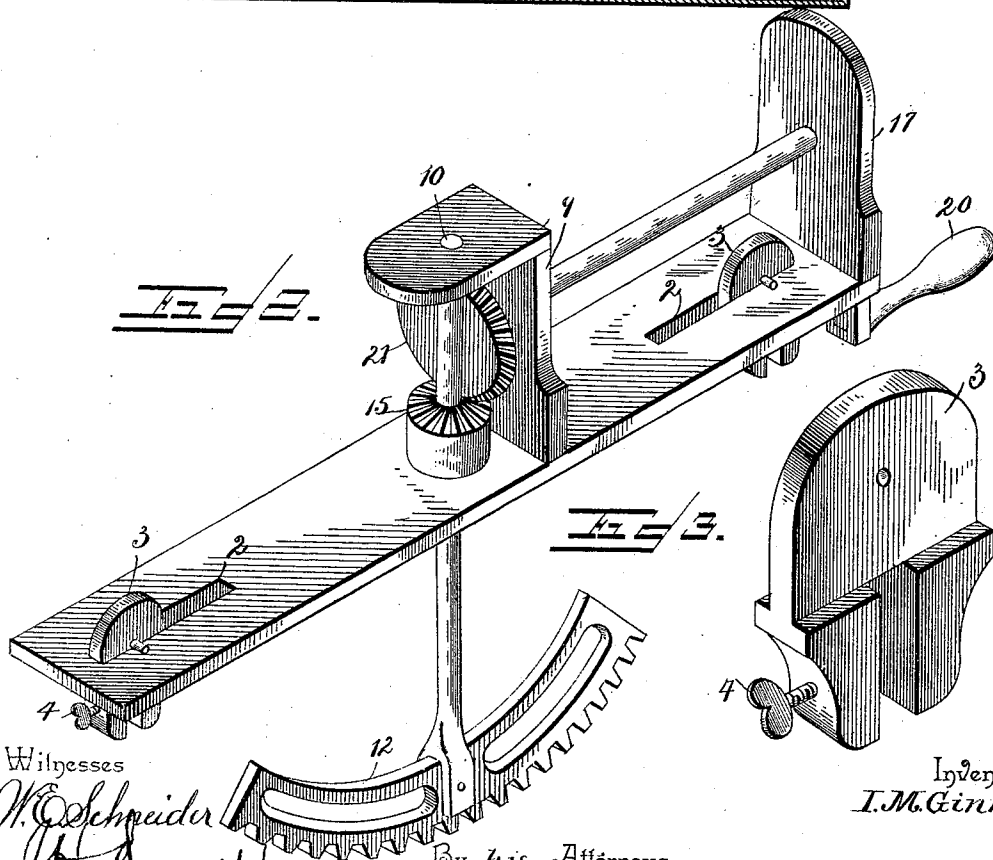
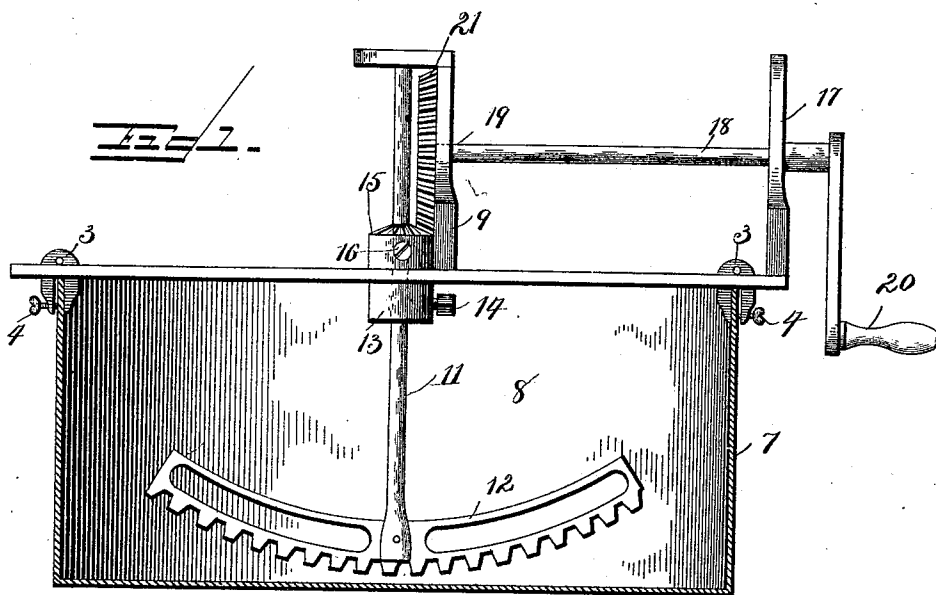


(No Model.)

