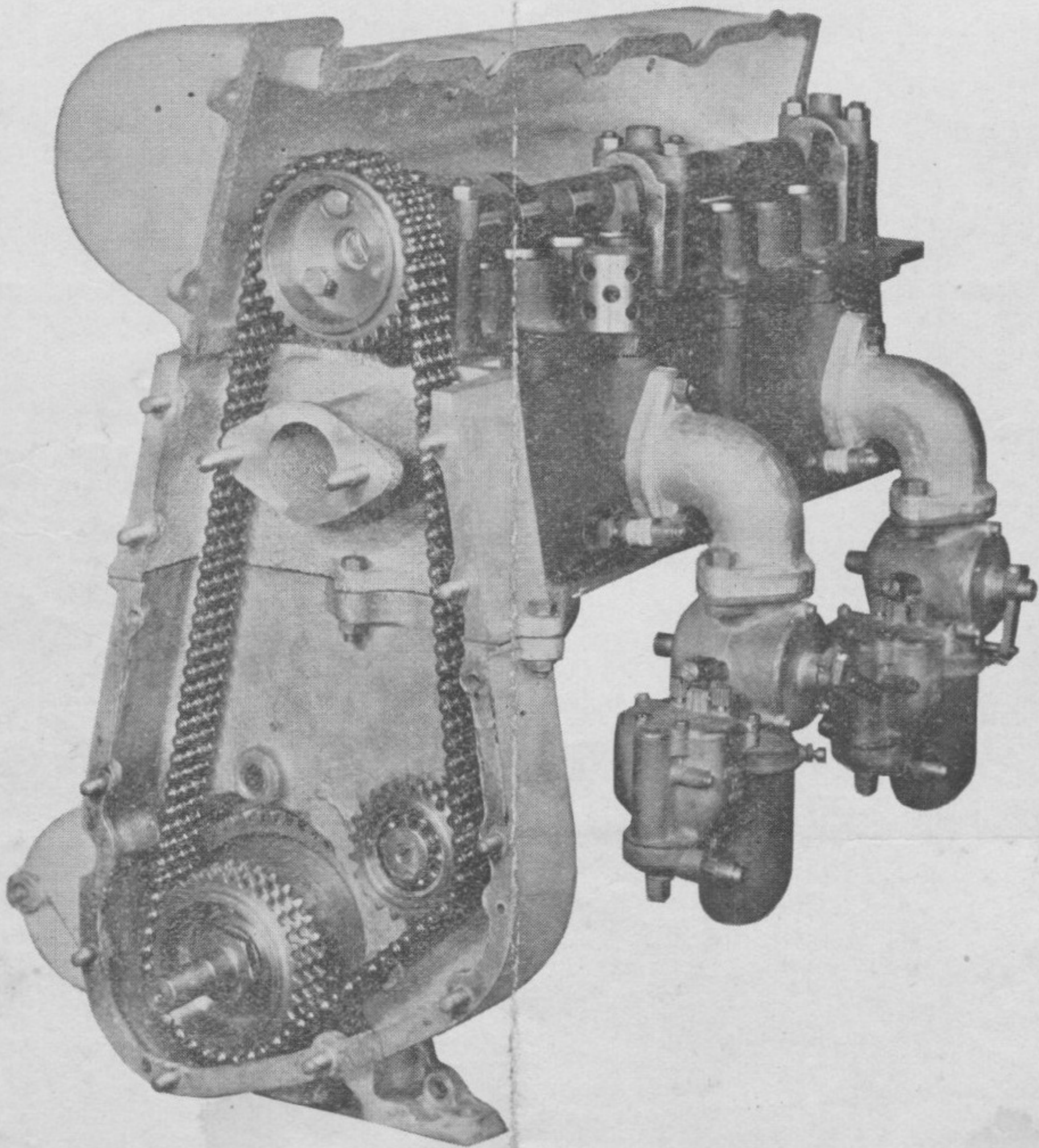


## Overhead Camshaft and Drive for Model "R" and "S-R" Frontenac Cylinder Heads



This remarkable outfit was designed and built by us at the insistent demand of many of our customers, users of Model "R" and "S-R" racing heads. It has many advantages over the old rocker arm system. It is simpler, more reliable, more efficient in every way and will add considerable speed to a racing motor, equipped with either cylinder head.

By eliminating the rocker arms it is possible to turn the motor up much faster than before and this allows the use of a supercharger if desired. Just note these facts; the size of the camshaft,  $1\frac{1}{4}$  inches does away with all bending and flexing of camshaft, which is a common complaint when using old style camshaft, thereby securing full opening of valves, thereby increasing speed of motor. The contour of the cams is such as to give a very smooth valve operation, avoiding valve and valve spring breakage. The valve operating cups are free to rotate in guides, thereby distributing wear evenly and insuring long life, beside doing away with usual trouble of guide pins coming loose. The whole outfit is oil-tight, the camshaft and valve cups operate in a bath of oil, with a drain hole at front. It will speed up your motor, make it more reliable and better looking.

Following is a brief description and list of specifications on this outfit.

