Improvement on Box Coffee Mills

8462

Fig. 1
Side view

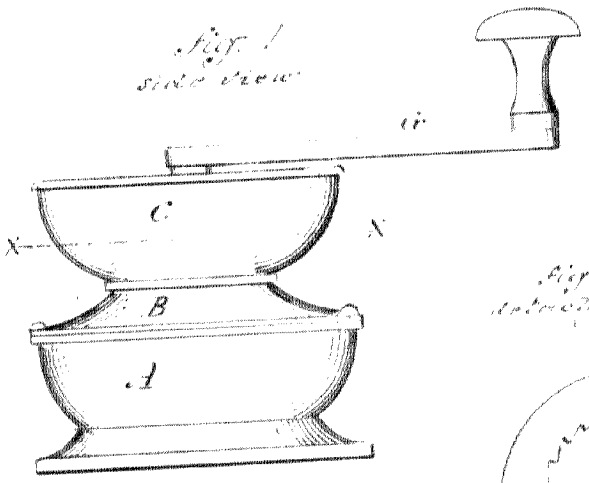


Fig. 4
Detached view

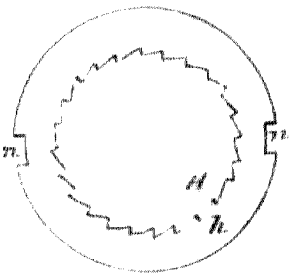


Fig. 5
Detached view

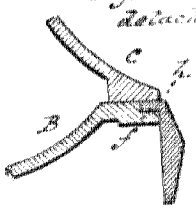


Fig. 2
section on line XX

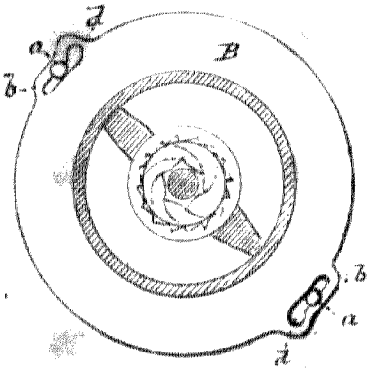


Fig. 3
Vertical section

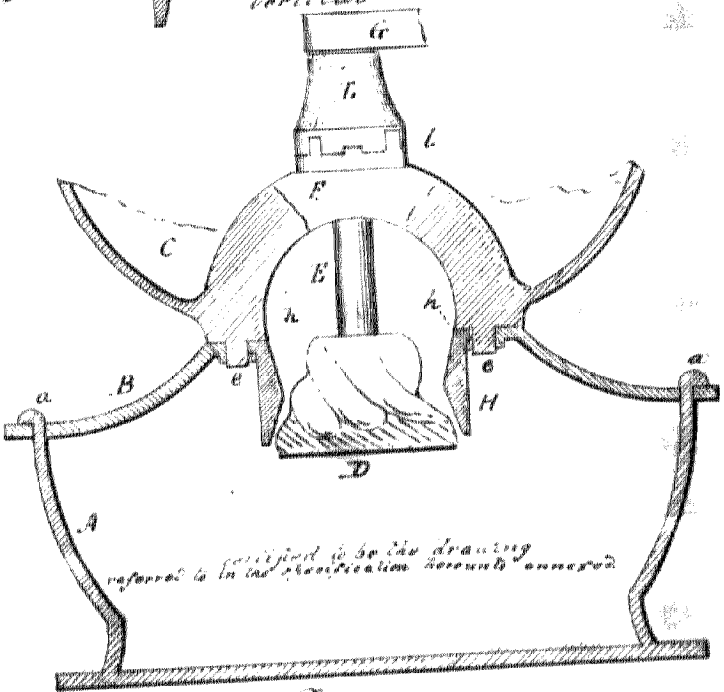
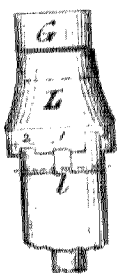


Fig. 6
Detached view



Reference to the accompanying drawing

References

A — box
B — cover
C — hopper
D — runner
E — shaft
F — [illegible]
G — crank
H — runner
I — pivot

L — slaves
a — lugs
b — slots
d — enlarged ends
e — studs
h — flanges
l — projections
n — notches

Montreal 22nd day of November A.D. 1876

K-L Webb
Inventor

By his atty
Charles Legge

Witnesses
Ruthy Reynolds
F. A. Reynolds

It is sometimes desirable to use an
[illegible] for
[illegible] grinding coffee, and similar purposes,
[illegible] called "burrs," that is
to say, a conical [illegible] is employed
to break and [illegible] the ground mate-
rial after it has passed through the
grinding parts; the object of the in-
vention being to simplify and cheapen
the construction, and to produce a
durable mill; and the invention con-
sists in the detail of construction, as
fully hereinafter specified.

