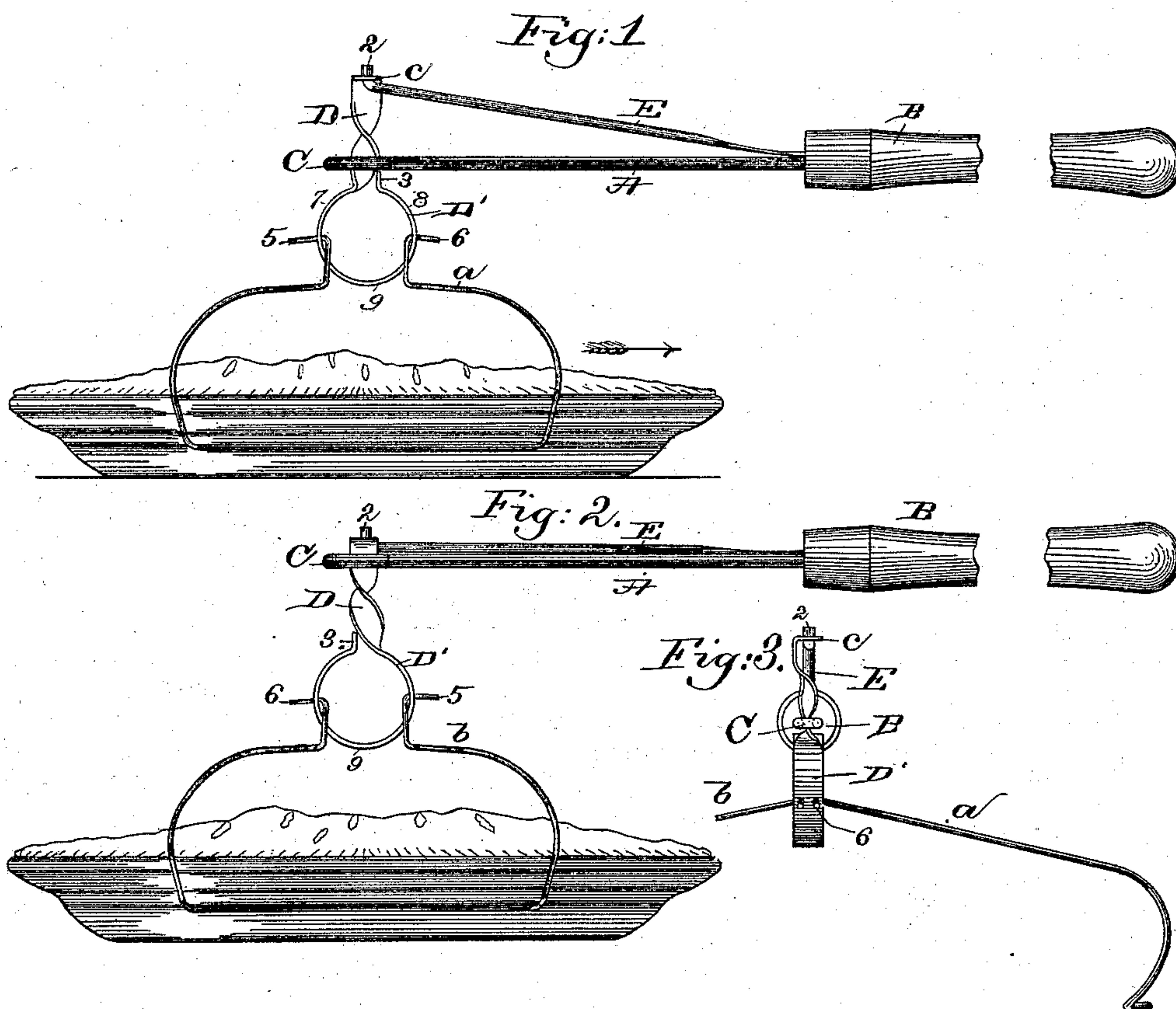


(No Model.)

W. E. LOCKE.  
PIE TURNER.

No. 406,654.

Patented July 9, 1889.



Witnesses.  
Howard F. Eaton.  
Frederick L. Emery.

Inventor:  
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Attys.



# UNITED STATES PATENT OFFICE.

WARREN E. LOCKE, OF WEST SOMERVILLE, ASSIGNOR OF ONE-THIRD TO  
THEODORE F. HOVEY, OF BOSTON, MASSACHUSETTS.

## PIE-TURNER.

SPECIFICATION forming part of Letters Patent No. 406,654, dated July 9, 1889.

