

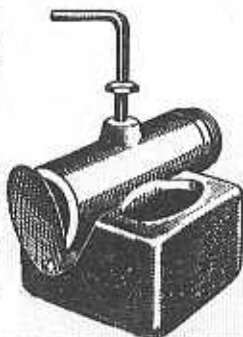
**DIRECTIONS FOR OPERATING GRAY JUNIOR, 1 $\frac{1}{4}$, 1 $\frac{3}{4}$,
2 $\frac{1}{2}$ AND 4 H. P., ON KEROSENE.**

Fill the *fuel tank* in base of engine with kerosene and *small receptacle* of "mixer" with gasoline; close the main needle valve above, and open the needle valve on mixer about three-quarters of a turn; close the air, if necessary, with the damper and start on gasoline.

After the lower cup is empty, or nearly so, turn on the kerosene one half to three-quarters of a turn, when it should continue to operate on the kerosene.

In very cold weather it may be necessary to fill the attachment of mixer a second time.

NOTE With the kerosene attachment the engine can also be operated on gasoline.



**DIRECTIONS FOR STARTING GRAY JUNIOR ENGINES
OR KEROSENE NOT PROVIDED WITH SPECIAL
KEROSENE MIXER.**

Fill the water hopper three-quarters full of boiling water. Fill tank in base of engine with kerosene, closing the needle valve on the mixer. Fill the lubricator and adjust the feed to 15 drops per minute, lubricate the main bearings and governor parts.

To start the engine, open the throttle wide and inject with a squirt can a prime of gasoline into the opening of the throttle; continue squirting a little gasoline to keep the engine running for a period of five minutes, then open the needle valve one and one-half to two and one half turns, leaving the throttle about half open and valve turned off about one-half to one turn, which would make one and one-half turns open.

