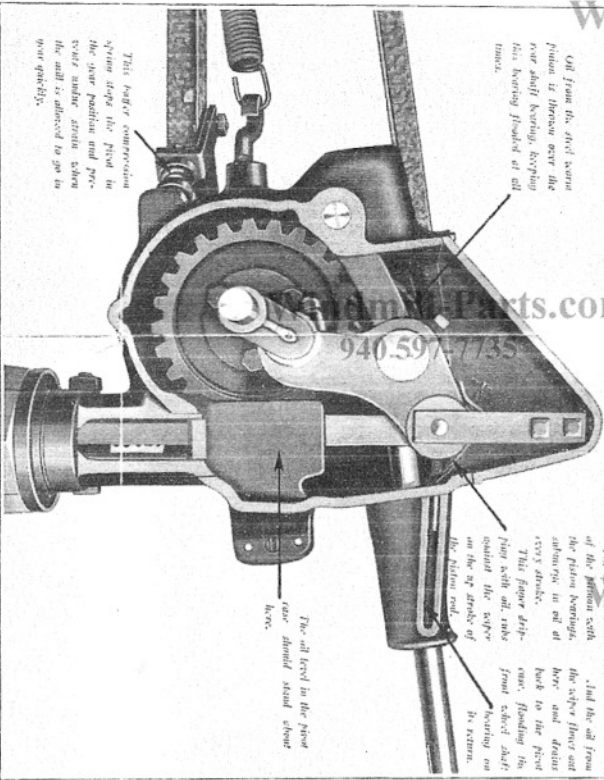


Off from the steel piston is thrown over the rear shaft bearing, keeping this bearing flooded at all times.

This buffer compression spring stops the piston in the rear position and prevents undue strain when the mill is allowed to go in over quickly.



The guide screw of the piston with the piston bearings, adjusts in oil at every stroke.

This finger dipper with oil, takes on the up stroke of the piston rod.

Just the oil from the sprayer flows out here and drains back to the piston case, flooding the front shaft bearing on its return.

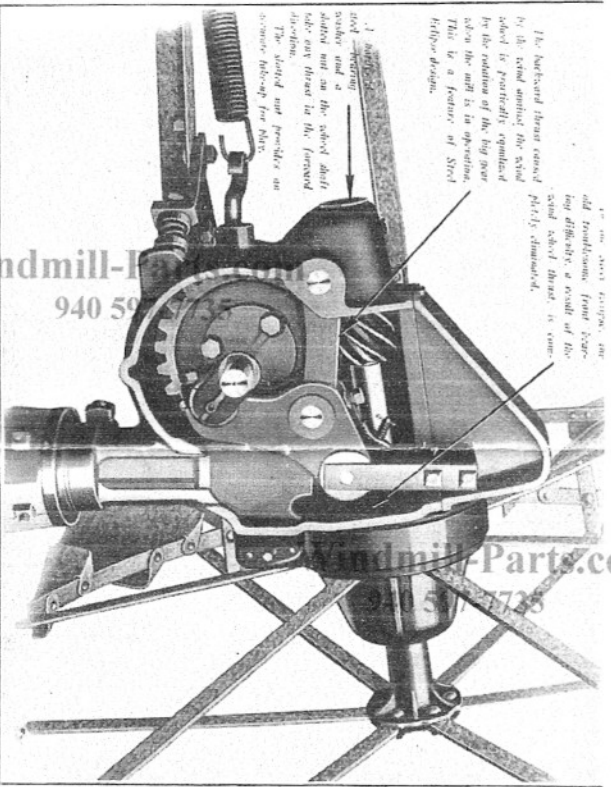
The oil level in the piston case should stand about here.

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As the foot turns, the
all troubles from feet
big difficulty, a result of the
and about that, is com-
pletely eliminated.

The backward thrust caused
by the foot against the axle
is positively opposed
by the rotation of the big gear
when the mill is in operation.
This is a feature of Steel
Kilflor design.

A
rod—bearing
socket and a
axle nut on the axle shaft
also, easy thrust in the forward
direction.
The axle nut provides an
easier take-up for the



(2877M) *The piston with the housing cut away. Note the simplicity of the working mechanism.*

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