Application filed March 9, 1888. Serial No. 266,664. (No model.)

*To all whom it may concern:*

Be it known that I, WARREN E. LOCKE, of West Somerville, county of Middlesex, and State of Massachusetts, have invented an Improvement in Pie-Turners, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object the production of a strong, simple, and durable pie-turner.

Prior to my invention pie-turners have been made consisting of a handle containing a spirally-slotted sleeve set into a ferrule carried by the handle, the spiral slot having extended through it a pin by which as the sleeve was depressed by the weight of a pie on the hooks below the sleeve the sleeve was compelled to rotate to turn the pie half-way around, the sleeve being connected with the lower end of a spiral spring. Another form of pie-turner comprises a handle having a spirally-twisted depending end rigid therewith, from which is suspended a pie-grasping medium, between which and the said depending end a spring is interposed, the pie-grasping medium having an axially rotary motion, and also a progressive motion up and down the said depending end.

A pie-turner to be practicable must be strong and durable, and in my efforts to make a pie-turner capable of harder usage and more durable than any known to me I have provided a handle with a loop or eye in which I have placed a spirally-twisted ribbon of metal, to which are pivoted independently the hooks or plate-lifters, the said spirally-twisted ribbon being normally held drawn into the loop of the handle by a spring-arm, shown as fixed with relation to the handle.

The invention consists of a pie-turner constructed and arranged substantially as hereinafter set forth and claimed.

Figure 1 in side elevation represents a pie-turner embodying my invention, it being shown as just having been engaged with a pie-plate resting on the bottom plate of an oven. Fig. 2 represents the pie-turner as having been elevated to lift the pie-plate, the latter having been in the meantime turned one-

half way about; and Fig. 3 is a partial end view of Fig. 1, looking at it from the left, the pie-plate being omitted.

A is the handle; B, the hand-piece; C, an elongated loop or eye made at the end of the handle by bending the wire of which it is composed.

D is a spirally-twisted metallic ribbon extended through and nearly filling the opening of the eye C, the said ribbon at its lower end being bent in suitable shape, as at D', to form a support for the two like-shaped hooks or plate-lifters *a b*, which are pivotally connected with the hook-supporting part D' at a point above its lower end, as will be described. The twisted metallic ribbon or stem is bent over at its upper end, as at *c*, to form a lug which, provided with a hole, is entered by a projection, as at 2, at the outer end of a spring-arm E, fixed at one end with relation to the handle, the other or free end of the spring-arm in connection with the stem acting normally to keep the stem in the position shown in Fig. 1, with the stop 3 herein shown as one end of the metallic stem against the under side of the handle.

The pie-turner herein described may be readily dismembered for shipment and quickly put together again for use, for the stem may be disengaged from the projection of the spring-arm and the latter be removed from the eye C, and the ends of the two hooks *a b* be sprung out of the holes in the hook-supporting part D' of the stem, each hook *a b*, as herein shown, having its ends to leave projections 5 6, which enter holes in the said part D', the portion 9 of the part D' serving to lift or hold up against its own gravity one of the hooks when the handle is turned slightly to engage one or the other of the said hooks with the plate to be lifted or turned.

I claim—

1. The herein-described pie-turner, consisting, essentially, of a rigid handle A, formed with the elongated guide-eye C, the spirally-twisted metallic ribbon D, arranged in and vertically and rotarily movable in said guide-eye, the flat spring E, connected with the handle and with the ribbon at one side of the guide-eye in said handle, and the hooks or arms attached to the ribbon at the opposite

side of said guide-eye and adapted to engage a pie-plate, substantially as described.

2. The rigid handle A, terminating at one end in the guide-eye C, and a flat spring-arm B, arranged above the handle, combined with a spirally-twisted ribbon arranged in the said guide-eye and pivoted to the spring-arm, and having a stop to limit its upward movement, and two hooks pivoted to the lower portion  
10 of the said ribbon, substantially as described.

3. The handle A, having a guide-eye, and a spring interposed between the handle and the upper end of the spirally-twisted ribbon, combined with said spirally-twisted ribbon ar-

ranged in the guide-eye, and pivotally at- 15  
tached at its upper end to the spring and at its lower end bent to form a hook-supporting portion, and two hooks pivoted to said portion intermediate of its extremities to provide for the separation of the hooks, sub- 20  
stantially as and for the purpose set forth.

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

WARREN E. LOCKE.

Witnesses:

JAS. H. LANGE,  
B. J. NOYES.