I. M. GINN.
COFFEE STIRRER.

No. 513,179.

Patented Jan. 23, 1894.



Witnesses

W. C. Schneider
J. H. Rogers,

By his Attorneys,

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Inventor
I. M. Ginn.

UNITED STATES PATENT OFFICE.

ISAAC M. GINN, OF BLANCHARD SPRINGS, ARKANSAS.

COFFEE-STIRRER.

SPECIFICATION forming part of Letters Patent No. 513,179, dated January 23, 1894.

Application filed November 26, 1892. Serial No. 453,222. (No model.)

To all whom it may concern:

Be it known that I, ISAAC M. GINN, a citizen of the United States, residing at Blanchard Springs, in the county of Union and State of Arkansas, have invented a new and useful Coffee-Stirrer, of which the following is a specification.

My invention relates to improvements in coffee-stirrers; the objects in view being to provide a cheap and simple stirring attachment capable of being applied to the various sizes of coffee-roasting pans; to be removed therefrom when not in use; and when in use to be conveniently operated.

With these objects in view the invention consists in certain features of construction hereinafter specified and particularly pointed out in the claim.

Referring to the drawings:—Figure 1 is a vertical transverse section of a coffee-roasting pan having a stirring device constructed in accordance with my invention applied thereto. Fig. 2 is a perspective in detail of the attachment. Fig. 3 is a perspective view in detail through one of the adjustable clamps.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the base of the attachment, and the same is provided near its ends with longitudinal slots 2, in each of which is mounted an inverted U-shaped clamp 3, best shown in Fig. 3. Each clasp is provided at one side with a set-screw 4, and above the same is reduced forming a shoulder 5, and is perforated above the shoulder to receive a pin 6, which when driven in position serves to bind or draw the shoulder snugly against the under side of the base 1. It will be seen therefore that the clamps may be adjusted within the slots 2 and therefore are adapted to take over the vertical wall 7 of an ordinary coffee-roasting pan 8 of any diameter whatever within the scope of the attachment. The center of the attachment is provided with a bearing opening and at one side thereof there rises an inverted L-shaped standard 9 provided at its upper end with a bearing-opening 10 that aligns with that in the base 1. In the opening 10 and that in the base there is journaled a vertical stirring-shaft 11, which at its lower

end carries a segmental, stirring-head or arm 12. A washer 13 is located upon the shaft 11 below the base 1 and is secured in position in an adjustable manner by means of a set-screw 14. Above the base 1 a toothed pinion 15 is mounted on the shaft 11, and is also secured in position by a set-screw 16. It will thus be seen that the shaft 11 may be raised and lowered within the bearing-openings in the base and standard 9 so as to adapt it to take into roasting-pans of different depths and be located at a suitable point near the bottom of the same. One end of the base has rising therefrom a vertical bearing-standard 17, and in the same is journaled a horizontal shaft 18 the inner end of which takes bearing in a bearing 19 formed in the vertical portion of the inverted L-shaped bearing standard 9. The outer end of the shaft 18 is provided with a crank-handle 20, and the inner end beyond the standard 9, is provided with a gear-wheel 21, whose teeth engage with those of the pinion 15.

This completes the construction of the attachment, and the manner in which the same is applied and secured to the coffee-roasting pans will be obvious, it being simply necessary to adjust the clamps so as to agree in distances apart with the diameter of the pan, insert the clamps over the wall of the pan, and tighten the screws 4. When in operation the coffee is roasted in the usual manner, the same being constantly stirred by the revolving stirring-arm or head 12 operated through the medium of the crank-handle 20, shaft 18, beveled gear 21, and pinion 15.

It will be seen that the attachment may be readily removed when not in use, and may be applied as readily when it is desired to use the same, and finally that the attachment is designed to be used in connection with pans of varying depths and diameters.

Having described my invention, what I claim is—

The herein described stirring-attachment for coffee roasting pans, the same consisting of a pan spanning base provided near its ends with longitudinal slots, inverted U-shaped clamps reduced at their upper ends and located for movement in the slots of the base

and adapted at their lower ends to removably engage with the edge of the pan, binding screws located in the clamps and adapted to impinge upon the pan, pins passed transversely through the clamps near their upper ends above the base, and stirring-devices carried by the base, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ISAAC M. GINN.

Witnesses:

H. WADE,

W. Z. RISINGER.