

# Why You Should Own a Gas Tractor

It's the Ideal power for all heavy farm work.

It displaces one-half to two-thirds of your horses.

Two men and a sixty horse power tractor can do the work of six men and thirty horses—better, quicker, easier.



Tractor handling eight 14-inch plows and turning 25 acres per day.

25 head of horses cost from Nov. 15th to April 1st, to feed and care for between \$500 to \$750—a gas tractor costs nothing when idle.

It discs, plows, harrows, drills, either singly or in tandem. It harvests, threshes, grades roads, hauls stone or grain—in fact performs nearly all of your heavy farm work.

It is economical in fuel, burning the cheapest distillate or Kerosene.

You can plow deeper and get bigger crops. No number of horses can put in the plow point like the steady even pull of a gas tractor.



Tractor discing and drilling 10 feet wide both at same operation

It's better than steam, because—there is no danger from freezing—no danger from explosions, fires or excessive weight. No waste time stopping for fuel or water supply; no waiting for power; no burned out grates, crown sheets or flues; no boiler to scale.

Flies, heat, dust cannot disturb a tractor. It never tires, always on the job night or day.

These—and scores of other good reasons prove that, for heavy farm work there is no economical tractive power equal to a good gas tractor.

Any man mechanically inclined can easily learn to run one.

Be sure to get one that has large wearing surfaces: one that has few parts and be sure that they are easily accessible; one that is simple to handle; one whose makers give you quick service.

# LEARN HOW TO OPERATE A GAS TRACTOR Thru this

## Correspondence Course in GAS TRACTION ENGINEERING

Our deep interest in cheaper, more profitable farming methods and bigger crops has inspired us to prepare this course. It is especially for farmers. It will demonstrate to each man that takes it the wonderful possibilities of power farming and the actual advantages of a Gas-Tractor over every other power.

### An Outline of the Course:

#### Introduction---Fundamental Principles---

Herein are explained the fundamental principles relating to the construction of gas traction engines. This section gives you a general knowledge of gas traction engines so that you can readily understand any style or make.

#### Lessons in Detail---These lessons

explain in thoro, but simple detail the construction, operation, adjustment and repair of a gas traction engine. For instance; the subject of combustion and economical use of the different fuels; construction of the cylinders and pistons; the valves and cooling system; the timing and regrinding of valves. You are taught how the power is carried from the crankshaft to the belt pulley and traction wheels. The various gears are thoroly explained so that you will fully understand the exact construction, arrangement and operation of each gear or set of gears. You are taught how to adjust or repair all parts of your engine. If anything ever should go wrong with it you will not need to send for a factory expert. You will be an expert.

#### Field Operation --- Here you are

taught the latest time-saving methods of laying out a field for economical traction plowing. The advantages of an engine over horses for many farm tasks is proven. The different makes and types of engine-plows are described with their various advantages pointed out. You are taught how to hitch on to various kinds of plows, disc harrows, sod crushers, sub-surface-packers, harrows and other implements with the plows; how to seed, harvest, thresh and haul grain; how to haul manure-spreaders and hay-loaders; how to dig and fill ditches; how to build and drag roads; how to do any number and variety of things with the engine instead of with horses.

In this department the comparative costs of performing all of these varied operations with an engine instead of with horses is discussed. Accurate figures of costs are given, taken from carefully compiled records made from actual field-work done; the figures are facts—not estimates.

#### Do you intend to buy sometime?

This course demonstrates that you need an engine; it proves—why; shows you how to do more work—do it better, quicker and cheaper; how a gas traction engine will lessen the work for yourself and family; how you can make more money—yes—save more.

#### Do you intend to buy soon?

This course will show you what engine is best adapted to your work. It will prove to you why it is a safe investment. It will be a faithful "Buyer's Guide" directing how you may invest your cash to the best advantage; how to get the largest possible returns.

#### Want a Better Job? Do you want to earn

more than you are now getting? Then take this course of study. Engine owners in the West and Northwest often ask manufacturers to furnish a good man to operate their engine. They have so much work for their engine that they willingly pay \$100.00 a month to a man who knows their engine. The manufacturers can't furnish these owners the men they want. They need them in the factories. Here is your chance, we will teach you how.

#### Schools of Practical Operation.

Supplementing the theoretical work, schools of practical operation will be held at the following places, the dates to be announced later:

Wichita, Kans.	Aberdeen, S. D.
Fargo, N. D.	Denver, Colo.
Bozeman, Mont.	Des Moines, Ia.
Portage la Prairie, Man.	Grand Forks, N. D.
Saskatoon, Sask.	Lincoln, Nebr.
Regina, Sask.	Minneapolis, Minn.
Calgary, Alta.	Peoria, Ill.

These practice schools will be conducted by our Educational Department. The instructors have had wide experience in building and operating Gas Traction Engines. Students will gain actual experience in operating and adjusting engines sent there for that special purpose.

#### How to get this Course of Study.

Mail the coupon below, or write us for full information how to get this valuable course FREE.

### HART-PARR COMPANY

30 Lawler Street CHARLES CITY, IOWA

#### THIS COUPON BRINGS YOU EVERY DETAIL

HART-PARR COMPANY, 30 LAWLER ST.

Please send me full details and scope of your Correspondence Course in Gas Traction Engineering.

Name \_\_\_\_\_

I expect to buy \_\_\_\_\_ Yes No \_\_\_\_\_

I own a Tractor \_\_\_\_\_ Address \_\_\_\_\_

Its Name \_\_\_\_\_ Yes No \_\_\_\_\_