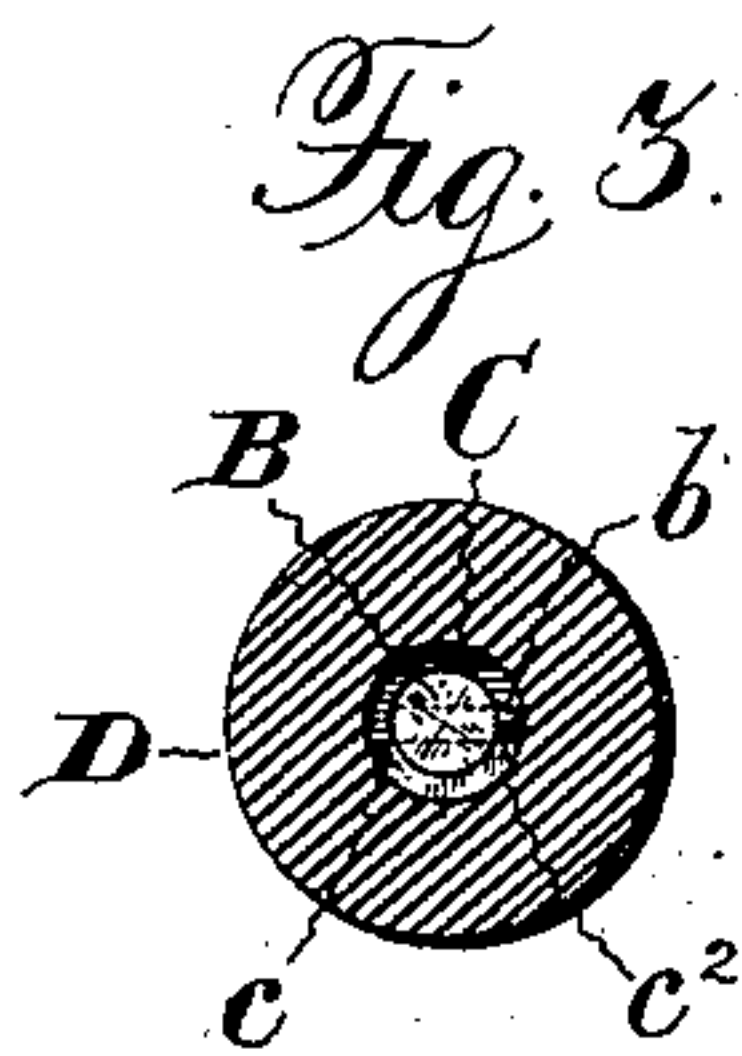
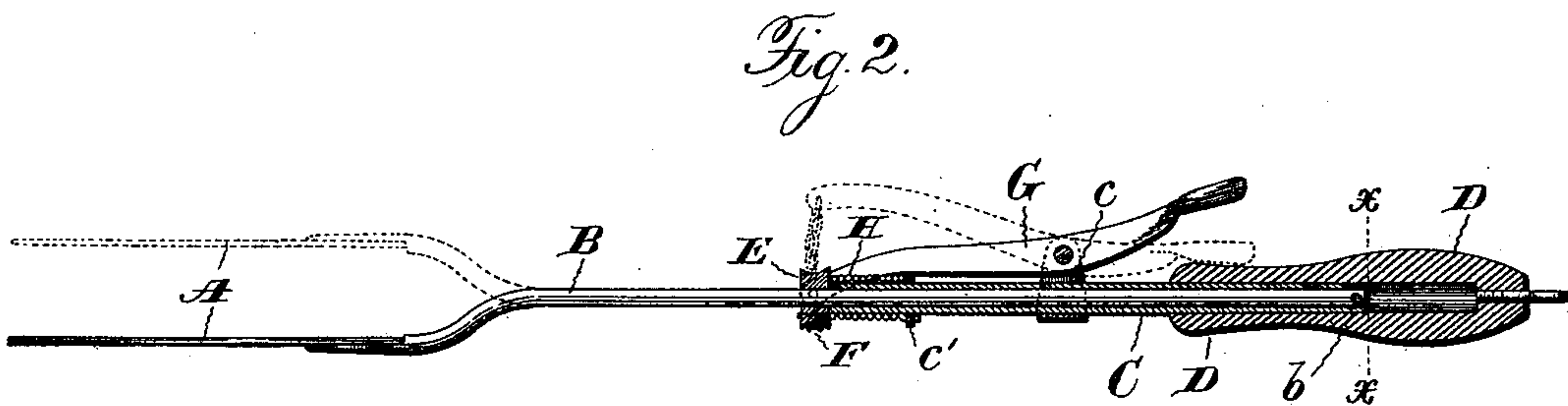
