

Fig. 542

A Boy can Start any T & M Engine with Ease

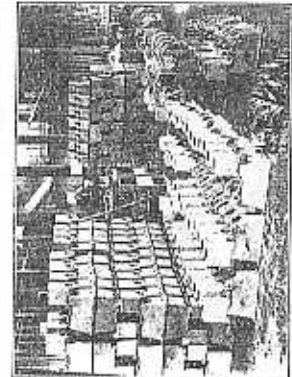
Starting and Handling

One of the strong points about the T & M engine is the ease of starting. On the small engines a charge of gasoline is drawn into the cylinder by a half turn of the flywheel, and the wheel thrown back against the compression far enough to make contact at the contact points, this will start it every time; or the wheels can be turned forward one or two revolutions—either way will answer.

On the large engine, 6 h. p. and above, the wheels can be thrown back and the igniter lever snapped by hand. To use kerosene attachment, the engine is run a short time on gasoline, to heat it up. It will then do its work on kerosene.

Handling T & M engines is not only the lightest kind of work, but is a genuine pleasure—they run so smoothly, maintain even speed, and do their work with such small expense that it does not pay to be without one, even for a month. The principal requisite is to keep the engine supplied with fuel, oil, water and battery current, and they will take care of themselves and run as long as wanted, and at any speed desired.

We do not know of another engine on the market giving equal value or quality for the price, or that will give the satisfaction of the T & M. There are inferior engines offered for a little less, but it is not true "economy" to stop at a few dollars, and miss T & M satisfaction. Fuel economy alone might make up the difference in a few day's operation—to say nothing of the other superior points.



The T & M engines are manufactured in lots of 1000 at a time, thus accounting for the low price of this high quality engine.



Electric Lighting

The Termaat & Monahan Company are pioneers in gasoline driven electric lighting plants. Various sizes and types are supplied to meet the popular demand, both the belted and direct connected units in the two and four cycle types.

The four cycle hopper cooled type is the most economical to install as well as the easiest to set up. However, if the current is to be taken directly from the generator to the lamps without the use of storage batteries, we recommend the two cycle type.

The T & M home lighting plants are especially adapted to farm lighting. The 30 light plant being the most popular size. The light may be had anywhere on the premises. In barns and outbuildings the safety against fire should appeal to the farmer where open lanterns are now used. The engine can be run at times to charge the batteries and lights turned on any time, day or night. The plants are very simple and can be operated by anyone.

We supply three sizes, the 15 light size being used mostly for demonstrating.

No. 0 outfit—15 light plant; consists of generator 10 amperes 30 volts, storage battery 24 volts 30 amperes, switchboard, 15 Tungsten lamps 12 candle power and 1 1/2 h. p. T & M engine. Net weight 650 lbs. Gross weight boxed 800 lbs. 30 cubic feet.

No. 1 outfit—30 light plant; consists of generator 20 amperes 30 volts, storage battery 30 volts 100 amperes, switchboard, 30 Tungsten lamps 12 candle power and 2 1/2 h. p. T & M engine. Net weight 1050 lbs. Gross weight boxed 1350 lbs. 40 cubic feet.

No. 2 outfit—50 light plant; consists of generator 25 amperes, 40 volts, storage battery 30 volts 120 amperes, switchboard, 50 Tungsten lamps 12 candle power and 4 h. p. T & M engine. Net weight 1850 lbs. Gross weight boxed 1700 lbs. 45 cubic feet.

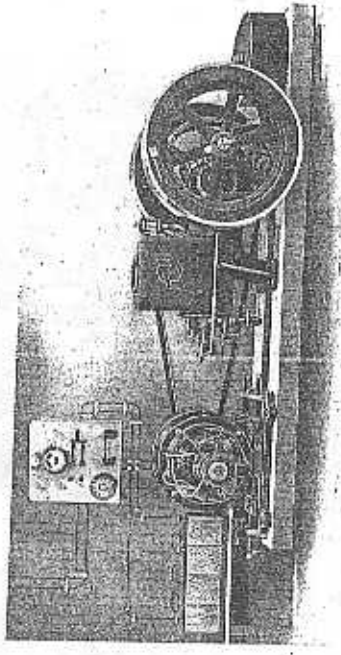
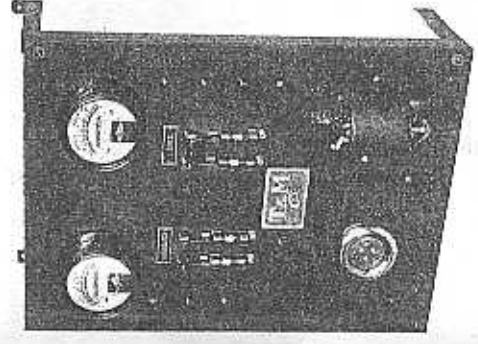


