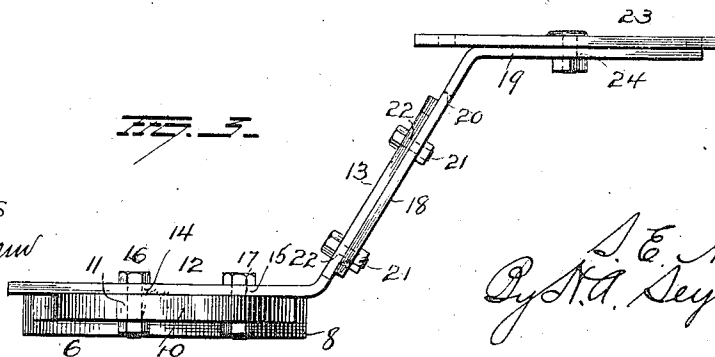
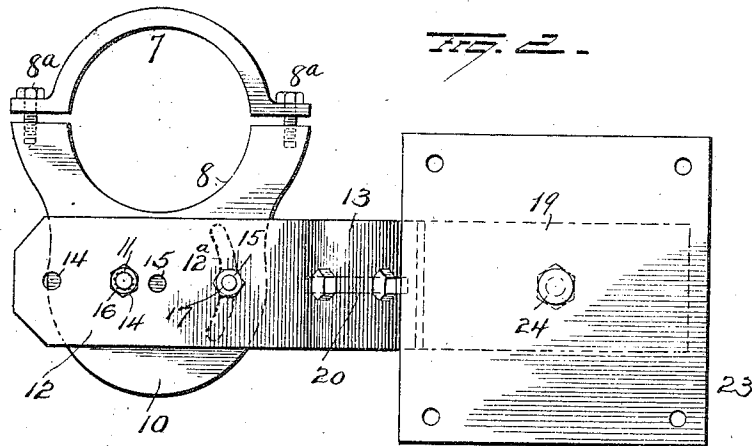
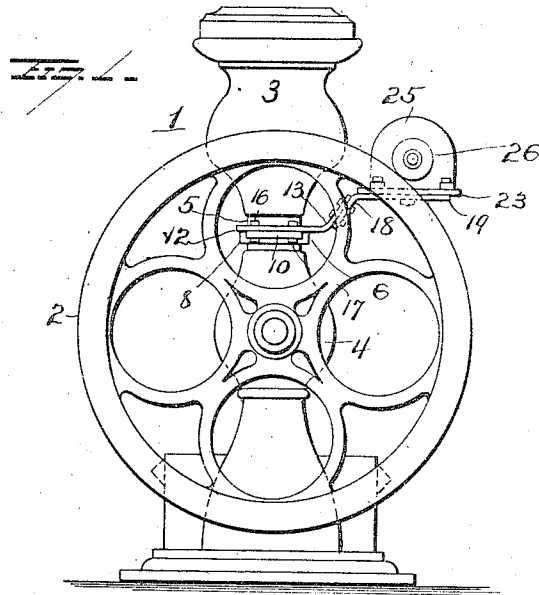


S. E. AMMAN.
ATTACHMENT FOR MILLS.
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1,060,411.

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WITNESSES
E. Nottingham
G. J. Downing

INVENTOR
S. E. Amman
C. A. Seymour
Attorney

UNITED STATES PATENT OFFICE.

SIMON E. AMMAN, OF PIQUA, OHIO.

ATTACHMENT FOR MILLS.

1,060,411.

Specification of Letters Patent.

Patented Apr. 29, 1913.

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To all whom it may concern:

Be it known that I, SIMON E. AMMAN, a resident of Piqua, in the county of Miami and State of Ohio, have invented certain new and useful Improvements in Attachments for Mills; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in attachments for mills and more particularly to means for supporting an electric motor on the mill and in operative relation to the fly wheel thereof—the object of the invention being to provide simple and efficient means whereby an electric motor can be attached directly to the structure of an ordinary hand power mill and be so supported that it can be adjusted to position to cooperate with the fly wheel of the mill and thus supply power to operate the latter—my improvements being particularly intended for application to coffee mills, such as employed in retail stores.