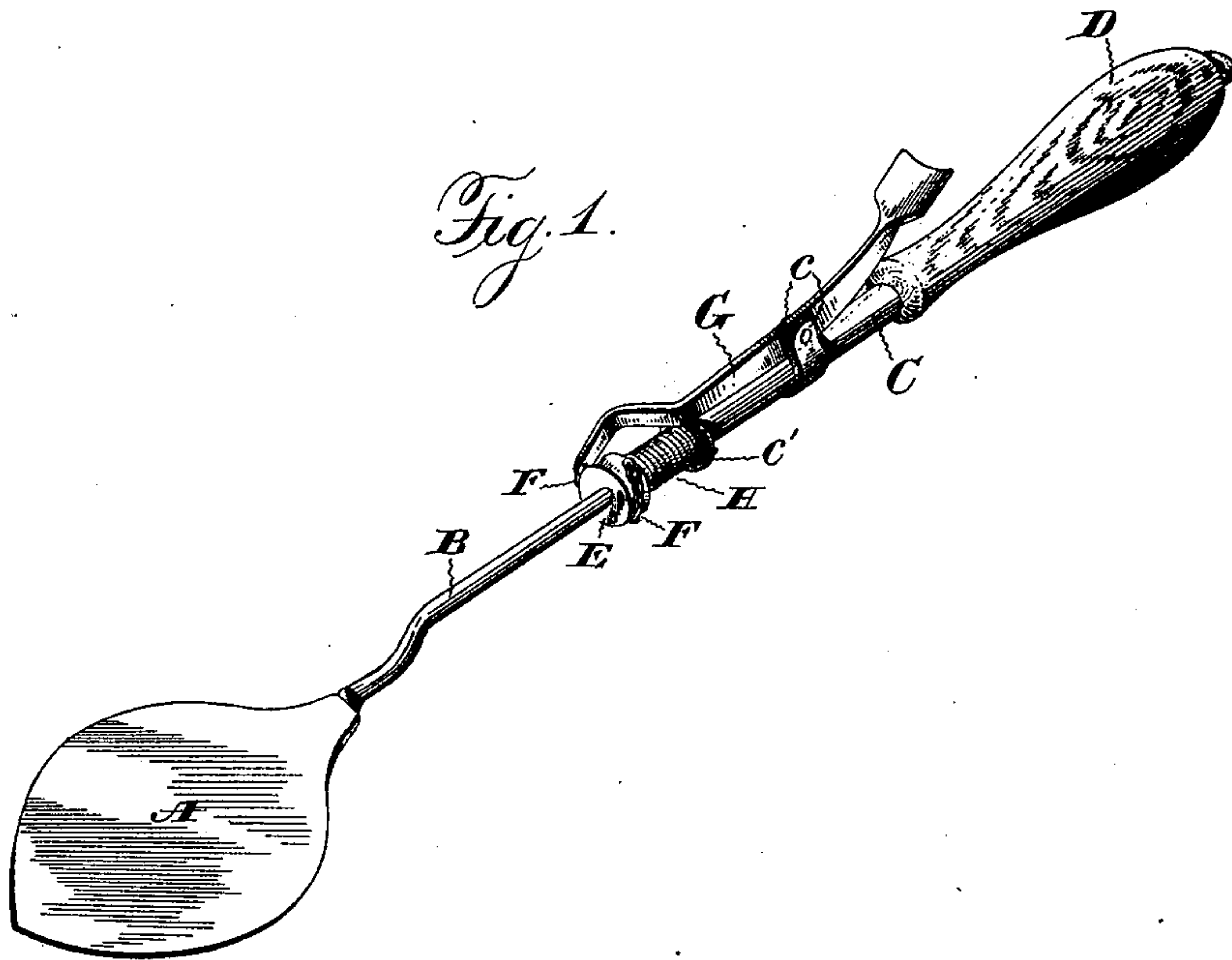


