering Columns or the Like; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to a device which is designed for use in plastering columns, pilasters, and similar surfaces for the purpose of making the plastered surface of an even thickness and to maintain an equal diameter and outline of the cylinder or other column after it has been finished.

It consists of a bar of proper length having the edge formed to produce the desired form of the column and rings adapted to be fitted to the top and bottom, forming supports for the ends of the bar, so that when the latter is moved over the plastered surface its edge will level or even off the surface, so that the whole circumference of the column or the segment to which it is applied will be of even thickness and symmetrical form.

My invention also comprises details of construction, which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a view of the column, showing the application of my invention. Fig. 2 is an elevation showing the rings as applied to a column. Fig. 3 is a view of the bar. Fig. 4 shows a finished polygonal column.

Great difficulty is experienced in plastering columns and like surfaces to maintain an even distribution of the coating material and to give a symmetrical form to the column or segment of the column when the plaster or like coating has been applied.

It is the object of my invention to make an even and regular surface upon the column or any segment thereof which may be exposed and to make all of a series of such columns or surfaces absolutely equal in size and symmetrical in form.

A represents rings having a diameter which will allow them to fit the circumference of the column at the top and bottom of the shaft and adjacent to the fillets, astragal, or other parts of the capital and base which are adjacent to the shaft. These rings are preferably

made in halves pivoted together at one side, as shown at 2, and this allows them to be opened to be placed upon the columns. The opposite ends are then brought together and held by a pin or equivalent locking device.

3 is a bar of any suitable material and description. It may be made of light metal or of wood, and the edge may be coated or protected by sheet metal, if preferred. The edge of the bar which is designed to form and shape the column is made to correspond with the shape of the column, which may be straight, or it may be slightly curved, as in some cases, in which case the edge of the bar would be made concaved, as illustrated. This bar is long enough to extend between the fillets at top and bottom of the column, and the rings A being fixed just beneath the upper and above the lower fillet the ends of the bar will rest upon these rings. After the first rough coat of plaster has been placed upon the column this bar may be applied and moved around the column, thus smoothing and evening the surface, leaving it perfectly circular at any point of horizontal section.

If the column be made polygonal, the rings A will be made of a shape corresponding, and the bar being moved over the rings, following their shape, will form each of the surfaces of the column in even planes from top to bottom.

In some cases it may be desired to form grooves or beads upon the surfaces. This will be effected by making corresponding projections or grooves in the bar 3, as shown at 4, and the plaster or coating material will be shaped by this groove or projection so as to leave a correspondingly-reversed shape upon the column. After the main body of the column has been thus shaped the rings A are removed by disengaging them, opening them about their hinged points. When thus removed, the small space occupied by the rings at the top and bottom can easily be filled and made even and regular with relation to the surface already completed, this space being so small that there will be no difficulty in thus leveling it up.

It will be understood that any portion of a complete column, as the segment of a cylinder, can be in like manner completed and finished up, and the work can be very rapidly and accurately done, two men being able to



complete seven or eight times as much work with this apparatus as can otherwise be done.

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

5 In an improved apparatus for producing symmetrical surfaces upon plastered or coated columns, and in combination with a bar acting as a surfacer for the body of the column, the removable and replaceable guide-  
10 rings for the upper and lower ends of the bar said rings forming a gage for the plaster and

each formed of a plurality of segments hinged together at one end whereby they may be opened and closed to detachably fit the column, and means for detachably uniting the free ends of the segments. 15

In witness whereof I have hereunto set my hand.

JOHN R. TOBIN.

Witnesses:

S. H. NOURSE,

JESSIE C. BRODIE.