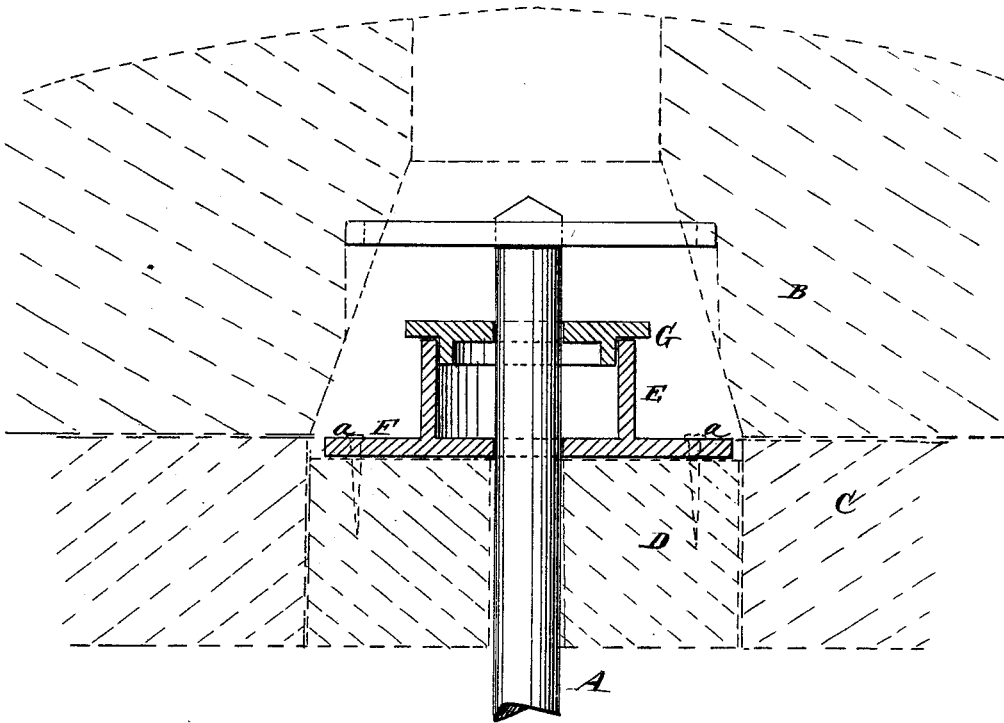


D. PARMER.
TALLOW-CUP.

No. 185,955.

Patented Jan. 2, 1877.



WITNESSES:

A. W. Almqvist
J. H. Scarborough

INVENTOR:

D. Parmer

BY

Wm. H. [Signature]

ATTORNEYS.

UNITED STATES PATENT OFFICE.

DEVORE PARMER, OF FORT MADISON, IOWA, ASSIGNOR TO HUGH McCONN,
OF SAME PLACE.

IMPROVEMENT IN TALLOW-CUPS.

Specification forming part of Letters Patent No. **185,955**, dated January 2, 1877; application filed
October 30, 1876.

To all whom it may concern:

Be it known that I, DEVORE PARMER, of Fort Madison, in the county of Lee and State of Iowa, have invented a new and Improved Tallow-Cup for Vertical Shafts, of which the following is a specification:

The invention consists in causing a spindle to run vertically through a box of solid grease, so that it will be lubricated only when needed, and by the very friction which it is intended to remove. It is provided with a cover, which is also bored centrally so that it may encircle the shaft and cover the cup.

The cup is designed for tallow or other solid lubricant and is applicable to vertical shafts of various descriptions, but is specially adapted to mill-spindles, and is shown in the drawing as so applied.

Referring to the drawing, which is a vertical section, A is the ordinary spindle for carrying the burr-stone B of a flouring-mill. C is the lower stone, and D the ordinary bush in the eye of the lower stone. E is a tallow-cup, which may be made from any suitable material, and of any convenient form or size. The one represented in the drawing is cylindrical, and is provided with a flange, F, at its base, which is perforated for receiving nails or screws for attaching it to its support. It is bored centrally to receive the spindle A, and is attached to the bush D by means of nails or screws *a*, and by slots in each side of flange

F to fit any keys or wedges that may project above the bush.

An annular cover, G, is fitted to the cup E, and encircles the spindle.

Tallow or other solid lubricant is placed in the cup, and when the spindle becomes heated the tallow melts and runs down into the bush, when, the friction being relieved, the heating ceases.

The cup not only contains the lubricant, but it also prevents the dust from accumulating on the spindle and absorbing the lubricant.

The spindle requires no attention, and the tallow contained in the cup need not be renewed, except when the stone is removed for dressing, when the cup may readily be filled.

The cup is applicable to vertical shafts of various descriptions, and is effective in preventing heating and the accumulation of dust.

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

The combination of a perpendicular shaft or spindle and a centrally-apertured tallow-box, the former being made to pass through and in contact with the solid grease, as and for the purpose specified.

DEVORE PARMER.

Witnesses:

J. C. ALBERTSON,
THOMAS DRIVER.