

FIGURE 4

TOP OF SUPPORT

In Figure 1 and Figure 4 you will see how the supports are constructed. Each support is built with two (MN) 12" base plates fastened together to form the vertical member with a single 12" base plate fastened on a slant to the base plates with (CH) right angles, see Figure 4. Two (DP) 12" angle girders are fastened to the single base plate and then to the mounting board. As a bottom support (B) 5" girders are

fastened to the vertical base plate and to the single slanted base plate. These girders are fastened to slanted base plates with (CH) right angles.

Across the slanted base plate is fastened an (A) 2 1/2" girder and then (2) (D) 2 1/2" curved girders fastened to the (DP) 12" angle girders.

In Figure 4, you will see that 2 (MO) 3" angle girders are fastened to extend the vertical support higher. Across the top of these two 3" angle girders is fastened an (N) long double angle, the center hole of which is used to support the large wheel.

As shown in Figure 4, a large pulley is fastened to the 12" axle. The pulley is made with 2 (BN) regular turret plates fastened together with a (CJ) 36 tooth gear.

The two supports are now fastened to the wood base in such a location that when the large wheel is mounted in the supports it will be free to turn between them. The wheel is kept from shifting from side to side by fastening two P7-A pulleys to the 12" axle one on each side of the long double angle at the top of the support. This is done on the opposite end of the axle from the driving pulley. The pulleys should be fastened to the shaft with their hubs toward the long double angle.

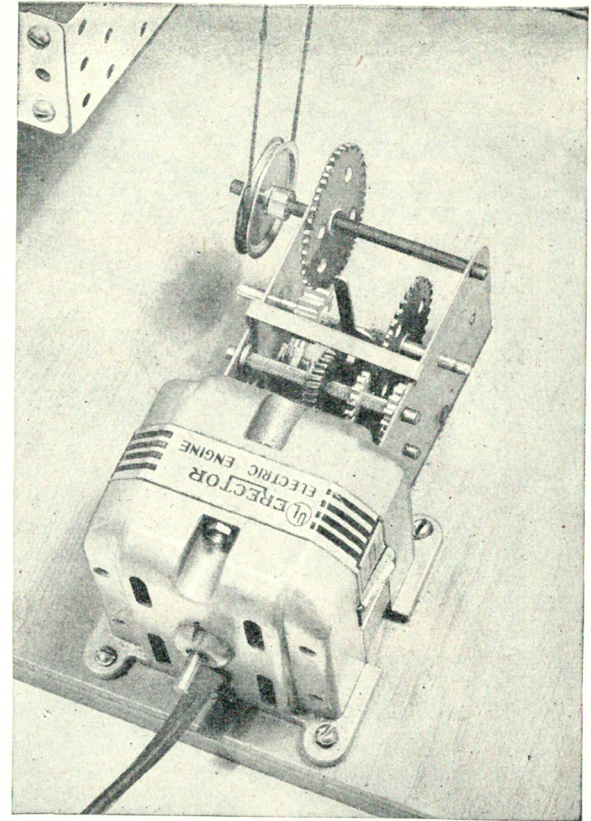


FIGURE 5

POWER UNIT

The power unit is an A-49 Electric Engine geared as shown in Figure 5. A P7-A pulley is fastened to an (AT) 4" axle. The power unit is fastened to the base as shown in Figure 1. A string for driving the model is fastened around the pulley on the power unit and around the large pulley on the 12" axle.