A is the base or box which
is made of cylindrical or circular form,
and cast complete, as seen in fig. 3,
up to the rim B; the box is con-
structed with two beaded legs a pro-
jecting upward from its edge. The
cover B is made [illegible] a part of
the hopper C; this cover is constructed
with segmental slots b, corresponding
to the legs a, and enlarged at one
end so as to pass over the heads
of the legs a, and it is then set
on to the legs a partial turn, as
described in fig. 3, and secures the
hopper to the box A, from which it may
be removed by returning the cover

until the projecting face of the disk comes to the large, or outside diameter of the cover, as shown in fig. 4.

D is the runner, backed to a vertical shaft 3, and supported on a saddle 4 in the hopper in the usual manner, and to the shaft 3 a worm 6 is attached to rotate the runner. 7 is the stationary runner cylinder, which is constructed internally of the usual form, to correspond to the runner, and so that as the runner which is of conical shape is drawn up into the cylinder, the grinding will be finer, or if lowered, the grinding will be coarser substantially as in common construction of mills.

The hopper C is constructed with studs 8, which pass through corresponding perforations in the cover, and thus united so as to firmly secure the cover and hopper together, as seen in fig. 3.

Between the hopper and the cover an annular recess 9 is formed into which a flange 10 on the runner cylinder sits, and is closed thereby the hopper and cover are secured

together as the [illegible] is held in place by means of [illegible] and the [illegible] covers together, and is held in position by means of the [illegible] the [illegible] is provided with [illegible] which is [illegible] to the [illegible] c, so as to allow [illegible] in the annular [illegible] between which and the [illegible] and the cylinder is [illegible] as a permanent part of the hopper.

To adjust the runner relatively to its cylinder, to regulate the degree of fineness of the grinding, a wire l is placed over the [illegible] beneath the crank a, the lower edge of which is constructed with several notches 1 2 3 more or less the notches [illegible] of different depths, and on the handle is formed a projection l, see fig. corresponding in width to the said notches so that if the shank is moved to bring the said projection l into the bottom of the notch 1 the runner will be held in that position and prevented from [illegible] with the crank [illegible] the head of the crank rod upon the left of this

sive

Suppose the parts to be fine and open, as in fig 1. the coarse grinding will be done in their highest position, and consequently the finest grinding. From this position the shaft is lowered until the deepest notch 3 is brought in contact with the stop b. the shaft will consequently be lowered to the extent, and with it the runner and spindle, and the coarsest grinding produced. Intermediate notches will produce intermediate results.

Having now described the construction and operation of my invention, to which I have given the name of Webb's Duplex mill I beg to state that I do not broadly claim a bi-plex mill.

What I claim as my invention and desire to secure by Letters Patent is

Reference Letters

The fig 1 the runner D and the stop C, the bi-plex constructed with the beveled edges a, and the runner and corresponding stop b, by the two parts are secured together substantially

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as set forth.

Second — That in the case of the said Rodolphus Sawyer Wells being convicted of the said felony the said Rodolphus Sawyer Wells shall be sentenced to be imprisoned with hard labour for the term of Seven years and that the said Rodolphus Sawyer Wells shall be kept in solitary confinement for the first month of such imprisonment.

Third — That in addition to the punishment of the said Rodolphus Sawyer Wells, the marked Sheep be ordered to be forfeited to the Crown absolutely, and that the said Rodolphus Sawyer Wells be ordered to pay the costs of the prosecution.

Rodolphus Sawyer Wells
Prisoner.

Nangaluck 17th November, 1875
Signed in the presence of
L. S. Grandsley
Jas Robe J.P.

This is the Declaration referred to in the Affidavit of Rudolphus Sawyer Wells hereto annexed
Sworn before me this 17th day of November A.D. 1875
L. S. Grandsley
Notary Public