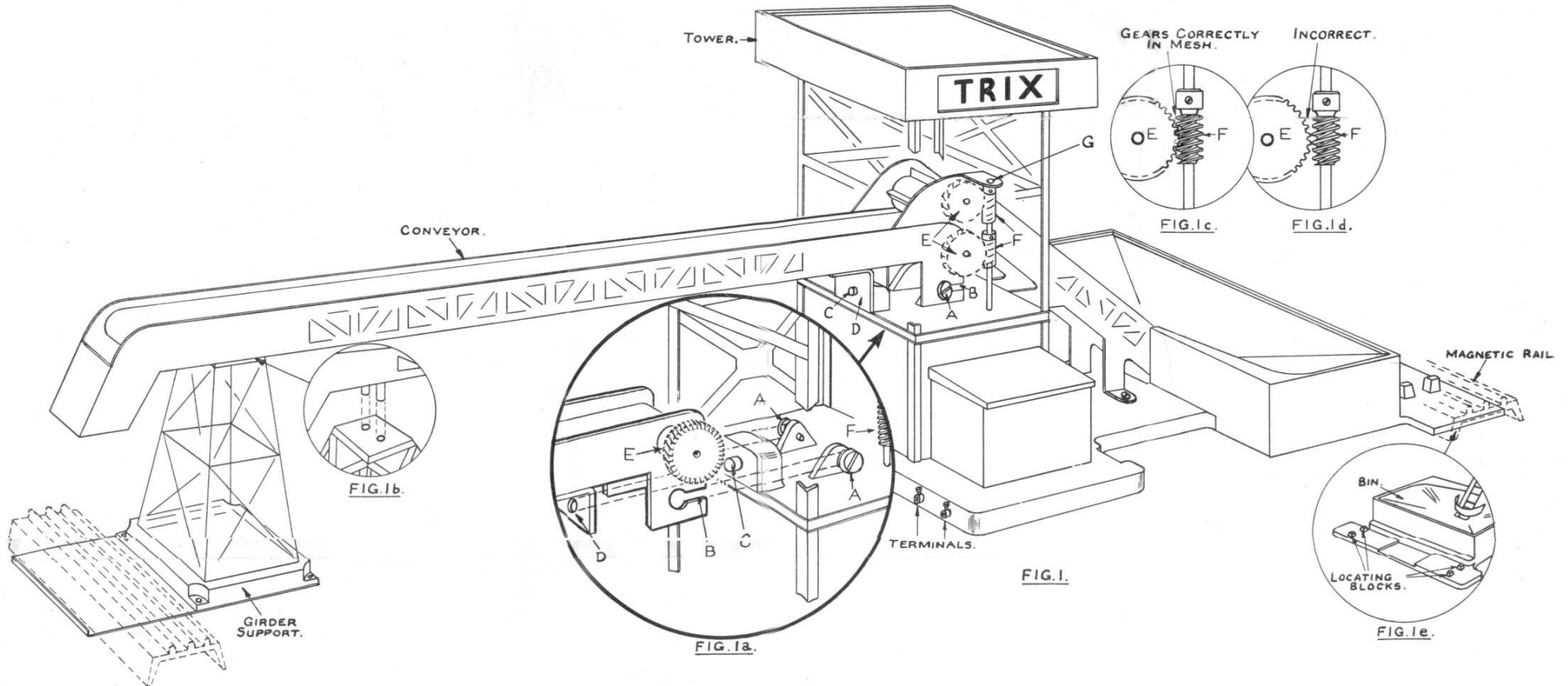


INSTRUCTIONS FOR ELEVATOR CONVEYOR



USING COAL LOADING SET No. 799
or ELEVATOR CONVEYOR No. 788 with OPERATING DUMP WAGON SET No. 766
or ELEVATOR CONVEYOR No. 788 with MINERAL TRAIN SET No. 1/366



ASSEMBLING

Slacken the two screws (A) (Figure 1a). Hold the conveyor horizontally and slide into the tower passing the slotted holes (B) behind the heads of these screws (A). Fit dowel pin (C) into the hole of bracket (D): (Figure 1a).