With this object in view, the invention consists in certain novel features of construction and combinations of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of a coffee mill showing the application of my improvements thereto. Fig. 2 is a plan view of the motor supporting devices. Fig. 3 is a side elevation of the same.

1 represents a coffee mill provided with the usual fly wheel 2 on the shaft of the grinding mechanism and the mill is also provided with a hopper 3 connected with the body portion 4 of the mill by neck portion 5, all of which is the ordinary and common construction of coffee mills now in use. My improved motor supporting means are secured to the neck portion 5 of the mill, as shown in Fig. 1. These supporting devices will now be described in detail.

6 represents a clamp comprising two parts 7—8 to embrace the neck portion 5 of the mill, to which latter said portions of the clamp are secured by means of bolts or screws 8^a. The portion 8 of the clamp is provided with a flat arm or platform 10 having a hole 11 and a curved slot 12^a concentric with said hole. A bar 12 is disposed upon the arm or platform 10 and provided with an arm or extension 13 which projects

upwardly therefrom at an obtuse angle. The bar 12 is provided with a plurality of holes 14 and also with a plurality of holes 15. A bolt 16 is passed through one of the holes 14 and through the hole 11 in the arm or platform 10 and thus pivotally connects the bar 12 with said arm or platform. A bolt 17 passes through one or the other of the holes 15 in the bar 12 and through the elongated slot 12^a in the arm or platform 10. By thus connecting the bar 12 with the arm or platform 10, said bar can be adjusted by turning it on the bolt 16 and it can also be adjusted outwardly by passing the bolt 16 through one or the other of the holes 14 in said bar 12. The depending inclined arm 18 of a horizontal bar 19 lies parallel with the inclined arm 13 of the bar 12 and is provided with an elongated slot 20 for the passage of bolts 21 which latter also pass through holes 22 in the arm 13. The arms 13 and 20 are thus adjustably secured together in a manner to permit vertical adjustment of the horizontal bar 19. The bar 19 constitutes a support for a platform 23 which is secured to said bar 19 by means of a suitable bolt passing through a hole 24 in said bar 19. The platform 23 supports an electric motor 25 which is secured thereto by means of suitable bolts located at the corners of the base of said motor and passing through suitable holes near the corners of said platform. The armature shaft of the motor is provided with a friction wheel 26 to engage the peripheral portion of the fly-wheel 2 of the mill. Suitable electric connections will be provided for the motor and if desired, a switch may be located on the clamp 6 or the motor may be connected by means of a flexible conductor and a socket piece to the lamp socket connected in circuit from any suitable source of electric supply.

It will be seen that by reason of the various adjustments of which my improved supporting devices are capable, an electric motor can be secured directly to any coffee mill of ordinary construction and the motor can be easily and quickly adjusted so that the friction wheel on its armature shaft will be caused to properly engage the fly wheel of the mill in a manner to supply power for operating the latter.

A motor and coffee mill are referred to and illustrated, merely for the purpose of explaining the purpose and function of my

improved attachment, which is adapted for use with any type or construction of motor and any ordinary type and construction of grinding mill.

5 Having fully described my invention what I claim as new and desire to secure by Letters-Patent, is:

1. The combination with a two part clamp provided with a laterally projecting arm, 10 of a bar supported by said arm and provided with an upward extension, means for securing said bar at any desired axial adjustment with reference to its supporting arm, a bar provided with a downward extension, means 15 for securing said extension to the upward extension of the lower bar, and a platform secured to the uppermost bar, substantially as set forth.

2. The combination with a clamp provided with an arm having a hole and a 20 curved slot, of a bar disposed on said arm, a bolt passing through said bar and the hole in said arm, a bolt passing through said bar and the curved slot in said arm, an upper bar, arms on said bars and lying in parallel 25 planes, means adjustably securing said arms together, and a motor support or platform mounted upon said upper bar.

In testimony whereof, I have signed this specification in the presence of two sub- 30 scribing witnesses.

SIMON E. AMMAN.

Witnesses:

GRAY M. SIGLER,
T. E. PATTERSON.