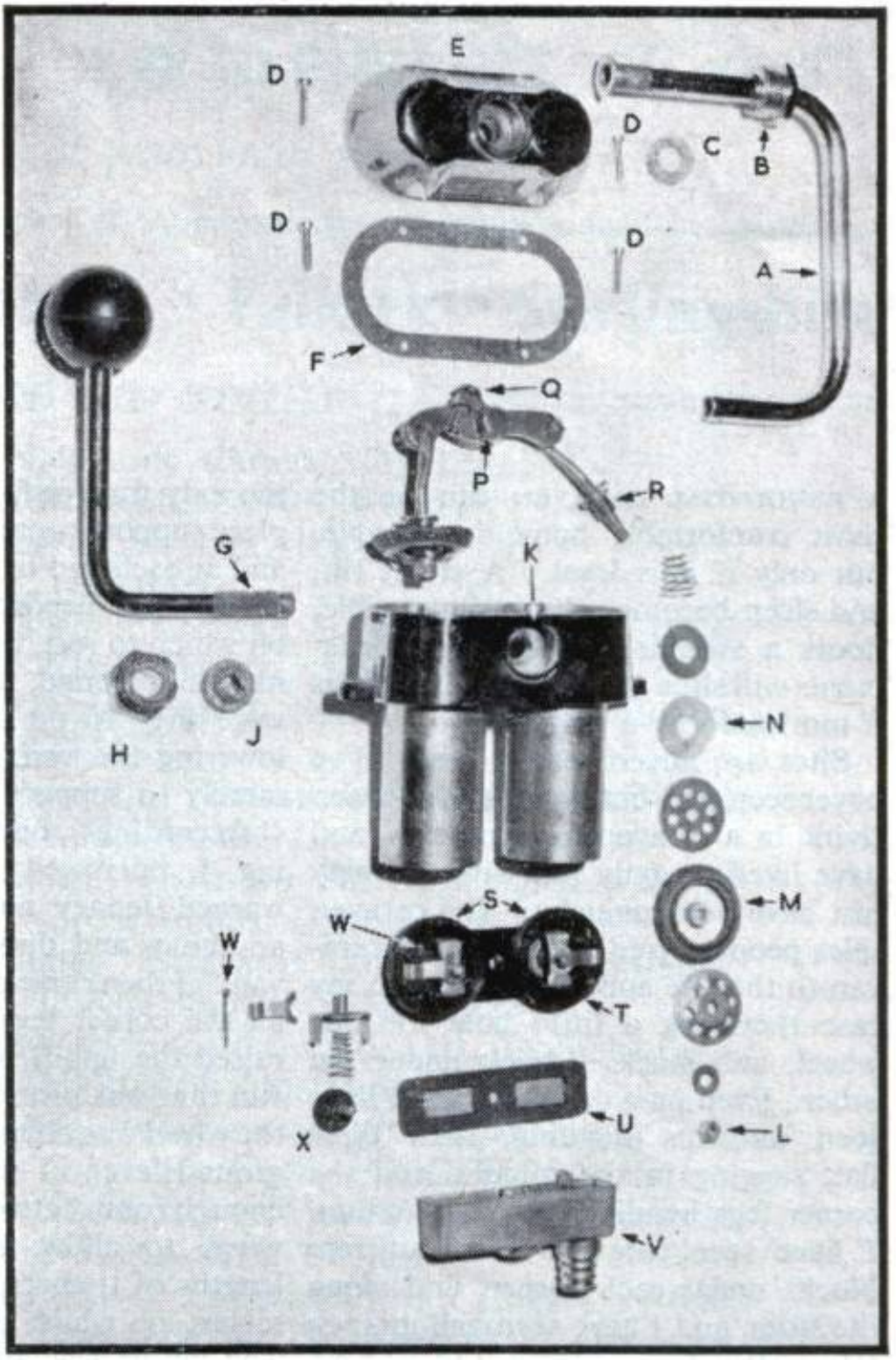
RENEWING PUMP WASHERS
JUPITER WATER PUMP

The illustration shows the parts of the Jupiter rocker pump laid out in the order in which they remove. Note that the long bolt which secures the lower sections to the pump body is not shown, and that the foot-valve section is shown fully assembled with a spare set of parts placed near it to illustrate the order of assembly.



1. Because the faucet (A) is swivelled about in use, leaking from the gland nut (B) and the fibre gland washer (C) is a likely occurrence. If gently tightening the nut, even almost to the extent of preventing the faucet from turning, does not result in stopping the leak, unscrew the nut and renew the washer.
2. Leakage around the base of top section (E) of the pump body requires the renewal of the cork gasket (F). This gasket and the top section complete with faucet is released by removing the four retaining bolts (D).
3. If leakage occurs around the lever shaft (G) try tightening the gland nut (H). If this does not stop the leak, renew the fibre washer (J). To do this, fully unscrew the gland nut and pull out the washer from the cavity behind the nut in the pump body (K). Note that new fibre washers are split, and they simply push over the lever shaft into place.
4. Failure to pump efficiently may be caused by deterioration of the leather cup washers (M) (see also pars 6), or the lift valves (N), found inside the pump. To replace these washers (see special tip) take off the pump top section (E) as in 2. Unscrew the gland nut H, loosen the rocker arm clamp screw (Q), and pull out the lever shaft to release the whole rocker assembly (P). The cup washer (M) and the lift valves (N) are removed by releasing the securing nut (L) and slipping the parts from the connecting rod (R) (see special tip). Order of re-assembly is the reverse of removal.
5. Leakage from around the base of the pump indicates that either the sealing rings (S) on the foot valve section (T), or the filter plate rubber gasket (U) require renewal. Both these sections and the filter base section (V) are released by unscrewing the single long bolt (not shown) which secures them to the pump body (K).
6. Foot valve faults may also result in failure to pump efficiently. The foot valve section is removed as in 5, and each foot valve assembly is released by removing the split pin (W) which secures it (see special tip). If the foot valves (X) show signs of wear or damage, they should be renewed.

Special tip. As both the cup washer and lift valve assemblies, and the foot valve assemblies, are in pairs, strip and replace one assembly at a time, and use the fully assembled section for reference.

Note: There is no substitute for expert advice. If in doubt consult your dealer. Many dealers stock replacement washer and valve kits.

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