

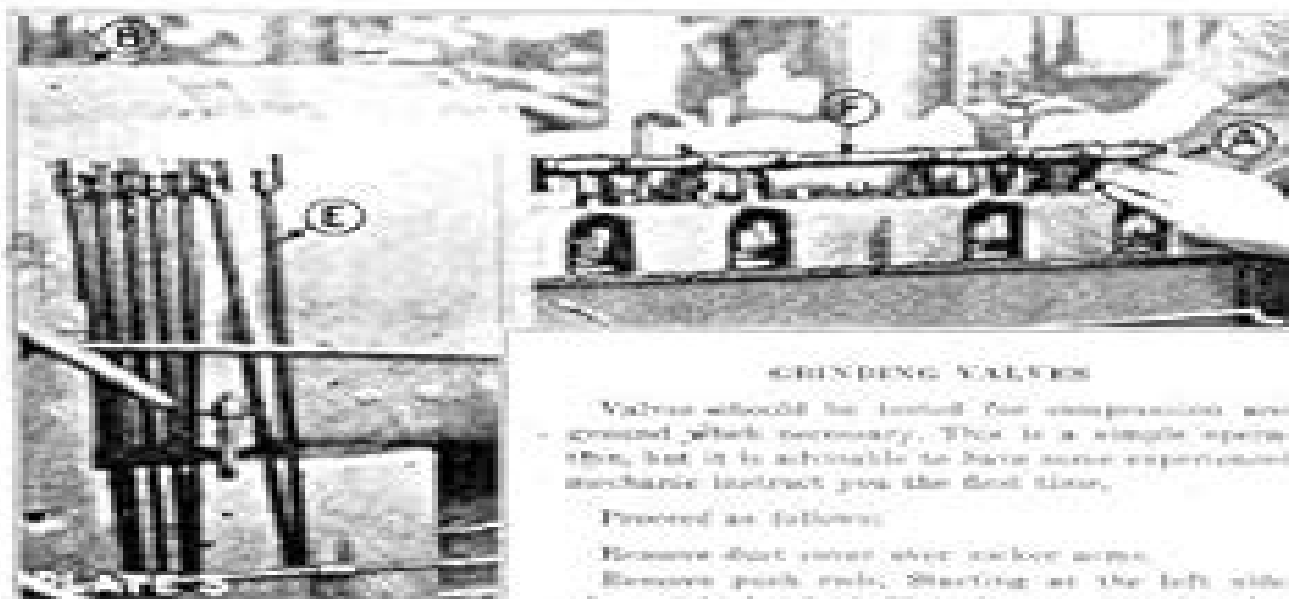
CARE OF VALVES

It is vitally important that the valves on a new motor be oiled before the motor is started to work, and frequently during its lifetime to prevent sticking.

When valves stick, not only is there loss of power but the valve and valve seat are most damaged.

When motor is new, the valve should be oiled each morning for the first week, and twice each week thereafter, as shown in plate 4—oil kerosene and oil 50-50.

If valves don't close properly on their seat, there is a loss of compression, which means a loss of power and waste of fuel and lubricating oil.



GRINDING VALVES

Valves should be tested for compression and ground when necessary. This is a simple operation, but it is advisable to have some experienced mechanic instruct you the first time.

Proceed as follows:

Remove dust cover over rocker arms.

Remove push rods. Starting at the left side, place right hand (A Plate 3) on point of rocker arm, and left hand in position to catch lower ball. Then, press down with right hand and the ball

and push rod can be easily removed. Care must be exercised in removing the ball so it doesn't drop down into the crankcase. For safe keeping, put the balls in screw top of large fuel tank (B Plate 3). Pull out the push rod and place each one in position as shown (C Plate 3). By doing this, the push rods can be replaced in their original order and may not require adjustment when replaced.

Remove rocker arm shaft (D Plate 3) from cylinder head.

Remove 10 cap screws holding head to block. Drive in spark plug pockets with a block of wood in order to loosen head from gasket. When head is free, slide a knife blade between it and the cover, avoiding injury to the latter. Lift off head.—remove cap keys, springs and other keys, placing them in their respective order for re-assembly. Leave valves in head until turned over. Remove and place valves in their order.

Wallis 20 30 Tractor Service Manual

A Gutmann



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