Fit the other end of the conveyor on to the girder support, using the two dowel pins for location (see Figure 1b).

Press the conveyor firmly against the tower and make sure that the gears (E) are properly in mesh with worms (F) (see Figures 1c and 1d). Tighten screws (A) to lock conveyor firmly in position with tower.

INSTALLATION

The Elevator Conveyor is designed to span an oval of Trix Track (see Figure 2); the distance between two tracks served must, therefore, always be 27" measured from centre rail to centre rail.

Fit the magnetic rail No. 427 (included with Coal Loading Set No. 766, or Mineral Train Set No. 1/366) over the platform attached to the elevator coal bin, using the four small blocks for exact location (Figure 1e).

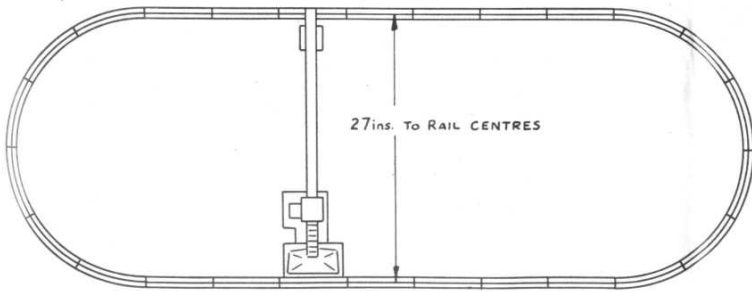


FIG. 2.

LUBRICATION

Use special Trix Shell Oil. Parts requiring occasional lubrication:

The top bearing only of the worm shaft G (Fig. 1).

The two shafts carrying the nylon gears E, which should be oiled sparingly at the points where they pass through the sides of the elevator and conveyor frames.

N.B. — Keep rubber belts free from oil.

The self-lubricating bearings fitted at either end of the motor shaft do not normally require lubrication. If after a lot of running these bearings become dry, a spot of oil should be applied.

WIRING

Follow Figure 3 and connect one terminal in base of conveyor to "C" of power supply.

Connect the second terminal to the red switch No. 418.

Connect terminal of magnetic rail No. 427 to one terminal of black switch No. 449. The other terminal remains unused.

Plug red switch and black switch together. Connect side of these two switches to terminal "A" of power supply. Operate red switch and test. The motor will start and both belts will move—if paragraph 1 of these instructions has been observed and the gears (E) and (F) (Figures 1c and 1d) are correctly meshed.

OPERATION

Shunt dump wagon exactly on to centre of magnetic rail and pull lever of black switch. The dump wagon will then tip its load into the bin.

IMPORTANT:

Release the lever after each operation. Do not overload.

Use TTR Plastic Coal only (No. 866).

On pushing the lever of the red switch forward, the coal will be raised to the level of the conveyor, and carried across to the far side, where empty wagons are waiting to be loaded.

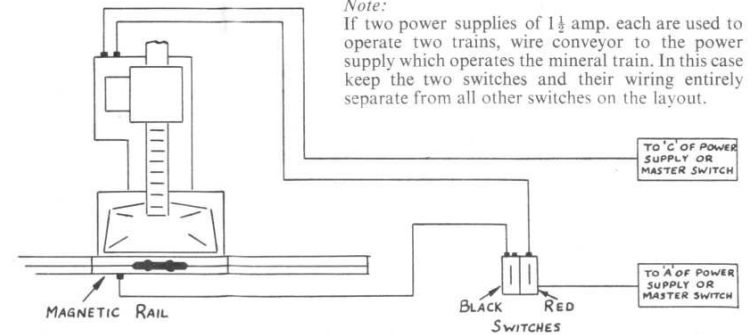


FIG. 3.

Note:
If two power supplies of 1½ amp. each are used to operate two trains, wire conveyor to the power supply which operates the mineral train. In this case keep the two switches and their wiring entirely separate from all other switches on the layout.