

(No Model.)

A. W. CUSTER.
CAKE BEATER.

No. 601,887.

Patented Apr. 5, 1898.

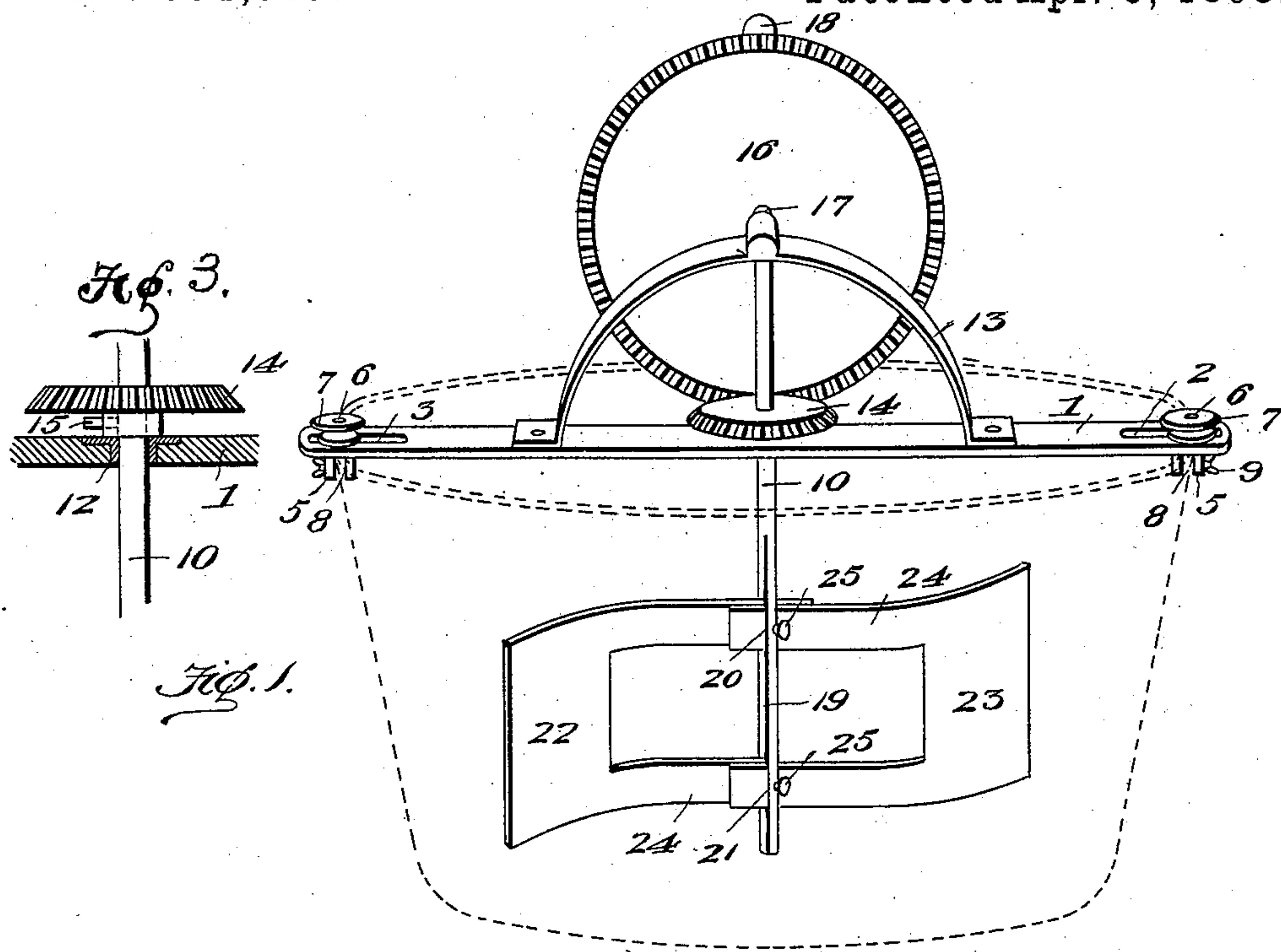
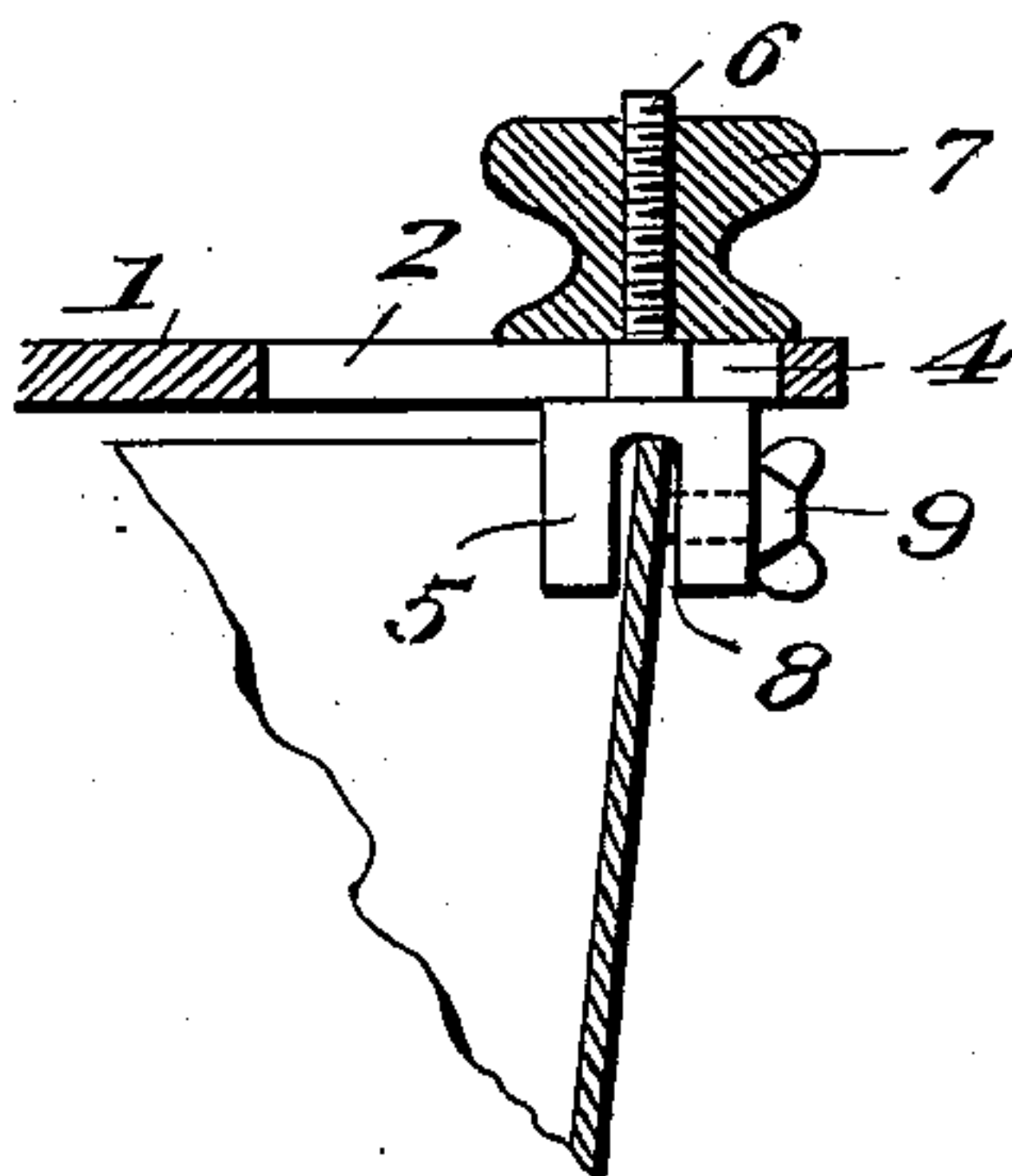


