

Automatic Air Brakes.

ENGINEMEN.

1. Fill the oil cup on the pipe leading to the steam cylinder, with cylinder oil ; open the cock in the bottom half a turn ; this will lubricate the steam cylinder.
2. Start the pump gradually, to allow the condensed steam to escape ; after the pump has made a few strokes, put a small quantity of cylinder oil into the cup on the air cylinder, to lubricate the air cylinder.
3. Always have a pressure of 65 pounds on the gauge before the engine is connected with the train.
4. When filling the reservoirs under the cars with air, the handle of the two-way cock must be turned to the left ; this allows the air already pumped to pass from the main reservoir, reduces the pressure, and causes the pump to work more rapidly, until the gauge again indicates 65 pounds ; the handle must then be turned to the centre position, so that the spring fits in the notch.
5. The brake is applied by turning the handle to the right from the notch, and exhausting ten or fifteen pounds of air.