

(No Model.)

H. KLEIN.

CAN SOLDERING TOOL.

No. 284,641.

Patented Sept. 11, 1883.

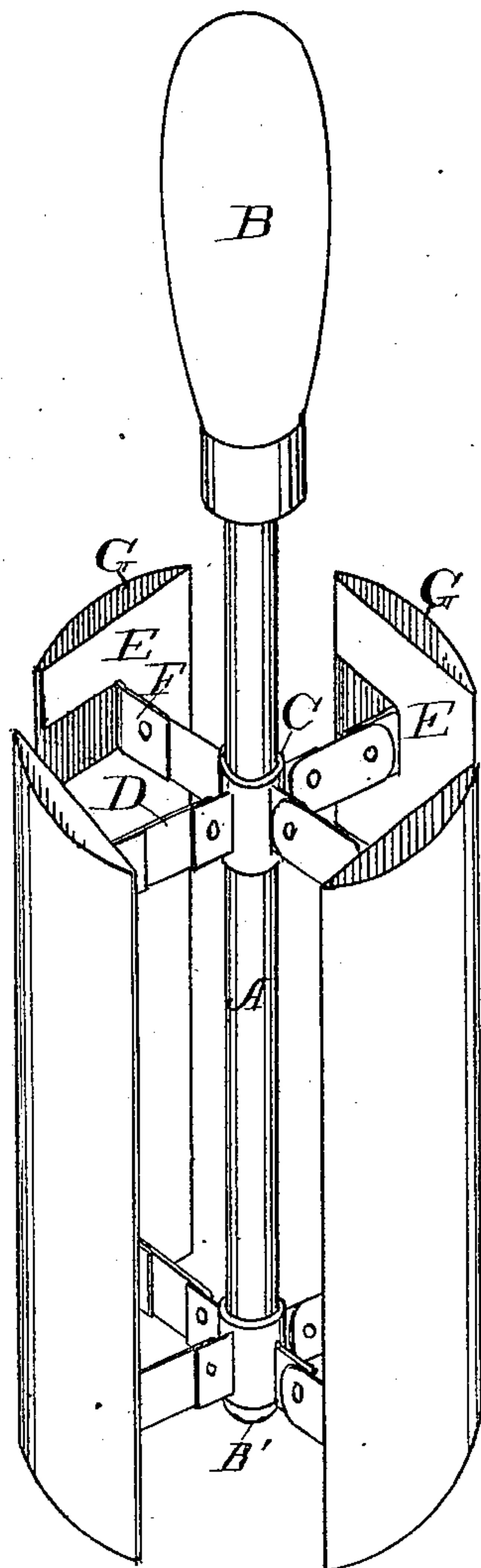


Fig. 1

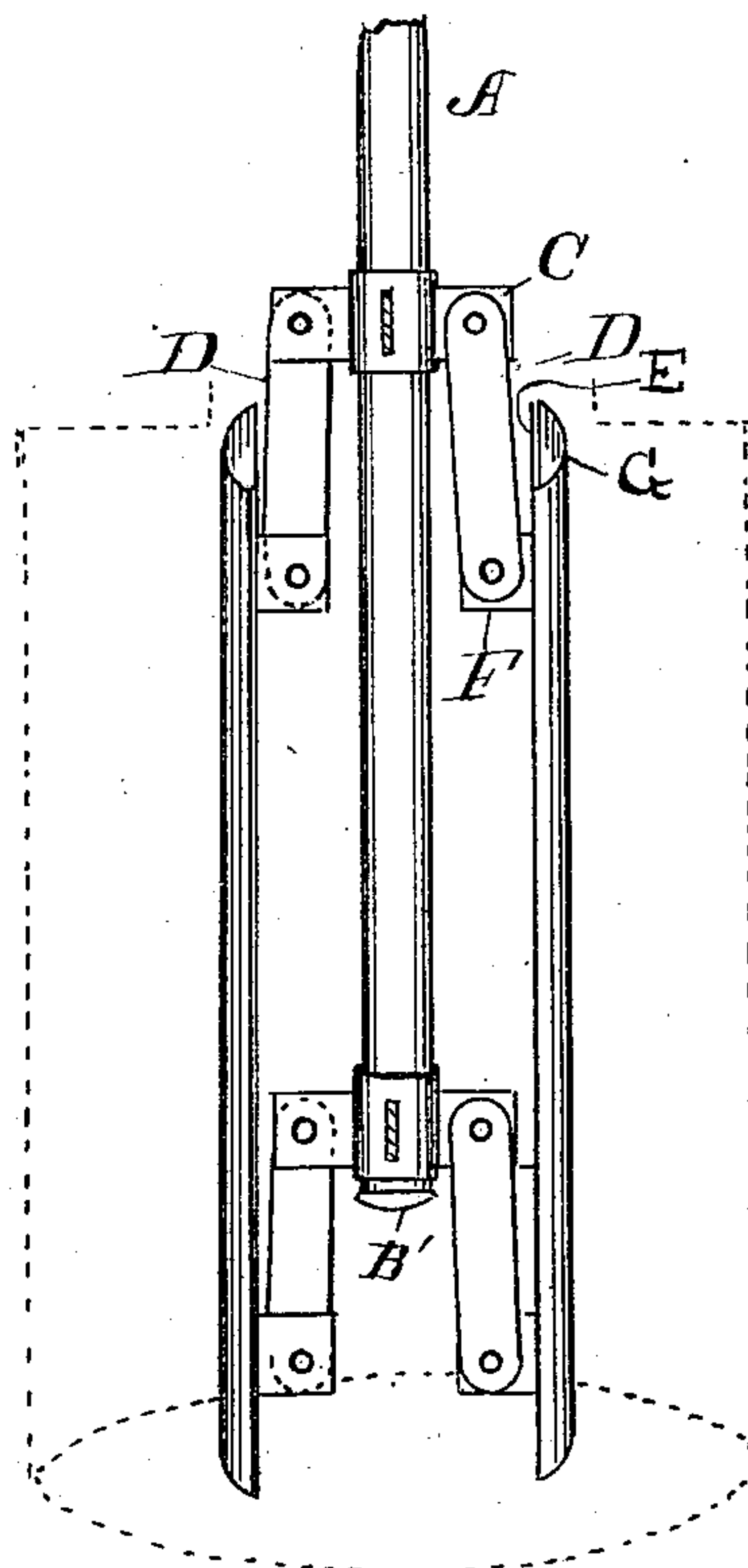


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY KLEIN, OF CINCINNATI, OHIO.

CAN-SOLDERING TOOL.

SPECIFICATION forming part of Letters Patent No. 284,641, dated September 11, 1883.

Application filed June 1, 1883. (No model.)

To all whom it may concern:

Be it known that I, HENRY KLEIN, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Can-Soldering Tools, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective view of my improved can-holder. Fig. 2 is a perspective view of the same folded.

The object of the present invention is to provide an efficient device for extending the periphery of fruit or other cans and holding same in a rigid manner while the solder is being applied in fastening the top and bottom to the can.

In the drawings, A is the main frame or shaft, formed of bar-iron or any suitable material, provided at its upper end with a suitable handle, B. The lower end of the shaft is provided with an elastic button, B'. A short distance below the handle B the shaft or frame A is provided with a sleeve, C, firmly secured to the main frame. Four or more lugs or ears are placed on the periphery of the sleeve radiating from the shaft. The lower end of the shaft is provided with a similar device. Hinged to each of these arms C is a link or arm, D, of suitable length. Two of these arms—one above the other—are fixed to these thimbles in the same plane. It will be necessary that all these arms should be of the same length. Affixed at the ends of each two of these arms is a piece, E, the inner surface at right angles with the arms D. Near each end two transverse incisions are made in this piece from the

sides as far as the center, and the tongue F thus formed is turned up at right angles with the piece E. These tongues being in the same plane as the ears C permit of the tongue F being pivoted or hinged to the arms D. A lateral extension of the side of the piece E opposite to the one from which the tongue F is formed is bent around outwardly in a circle on itself with the opposite side of the piece E. The segment of a circle is thus formed, and the circumference of the four pieces is a little less than the circumference of the can to be made. This outer leaf of segment acts as a spring in forcing out the periphery of the can and holding the same in position while soldering.

When a can is to be soldered, the rim of the can is bent and set onto the flanged bottom. The head of the can, having the opening for filling, and also properly flanged around the edge, is placed on the opposite end.

I claim—

The combination of the central frame or shaft, A, and the plates E, secured to the arms or links D, as shown, each plate having the return-leaf G, bent to form a spring-segment, and adapted to rest against the inner surface of a can during the process of manufacture for holding the same, substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand, this 27th day of April, 1883, in the presence of witnesses.

HENRY KLEIN.

Witnesses:

HENRY HAVMEYER,
GEO. W. CORMACEY.