

H. MILLER.

Improvement in Egg Beaters.

No. 123,353.

Patented Feb. 6, 1872.

Fig. 1

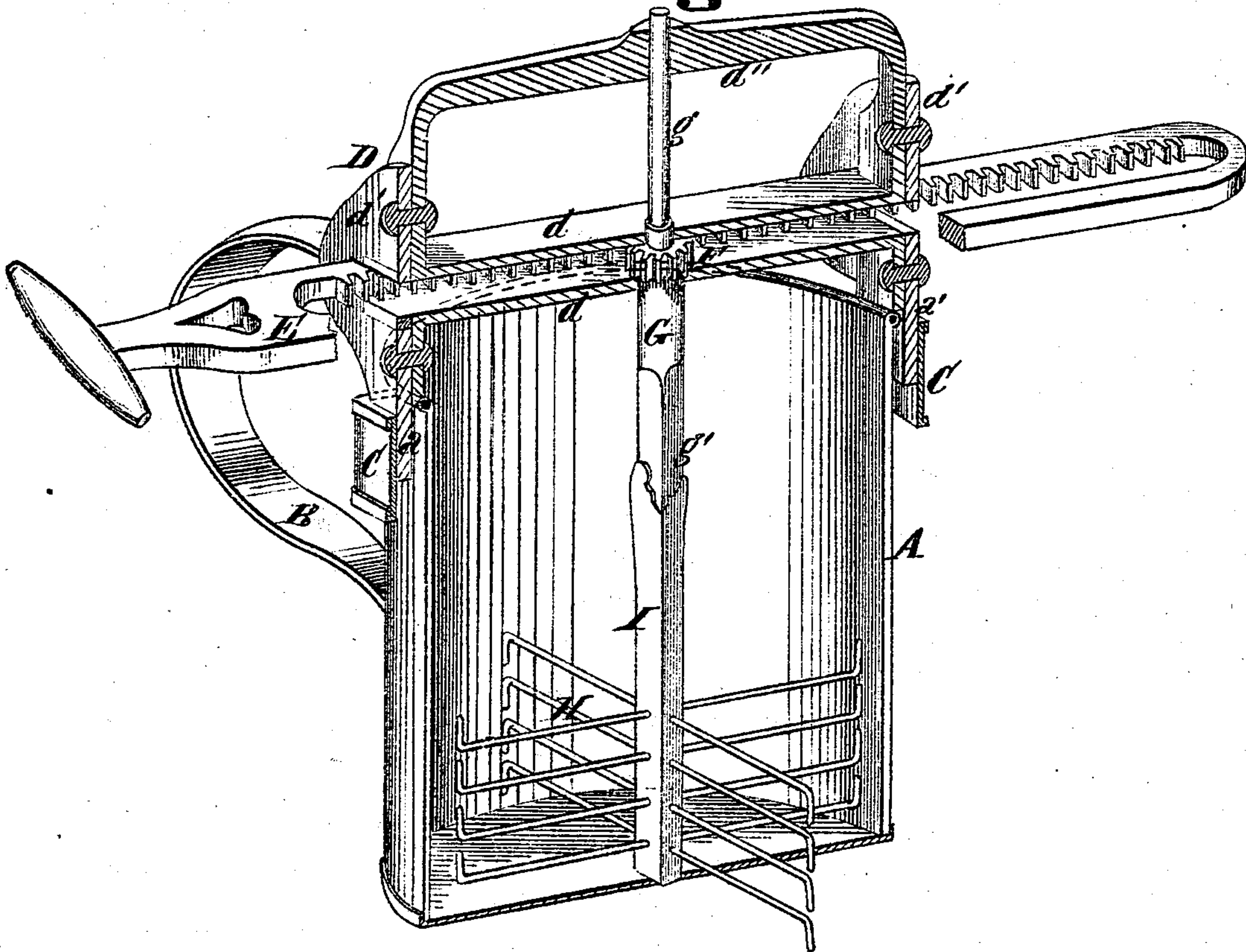
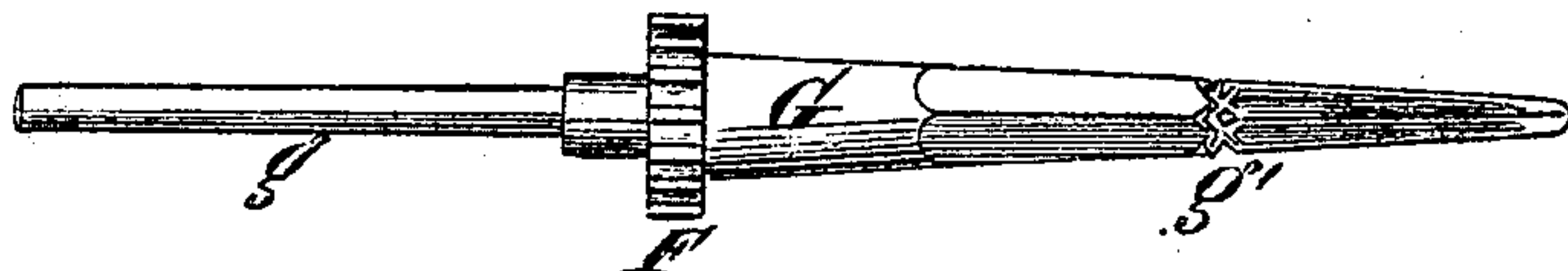


