(No Model.)

E. U. WIESENDANGER.

COFFEE MILL ATTACHMENT.

No. 349,021. Patented Sept. 14, 1886.

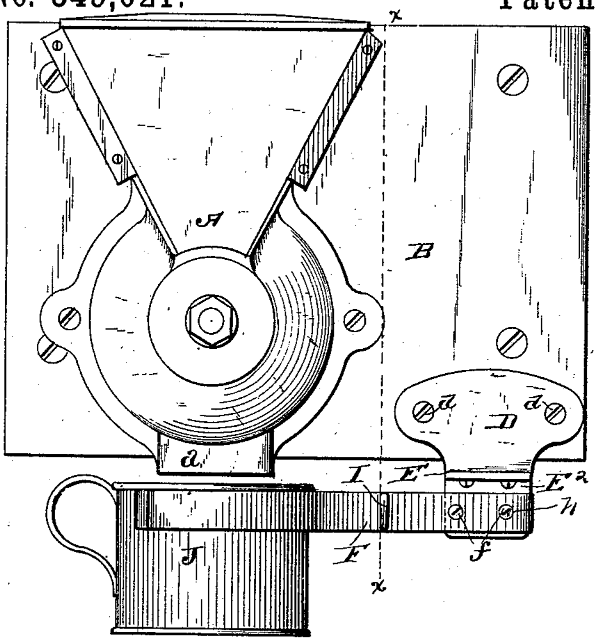


Fig-1-

Fig-2-

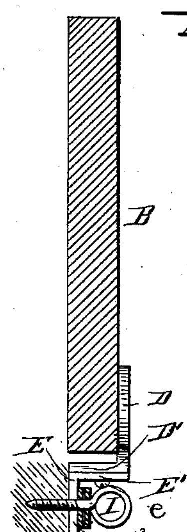
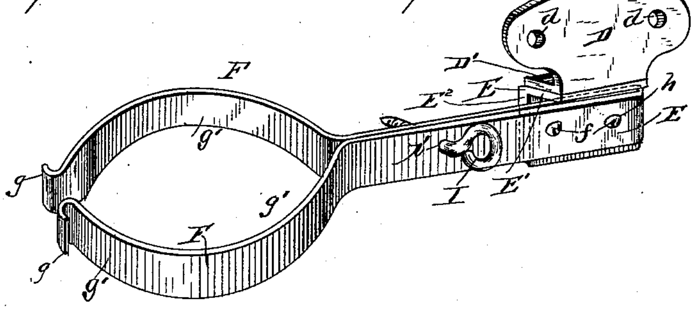


Fig-3-



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UNITED STATES PATENT OFFICE.

EMIL ULRICH WIESENDANGER, OF COMANCHE, TEXAS.

COFFEE-MILL ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 349,021, dated September 14, 1886.

Application filed May 3, 1886. Serial No. 200,973. (No model.)

To all whom it may concern:

Be it known that I, EMIL ULRICH WIESENDANGER, a citizen of the United States, residing at Comanche, in the county of Comanche and State of Texas, have invented a new and useful Improvement in Coffee-Mill Attachments, of which the following is a specification.

My invention relates to improvements in attachments for coffee-mills; and it consists of the peculiar combination and novel construction and arrangement of the various parts for service, substantially as hereinafter fully set forth, and particularly pointed out in the claims.

The object of my invention is to provide an attachment for coffee-mills, whereby a cup or other receptacle can be suspended beneath the discharge-spout of the mill to receive the ground coffee therefrom, and which vessel can also be easily and readily fitted or adjusted beneath or removed from the discharge-spout, and to provide means which can be applied very easily and readily to hand coffee-mills of any class, and which shall be simple in construction and inexpensive.

In the accompanying drawings, Figure 1 is a front elevation of a coffee-mill secured upon a wall of a kitchen or other place, and having my improved receptacle-holding attachment applied thereto. Fig. 2 is a vertical sectional view on the line *x x* of Fig. 1. Fig. 3 is a detached perspective view of the parts of my invention.

Referring to the drawings, in which like letters of reference denote corresponding parts in all the figures, A designates a coffee-mill especially designed for domestic purposes, and which is of the ordinary well-known cone-disk and concave class at present in extensive use; and this mill is provided with the usual contracted discharge-spout or throat *a*, and is secured upon a back plate or board, B, by screws or other suitable fastening devices. The back plate or board is secured to a wall or other place in a kitchen by screws or other suitable fastening devices, and to one side and the lower edge of the back plate is attached my invention for supporting a receptacle or vessel beneath the discharge-spout *a* of the mill.