**Camshaft:**  $1\frac{1}{4}$ " diameter, hollow for force feed oiling to all cams and bearings.

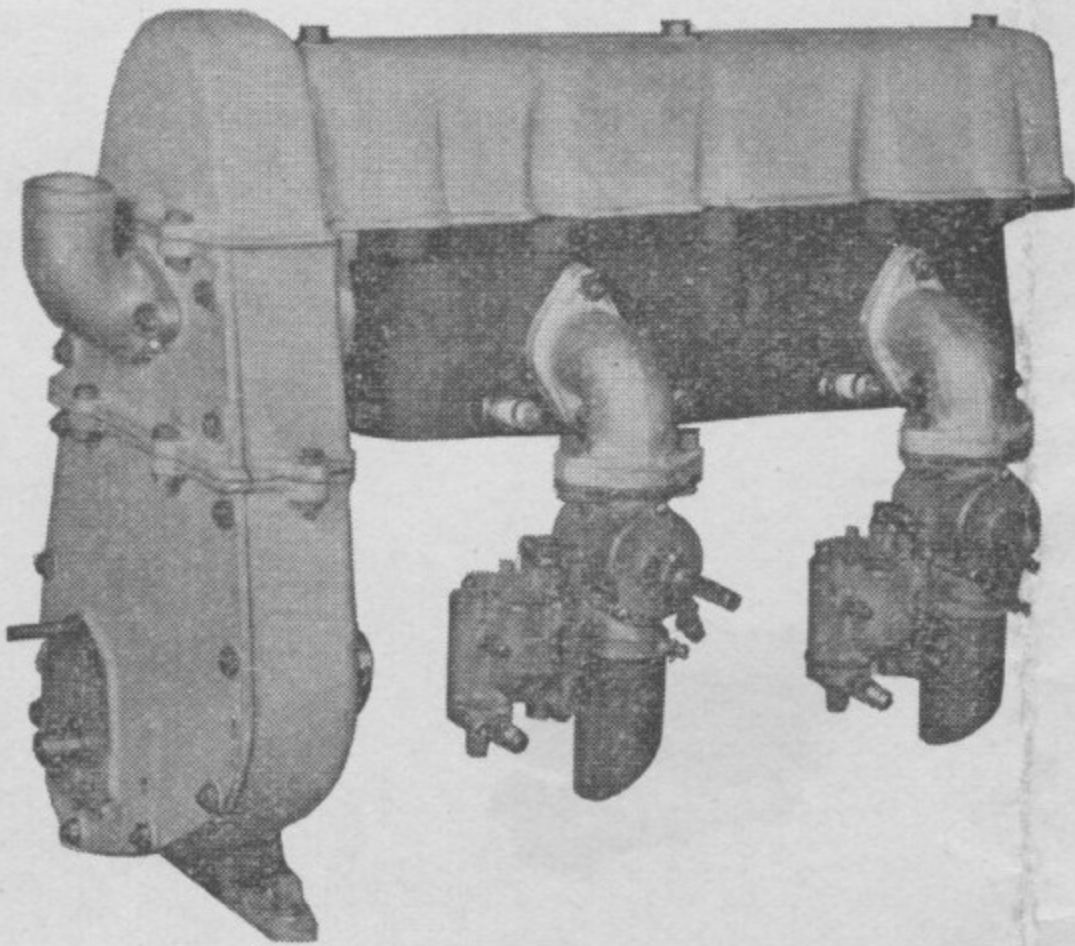
**Valve Opening:**  $\frac{3}{8}$ " after allowing for clearance.

**Valve Cups:**  $1\frac{5}{8}$ " diameter, hardened and ground, free to rotate.

**Main Bracket:** Cast Iron, valve cup holes reamed accurately bolt holes to match cylinder head.

**Drive:** Triple strength Diamond Silent Chain with adjustable idler.

**Housings:** Aluminum castings, sandblasted to a silken finish.



- No. 101: Complete overhead camshaft and drive with housings, ready to install .....\$200.00
- No. 102: Complete overhead camshaft and drive with model "S-R" cylinder head, carburetor, intake and exhaust manifolds .....\$400.00
- No. 103: Complete overhead camshaft and drive with model "R" cylinder head, carburetor, intake and exhaust manifolds .....\$360.00
- No. 104: Complete overhead camshaft and drive with model "S-R" cylinder head only, no equipment.....\$325.00
- No. 105: Complete overhead camshaft and drive with model "R" cylinder head only, no equipment.....\$300.00

## Special Fronty Crankcase for Sliding Gear Transmission

This special crankcase and fly wheel housing was designed and built by us for the express purpose of eliminating the old style planetary transmission and replacing it with the new Model "A" Ford sliding gear transmission and clutch, which, in our opinion, are admirably adapted for the kind of work required on dirt track racing cars. This crankcase will enable the racing car owners to do away with all bands and troubles attached to the old planetary transmission, will give a much easier running and faster motor by doing away with all undue friction in transmission, will enable him to push or tow his racing car anywhere without special tow wheels, insure easier starting, with crank, and many other advantages at a reasonable cost.

This will also permit running your racing motor on dry sump, feeding cooler oil to the bearings, increasing the life of your motor considerably. This is in keeping with the best and latest practice on racing motors.

Change can be made in a very short time, no machine work necessary.

Can be used on any model Ford racing motor, regardless of what cylinder head or crankshaft is used.

- No. 701: Crankcase and fly wheel housing assembly, including support arms, steering gear bracket, crankshaft extension, and oil deflector ring .....\$150.00

- No. 702: Crankcase and fly wheel housing complete, same as above and including new Ford model "A" fly wheel, turned down, clutch, clutch housing, transmission, pedals, universal joint, drive shaft, and torque tube, complete ready to install .....\$250.00

