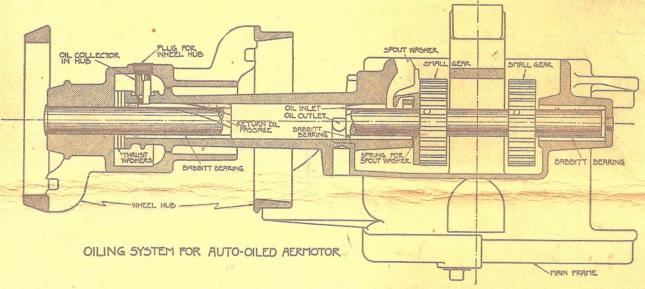
# The Oiling System for the **Auto-Oiled Aermotor**

The method of oiling the Auto-Oiled Aermotor is complete, simple and entirely automatic. If proper oil is used, and if the supply is renewed once a year, the oiling system of the mill should require no further attention. Every owner of an Aermotor, however, should understand the plan for oiling the mill so that he may be able to care for it intelligently. A careful reading of the following explanations and instructions, in connection with the Mustrations, will give a good understanding of the mill.

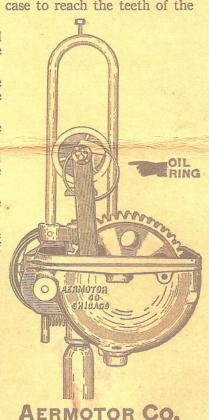


### PLAN OF OPERATION

- The gears run in an inclosed case which should be filled with Aermotor Oil. Aermotor Oil is best adapted to our system because it is thin enough to flow thru all the oil passages and is fluid in cold weather.
- 2. The oil should not stand higher than 1/4 inch below the wheel shaft and it will continue to circulate perfectly so long as there is enough oil in the gear case to reach the teeth of the big gears.
- 3. As the gears revolve, oil is carried up onto the pinions and runs down into the bearings on each side of them and into the bearing for the large gears.
- 4. Oil is constantly scraped from the front side of the forward pinion by the spout washer and it runs down into the arm which carries the wheel.
- 5. Some of this oil works out thru the end bearing, thru the thrust washers, and into the pocket in the hub.
- 6. As the wheel revolves, the oil in the hub is carried up and is caught by the oil collector, from which it runs down thru the return oil passage into the arm.
- 7. The surplus oil in the arm flows back into the gear case. thru the oil outlet at the back end of the arm.
- 8. The oil ring, which is suspended above one of the large gears, carries a few drops of oil onto the yoke at every stroke of the pump. Through the yoke it runs along the cross shaft, oiling all of the upper bearings.

INSTRUCTIONS

If it should ever become necessary to remove the wheel hub, the oil collector in the hub must be removed first. To do this, screw out the plug in the oil chamber of the hub, turn the hub so the opening will be straight up, and then with a screwdriver remove the oil collector. When the hub is put back, a new oil collector should be used to insure the proper fit between the collector and the inside surface of the oil pocket.



## Instructions for Oiling and Care of **Auto-Oiled Aermotor**

#### (TACK THIS CARD UP WHERE YOU WILL SEE IT)

Windmill-Parts.com Windmill-Parts.com is best), this Aermotor should run a year without another oiling. The level of the oil should not be higher than 1/4 inch below the shaft which carries the small gears.

But, because it will run a year with one oiling, do not neglect it forever.

It should be inspected once a year. Do this regularly and you will not be so likely to let it go two or three years without attention.

Use good oil which will not evaporate rapidly in hot weather, and which will not harden in cold weather. Aermotor Zero-Flowing Oil is best for summer or winter.

To get the best results drain out the old oil once a year, preferably in the fall, wash out the gear case thoroughly with kerosene, remove the plug in the oil pocket of the hub and with a spring-bottom oil can squirt enough kerosene down thru the oil collector to thoroughly wash out the return passage, and also wash out the oil pocket in the hub. To empty the gear case, hold a bucket under it, and unscrew the plug in the bottom. Fill the gear case again with Aermotor Oil, and it should run another year without needing further attention.

#### WHEN YOU EXAMINE THIS WINDMILL

See that the bolts and nuts are tight.

See that the level of the oil is well above the bottom of the large gears.

See that the oil ring is in place and working properly. This is the ring which is over one of the large gears and throws oil onto the upper bearings. If it should ever become damaged send for another. It is a very important part of the mill. (See cut on other side.)

Oil the turn table thru the oil hole in the main casting near the top of the pipe.

Grease the furl rings thoroughly with axle grease.

After oiling and inspecting the mill be careful to see that the helmet fits down over the gear case properly. keeps the oil in and keeps the rain and dust out. Put nut on top to hold it down.

Use the space at the right to keep a record of the dates when your mill was oiled.

AERMOTOR CO.

			1
-	MONTH	DAY	YEAR
-			
ĺ			
-			
1	1		
-		-	
-			
-			
-		-	
1			
man annual			-
1			
-	•		
Tollan walker			
-			
-			
-			
-			
Vinda and			
			7
-			
-			
1			
-			
-			
		2	
-			
Vine in section			CHA CHAIR
1			
-			
-		7 - 42 - 57	
-			
-			
-			
1		and the same of	
-		-	
-			
			***************************************
1			
-			
-			
1			
			-
-			
-			
-			
-			
-			74
-			
-			
4			
-			
Total Spinster			
Salar Street, or other Desirance	««мертору становання днаговання советствой претик		article representation of the property of the
ののできるとは、日本ののでは、日本ののできるとのできるとのできるとなったのできるとのできると			
discussion.			
í	Section 1984 Section 1984	7	

Date When Aenmotor Was Olled