My attachment comprises a bracket-plate, D, a carrying-plate, E, and the yielding retaining-arms F, all of which are detachably secured together and to the back plate or board. The bracket-plate D is provided at its lower edge with a right-angled flange, D′, that projects inwardly beneath the lower edge of the back plate, and the bracket-plate is also secured to the back plate or board by screws *d*, that pass therethrough and into the said back plate to detachably secure the parts together.

The carrying-plate E comprises two right-angled portions, E′ and E², which are made of a single piece of metal, and the upper or horizontal portion, E′, is detachably secured to the right-angled flange D′ of the bracket-plate D by screws or bolts *e*, that pass through the portion E′ of the plate E and the flange D′; and to the vertical or lower portion, E², of the carrying-plate is detachably secured the inner ends of the supporting-arms F, which are secured to the portion E² of plate E by screws *f*, that pass through the same and the arms, as will be very readily understood. The supporting-arms F are made or formed from a single piece of metal, so that they are integral with one another, and the outer ends of the arms are bent to form the curved lips *g*, that are flared outwardly to permit a receptacle or cup to be passed freely between them and be engaged with the curved portions *g′* of the supporting-arms. The curved portions *g′* of the arms are of any suitable shape to receive and snugly fit a receptacle, and the arms are made of spring metal, so that they can expand or dilate laterally of each other to receive a receptacle to be placed between them and support the same. The inner ends of the arms are provided with the openings *h*, for the passage therethrough of the screws that secure them to the carrying-plate, and the said inner ends of the arms are further provided with aligned openings *i*, through which are passed a binding-screw, I, that screws into the wall or other place to aid in supporting the arms and preventing them from displacement when the weight of the contents in the receptacle carried by the arms is considerable.

To apply my improved vessel-holding attachment to a coffee-mill of the class shown herein, the bracket-plate is first adjusted upon the lower edge of the back plate or board of

the mill and secured thereto by screws. The carrying-plate is then secured to the right-angled flange D′ of the bracket-plate, and the supporting-arms are secured to the carrying-plate, after which the binding-screw is passed through the openings *i* of the arms and into the wall to support and brace the arms. When a receptacle—such, for instance, as a cup, J, (shown in Fig. 1,)—is to be placed in the arms, it is adjusted in contact with the outwardly turned or flared lips *g* of the arms, and forced inwardly between the same, the arms yielding laterally of each other to permit the receptacle to pass between them, and they then close and bind on the receptacle to support the latter in place very securely and firmly. After the receptacle has been filled with the ground coffee delivered from the discharge-spout *a* of the mill A, it can be easily and readily removed from engagement with the arms by merely pulling the receptacle outwardly therefrom, when they will yield to permit of the passage of the receptacle out from between them.

The attachment can be readily removed from the mill, and the parts detached or disconnected from each other to store or pack them away very compactly, and to replace or repair one or more of the parts when they are broken, &c.

It will be seen that the receptacle is very securely supported in proper position beneath the discharge-spout of the mill, that both hands of the operator are free to operate the mill, that the receptacle is held in place without any attention from the operator, and that the receptacle can also be inserted or removed by merely forcing it between or pulling it from the arms without adjusting or operating the latter by the attendant.

The attachment can be very readily applied to any class of coffee-mill used for domestic purposes by an unskilled person, and it is simple and strong in construction, inexpensive of manufacture, and effective for the purposes designed.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An attachment for supporting receptacles for coffee-mills, comprising a bracket-plate, a carrying-plate attached thereto, and the laterally-yielding arms secured to the carrying-plate, substantially as described.

2. A receptacle-supporting attachment for coffee-mills, comprising a bracket-plate having an angular flange, a right-angled carrying-plate detachably secured to the flange of the bracket-plate, and the spring-arms for receiving a receptacle and arranged at right angles to the carrying-plate, substantially as described.

3. The combination, with the back plate of a coffee-mill, of a bracket-plate detachably secured thereto, a carrying-plate secured to the bracket-plate, and the laterally-yielding supporting-arms carried by the carrying-plate, substantially as described.

4. The combination, with the back plate or board of a coffee-mill, of a bracket-plate detachably secured thereto, a carrying-plate, the longitudinally-curved arms made in a single piece of metal and secured to the carrying-plate, and a binding-screw passing through the arms for bracing the latter, substantially as described.

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

EMIL ULRICH WIESENDANGER.

Witnesses:
J. D. SHERRILL,
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