

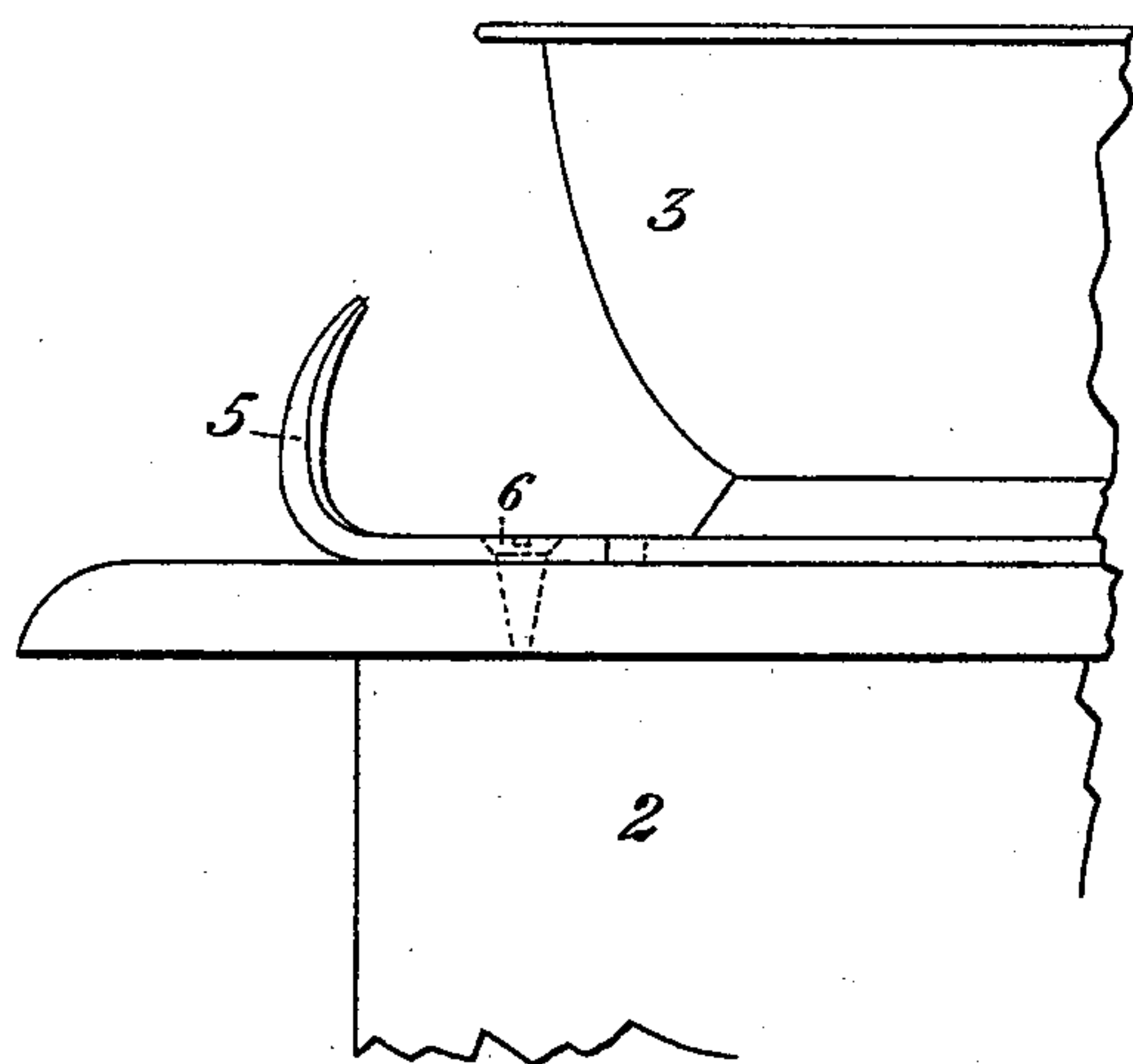
(No Model.)

