

No. 680,345.

Patented Aug. 13, 1901.

W. S. MORRISON.

LUBRICATOR.

(Application filed Nov. 19, 1900.)

(No Model.)

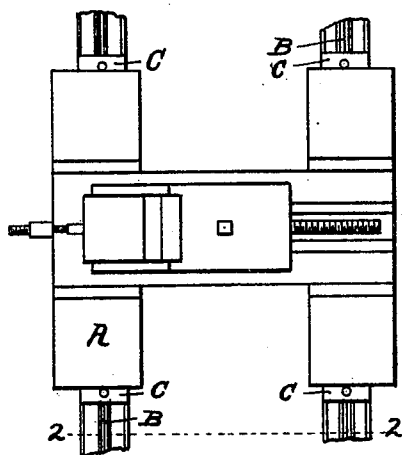


FIG. 1.

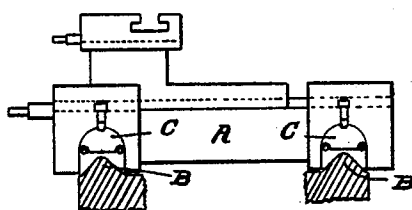


FIG. 2.

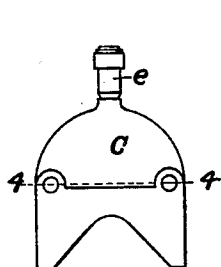


FIG. 3. E.

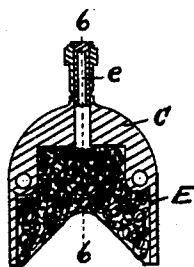


FIG. 5.

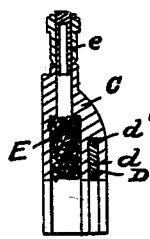


FIG. 6.

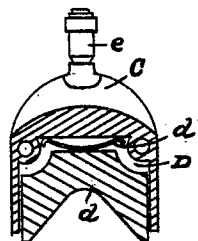


FIG. 7.

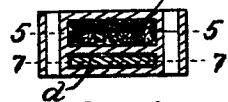


FIG. 4.

Witnesses

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LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 680,345, dated August 13, 1901.

Application filed November 19, 1900. Serial No. 37,059. (No model.)

To all whom it may concern:

Be it known that I, WALTER S. MORRISON, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented a new and useful Lubricator, of which the following is a specification.

The object of my invention is to provide means for thoroughly cleaning and lubricating sliding parts in machinery; and the invention consists in the combinations and arrangements of parts hereinafter set forth and claimed.

In the drawings I have illustrated my invention as applied to the carriage of a lathe, in which—

Figure 1 is a top plan view of a lathe-carriage equipped with a cleaner and lubricator embodying my invention; Fig. 2, a vertical section on line 2 2 of Fig. 1; Fig. 3, a front elevation, on an enlarged scale, of the cleaner and lubricator detached; Fig. 4, a section on line 4 4 of Fig. 3; Fig. 5, a section on line 5 5 of Fig. 4; Fig. 6, a section on line 6 6 of Fig. 5, and Fig. 7 a section on line 7 7 of Fig. 4.

Reference-letter A denotes the carriage of a lathe; B, the shears or ways; C, a casing inclosing a cleaner and lubricator carried by the carriage in contact with the shears; D, a cleaning, and E an oiling, compartment in casing C.

The carriage A is the usual carriage, and shears B the usual shears, of a lathe. One of the casings C is secured at each corner of the carriage just over and in close proximity to the shears B, for which purpose the bottom of the casing is made substantially V-shaped to fit the shape of the shears. In its outer portion each of the casings C is provided with the cleaning-compartment D, having a wiping-piece *d*, of leather or other suitable material, shaped to closely fit the bearing-surfaces of the shears and pressed against the shears by means of spring *d'*. In its inner portion each casing is provided with an oil-compartment E, having the oil-admission tube *e* and filled with loose wool or other suitable material adapted to retain and distribute the oil supplied through tube *e*.

It will be noted that as the carriage travels to and fro on the lathe-shears the cleaning and oiling of the shears precedes the carriage, the wiping-piece *d* removing all shavings,

dust, and dirt and the oiling-compartment applying the oil, thus always insuring the free and easy travel of the carriage.

I claim—

1. In a lubricating device a part adapted to move relatively to a part to be lubricated; an oiling-compartment carried by the movable part and adapted to distribute oil on the stationary part; and a wiper of flexible material also carried by the movable part and spring-held against the stationary part immediately preceding the oiling-compartment, substantially as and for the purpose set forth.

2. In a lubricating device, a part adapted to move relatively to a part to be lubricated; an oiling-compartment provided with means for admitting oil and filled with loose material contacting with the stationary part, and a wiper of comparatively compact material also carried by the movable part and spring-held against the stationary part immediately preceding the oiling-compartment, substantially as and for the purpose set forth.

3. A lubricator attachment for lathes, consisting of a casing adapted to be carried by the carriage thereof immediately over the shears and having a substantially V-shaped bottom adapted to loosely fit the shears; an oiling-compartment in the casing provided with means for admitting oil and filled with loose material contacting with the shears; and a wiper of comparatively compact material mounted in the casing immediately preceding the oiling-compartment and spring-held against the shears, substantially as and for the purpose set forth.

4. A lubricator attachment for lathes, consisting of a casing adapted to be carried by the carriage thereof immediately over the shears and having a substantially V-shaped bottom adapted to loosely fit the shears; an oiling-compartment in the casing provided with means for admitting oil and filled with wool contacting with the shears; and a wiper of leather mounted in the casing immediately preceding the oiling-compartment and spring-held against the shears, substantially as and for the purpose set forth.

W. S. MORRISON.

Witnesses:

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