Fig. 544 No. 0 Belted Four Cycle Type



Cut showing Switchboard



Two Cycle Direct Connected Plant

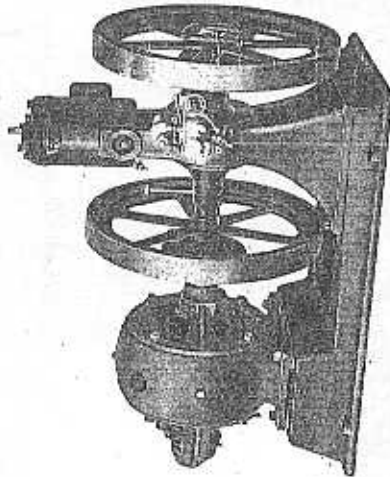


Fig. 545

"The engine that runs without flicker on the lights."

connected style, and can be used without storage batteries, directly on the line. It is used a great deal for moving picture shows, store, church and hotel lighting, making storage batteries unnecessary, since the engine runs as quietly as an electric motor, and without vibration.

We supply this type of lighting plants in the following sizes, all for 16 c. p. Tungsten lamps:

Two Cycle Type

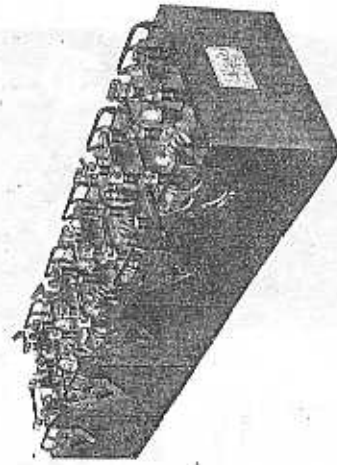
No. 3D, 1½ h. p. Direct Connected to ¼ K. W. Generator for 25 lights; net weight 490 lbs., gross weight 530 lbs., 16 cubic ft.

No. 4D, 3 h. p. Direct Connected to 1½ K. W. Generator for 50 lights, net weight 850 lbs., gross weight 1000 lbs., 20 cubic ft.

Either 110 or 32 volts can be supplied. The 110 volt is used for direct lighting, and the 32 volt for charging storage batteries and lighting.

In writing for prices, state which type of outfit you are interested in, and the work desired of it.

The cut herewith shows our type 2-V engines, which are especially adapted to direct connect with generators. They are of the two cycle type, taking an explosion at each revolution of the crank. They have a patented sensitive throttling governor, giving a stronger or weaker explosion according to the load. There is, consequently, no jerk from the explosion, and the volt-meter will stand practically at one point, giving a perfectly steady light. This type is furnished in the direct connected style, and can be used without storage batteries, directly on the line. It is used a great deal for moving picture shows, store, church and hotel lighting, making storage batteries unnecessary, since the engine runs as quietly as an electric motor, and without vibration.



Cut showing Storage Battery used on the No. 0-1 and 2 Plants

OUR No. 1 FEED MILL

Neat and Efficient

Specifications

Pulley 6x24 inches, other sizes made to order; capacity 10 to 30 bushels per hour, 1½ to 4 h. p.

Speed: 290 to 1100 R. P. M.

Shaft: 1½ inch diameter.

Weight 90 lbs.

Weight boxed for export 140 lbs.

Height 33 inches.

Cubic ft. measurement 10.

Table of Power and Capacity

| Speed | Power | Bushels Per Hour |
|-------|-------|------------------|
| 550 | 1½ | 10 |
| 670 | 2½ | 15 |
| 920 | 4 | 20 |
| 1150 | 4 | 30 |

The construction is steel and iron throughout; bearings have large wearing surfaces. The mill is provided with safety springs to protect the burrs from nails, etc., and to keep burrs apart when running empty. The screws for adjusting the burrs, together with the number of different burrs which we furnish, admits grinding grain to practically any degree of fineness desired. Burr cover is mounted on hinges to make access to burrs easy.

One set of fine burrs and one set of coarse burrs are furnished with each machine.

This handy little mill can be supplied promptly at a low price