A. E. PHILLIS.  
COFFEE MILL.

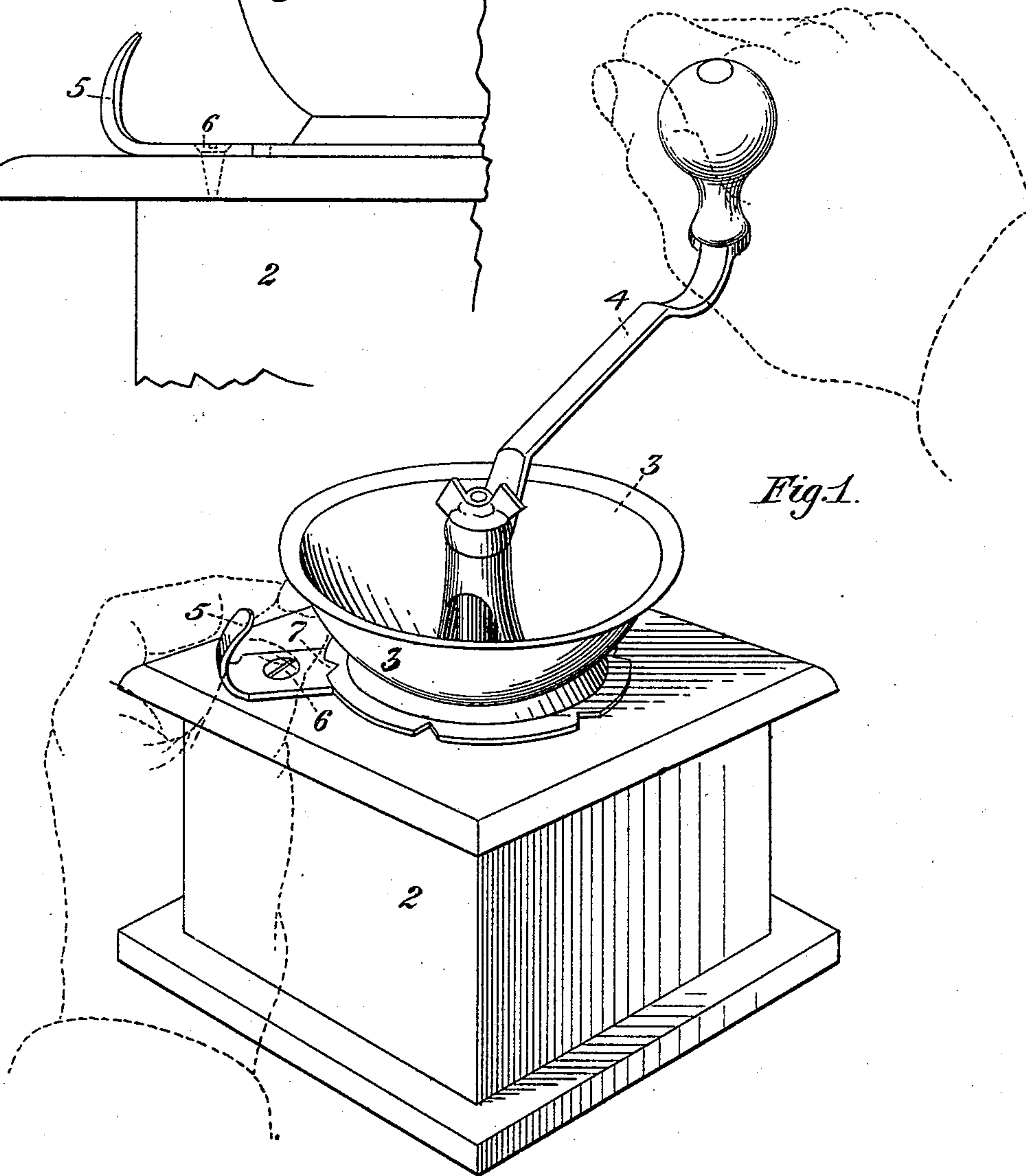
No. 449,086.