Fig. 2



Attest

Henry Millard
Atty. General

Inventor

Harvey Miller
By F. Millard
Attorney

UNITED STATES PATENT OFFICE.

HARVEY MILLER, OF CINCINNATI, OHIO.

IMPROVEMENT IN EGG-BEATERS.

Specification forming part of Letters Patent No. 123,353, dated February 6, 1872.

I, HARVEY MILLER, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Improvement in Egg-Beaters, of which the following is a specification:

Nature and Objects of Invention.

My invention relates to improvements upon the egg-beater for which Letters Patent No. 18,759 were issued to me December 1, 1857; and consists in a peculiar device for securing the wires of the beater to the spindle, by which cheap and systematic manufacture is effected.

Description of the Accompanying Drawing.

Figure 1 is a sectional perspective view of my improved egg-beater attached to its can. Fig. 2 is a view of the spindle before the wire-beaters are secured to it.

General Description.

A is a common tin-cup provided with the customary handle B. In order to provide suitable connection for the beating apparatus two sockets, C C, are soldered to the cup, into which the shanks *a a'* of the frame D snugly fit. When the beating apparatus is detached the cup can be used for ordinary purposes. The frame D is composed of plates *d d* and end pieces *d' d'*, secured together in the manner shown. The reciprocating-rack E is fitted between the plates *d d*, and the pinion F is journaled in said plates. The construction and operation of the rack and pinion is substantially the same

as that shown in my former patent, No. 18,759. The spindle G, to which the pinion F is secured, is of the following improved construction: From the upper end projects a long extension, *g*, of small diameter, which is journaled in a bracket, *d''*, provided for it. The provision of the bracket *d''* and extension *g* of the spindle gives a lengthy support to the spindle, which gives durability to the beater and prevents shackling in use. In order to avoid drilling and provide a cheap attachment for the beater-wires H, I have devised the following simple connection: The lower end of the spindle is a tapering square shank, *g'*, notched or otherwise roughened, as shown. The wires are cut to the required length and bent at the ends and placed in a mold, which is so shaped that when soft metal is run or poured in, the square shank I will be formed. This shank in cooling firmly connects the wires H and shank *g'* together.

Claim.

The combination, in an egg-beater such as herein set forth, of spindle G *g'*, beater-wires H, and soft-metal connecting-shank I, substantially as described, and for the purpose specified.

In testimony of which invention I have hereunto set my hand.

HARVEY MILLER.

Witnesses:

FRANK MILLWARD,
J. L. WARTMANN.