(No Model.)

E. R. HELGREN.  
CAKE TURNER.

No. 592,630.

Patented Oct. 26, 1897.



Witnesses:

James Hutchinson.  
Henry C. Hazard.

Inventor.

Eric R. Helgren, by  
Prindle and Russell, his Attys.

# UNITED STATES PATENT OFFICE.

ERIC R. HELGREN, OF AURORA, ILLINOIS.

## CAKE-TURNER.

SPECIFICATION forming part of Letters Patent No. 592,630, dated October 26, 1897.

Application filed February 18, 1897. Serial No. 624,027. (No model.)

*To all whom it may concern:*

Be it known that I, ERIC R. HELGREN, of Aurora, in the county of Kane, and in the State of Illinois, have invented certain new and useful Improvements in Cake-Turners; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my cake-turner; Fig. 2, a longitudinal section of the same, and Fig. 3 a cross-section on the line *x x* of Fig. 2.

Letters of like name and kind refer to like parts in each of the figures.

The design of my invention is to provide an efficient device for turning cakes when being cooked; and to this end said invention consists in the cake-turner constructed substantially as hereinafter specified.

In the carrying of my invention into practice I employ a sheet-metal plate A, of suitable shape, adapted to be readily passed under the cake and attached to one end of a rod B, that near the plate is given an upward bend or offset, so as to avoid striking the raised edge of the pan or griddle in which the cake may be cooking when the plate is slid beneath the cake.

The end portion of the rod B opposite the plate A for about half the length of the rod is contained within a sleeve or tube C, that is attached to a handle D, of wood or other material. Said sleeve or tube constitutes a bearing, within which the rod may be revolved through half a circle to cause the inversion of the plate A and so the turning and dropping of a cake which may be picked up by the same.

To revolve the rod, I place upon the same, at the inner end of the tube C, a collar E, to the periphery of which is attached one end of a cord or chain F, that extends part way around said periphery and has its other end connected to a lever G, that extends toward the handle D far enough to be reached by the thumb of the hand grasping said handle. The periphery of the collar E is grooved to prevent the chain slipping off the same side-wise. Said lever is pivoted between ears *c*,

projecting from the tube C, and when its end over the handle is depressed it causes the described half-revolution of the rod to effect the inversion and dropping of the cake. To produce the reverse movement of the rod to restore the plate to position for taking up and turning another cake, a coiled spring H is placed around the tube C, having one end engaging the collar E and the other end attached to a collar or flange *c'*, fixed to the tube. The movement of the rod both by the lever and the spring is limited to a half-revolution by providing a stop-pin *b* on the rod that engages shoulders *c<sup>2</sup>* and *c<sup>2</sup>* on the tube that are diametrically opposite each other. Preferably said shoulders are formed at the outer end of the tube by cutting away one-half thereof for a distance slightly greater than the diameter of the stop-pin. The pin *b*, besides performing the described function, also prevents endwise movement of the rod B in the tube C in one direction, while such movement in the opposite direction is prevented by the collar E engaging the adjacent end of the tube.

It is thought the manner of use of my cake-turner has been made clear in describing its construction, and hence no further description thereof will be given.

Having thus described my invention, what I claim is—

1. In a cake-turner, the combination of the cake-engaging plate, the rod to which the same is attached, a support within which the rod is rotatably mounted, a lever, a cord or chain connecting the lever and rod, and a spring to rotate the rod in a direction opposite that in which it may be rotated by the lever, substantially as and for the purpose shown.

2. In a cake-turner, the combination of a cake-engaging plate, a rod attached to the same, a tube within which said rod is mounted, a collar on the rod, a lever connected to said collar, and a spring also connected to the same, substantially as and for the purpose set forth.

3. In a cake-turner, the combination of a cake-engaging plate, a rod attached to the same, a tube within which said rod is mounted,



a collar on the rod, a lever pivoted to the  
tube, a cord or chain connecting the lever  
and collar, a coiled spring having one end  
engaging the collar, and a projection on the  
5 tube which the other end of the spring en-  
gages, substantially as and for the purpose  
shown.

In testimony that I claim the foregoing I  
have hereunto set my hand this 10th day of  
February, 1897.

ERIC R. HELGREN.

Witnesses:

J. P. CALLAN,  
CLARA LUCK.