Patented Mar. 24, 1891.

*Fig. 2*



*Fig. 1*



WITNESSES.

*A. M. Clarke*  
*H. M. Lawrence*

INVENTOR.

*Avery E. Phillis*  
*by W. Russell Stone*  
*his Attorneys*

# UNITED STATES PATENT OFFICE.

AVERY E. PHILLIS, OF NEW BRIGHTON, PENNSYLVANIA, ASSIGNOR TO THE  
LOGAN & STROBRIDGE IRON COMPANY, OF SAME PLACE.

## COFFEE-MILL.

SPECIFICATION forming part of Letters Patent No. 449,086, dated March 24, 1891.

Application filed July 14, 1890. Serial No. 358,705. (No model.)

*To all whom it may concern:*

Be it known I, AVERY E. PHILLIS, of New Brighton, in the county of Beaver and State of Pennsylvania, have invented a new and  
5 useful Improvement in Coffee-Mills, of which the following is a full, clear, and exact description.

The object of my invention is to provide convenient means for holding coffee-mills by  
10 the hand during their use in grinding. Such coffee-mill is usually held by one hand while the crank is turned by the other, and because of its inconvenient shape it is difficult to hold it against the turning force caused by the re-  
15 sistance of the coffee-berries to the action of the crank and grinding-cone. This increases the exertion required to operate the mill, and often causes spilling of the coffee. The device which I have invented to prevent this is  
20 remarkably simply and effective; and in its preferred construction shown in the drawings it consists of a hook or thumb-piece situate on the top of the coffee-mill box and adapted to be held by the thumb of one hand, the fin-  
25 gers of which bear against the side of the box, leaving the other hand free to operate the crank. Instead of putting the thumb-piece opposite the middle of one of the sides of a rectangular box, I place it opposite or nearly  
30 opposite one of the corners. In using the box the fingers of the hand fit around the box corner, and the thumb fits against the thumb-piece, and the box is thus held in an easy and natural position, and the tendency to shift  
35 the box occasioned by turning the crank is resisted.

Figure 1 of the accompanying drawings shows one of my improved coffee-mills in per-  
40 spective, and Fig. 2 is a side elevation of part of the box.

The drawings show my improvement ap-  
plied to a coffee-mill having an elevated hop-  
per; but it will be understood that it is equally  
applicable to sunken-hopper mills.

2 is the box of the mill, 3 the hopper, and 45  
4 the crank. To the top of the box I fix a hook-shaped thumb-piece 5, having its hooked portion projecting vertically. This thumb-  
piece may be secured to the box by a screw  
6, and as a convenient device for holding it 50  
from rotation it may have a small projection 7, which takes into a notch on a flange of the hopper. Other securing devices may be em-  
ployed—for example, the thumb-piece may be  
made integral with the hopper-flange. 55

My improved device affords very conven-  
ient means for holding the box, for when the  
corner of the box is grasped by the left hand  
the thumb naturally rests against the thumb-  
piece, and the box can be held without diffi- 60  
culty while the crank is turned by the other  
hand, as shown in Fig. 1.

I claim—

1. The combination, with a coffee-mill box  
of rectangular horizontal section, of a thumb- 65  
piece set on the top of the box substantially  
opposite to one of the corners thereof, sub-  
stantially as and for the purposes described.

2. The combination, with a coffee-mill box,  
of a thumb-piece adapted to be held by the 70  
thumb while the box is grasped by the hand,  
said thumb-piece being connected with the  
hopper-flange by a projection and recess, sub-  
stantially as and for the purposes described.

In testimony whereof I have hereunto set 75  
my hand this 8th day of July, A. D. 1890.

AVERY E. PHILLIS.

Witnesses:

W. A. COVENTRY,  
C. C. ROBINGTON.