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

ALBERT W. CUSTER, OF NEW WHATCOM, WASHINGTON.

CAKE-BEATER.

SPECIFICATION forming part of Letters Patent No. 601,887, dated April 5, 1898.

Application filed March 16, 1897. Serial No. 627,863. (No model.)

To all whom it may concern:

Be it known that I, ALBERT W. CUSTER, a citizen of the United States, residing at New Whatcom, in the county of Whatcom and State of Washington, have invented certain new and useful Improvements in Cake-Beaters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to improvements in cake-mixers, and the object is to provide a simple, convenient, and effective device for this purpose; and to this end the novelty consists in the construction, combination, and arrangement of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference characters indicate the same parts of the invention.

Figure 1 is a perspective view of my improved cake-mixer. Fig. 2 is a detail of one end of the adjustable brace; Fig. 3, a disjointed representation of certain features not shown in Fig. 1.

1 represents a longitudinal rectangular brace provided near its outer ends with longitudinal slots 2 3, which receive the square shanks 4 of the vertical guide-clamps 5 5, the upper ends of which are provided with integral screw-threaded studs 6 6, which receive a thumb-nut 7, by means of which the clamps may be adjusted horizontally in the slots 2 3, so that the vertical recess 8 in the lower end of the clamps will engage the upper ends of the pan or vessel shown in dotted lines in Fig. 1 and held in place by the thumb-screw 9.

10 represents a vertical cylindrical shaft journaled in a bearing 12 on the brace 1, its upper end having a bearing in the curved bracket 13, secured to the brace 1, as shown.

14 represents a beveled pinion-gear, the hub of which is provided with a set-screw 15, by means of which it is adjustably secured to the shaft 10. The lower plane face of the hub of the gear 14 rests upon the contiguous face of the bearing 12 and forms a support for the shaft.

16 represents a bevel gear-wheel vertically

mounted on a horizontal stud 17, projecting from the side of the upper end of the curved bracket 13, and it is rotated by a crank-handle 18.

The lower portion 19 of the shaft 10 extends below the brace 1, is rectangular in cross-section, and is provided with two transverse slots 20 21.

22 23 represent the curved radial paddles formed with horizontal parallel arms 24 24, which are adjustably secured in the slots 20 21 in the shaft 19 by thumb-screws 25.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

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

The horizontal supporting-brace 1, provided at its outer ends with longitudinal slots 2 3, the guide-clamps 5 5 formed with the square shank 4, which engage said slots, and the vertical threaded stud 6 provided with the thumb-nut 7, and having the vertical recess 8 and thumb-screw 9, and the central bearing 12 in combination with the curved bracket 13, provided with the horizontal stud 17, the vertical cylindrical shaft 10 journaled in the bearing 12 and curved bracket 13 and having the integral depending rectangular portion 19 provided with the transverse slots 20 21 and thumb-screws 25, the curved radial paddles 22 23, having horizontal parallel arms 24 24 adapted to engage said slots 20 21, the bevel gear-wheel 16 mounted on said stud 17 and the bevel-pinion 14, adjustably secured to the shaft 10 by the set-screw 15, its hub forming a support for the said shaft and having its beveled toothed face meshing with the larger gear-wheel 16, substantially as shown and described.

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

ALBERT W. CUSTER.

Witnesses:

CLARENCE W. CARTER,
D. J. MCARTHUR.