ENGINEERING SET REG. THE MARVEL BUILDER

BOOK OF INSTRUCTIONS AND ILLUSTRATED MODELS BY THE MODEL-IT MAN

Did You Know This, Young Man?

MODEL-IT has become the first choice of every boy "who wants to build something." And there are mighty few boys in whom this instinct is not inherited.

MODEL-IT not only gratifies your impulse to build, in miniature, the objects you see about you daily . . . it teaches you to observe . . . encourages you to invent.

MODEL-IT will be your favourite present because of the wide variety of models you can make from its wealth of parts and accessories. In the following pages you will find working models WHICH CAN BE MADE FROM THIS SET OF MODEL-IT.

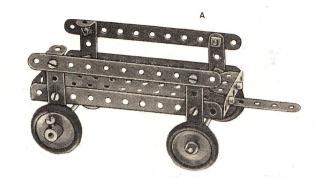
But you can make many more . . . hundreds more! It's just a matter of a little thought—and then a lot of happy hours spent with MODEL-IT. Now go to it, my boy—and best of luck.

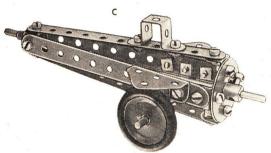
THE MODEL-IT MAN

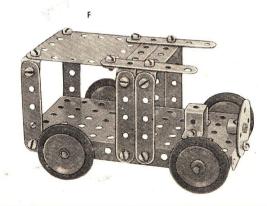
MODELS
on this page
made with all
Model-it Sets

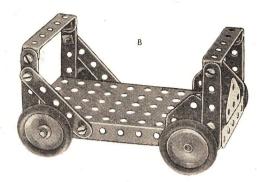
- A FARM CART
- B RAILWAY PLATFORM TRUCK
- C ROCKET SHIP
- D FIRE ENGINE LADDER
- E BALANCE SCALES
- F DELIVERY VAN
- G SEE-SAW

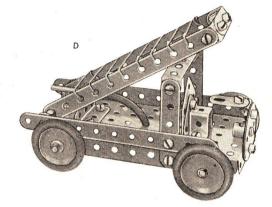


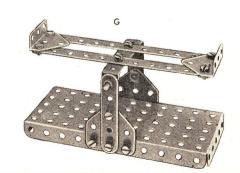


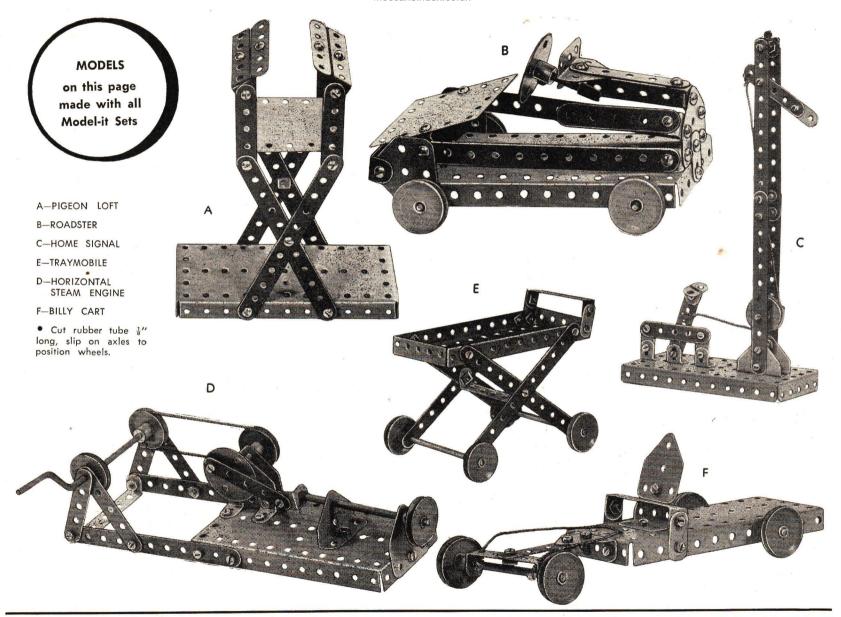


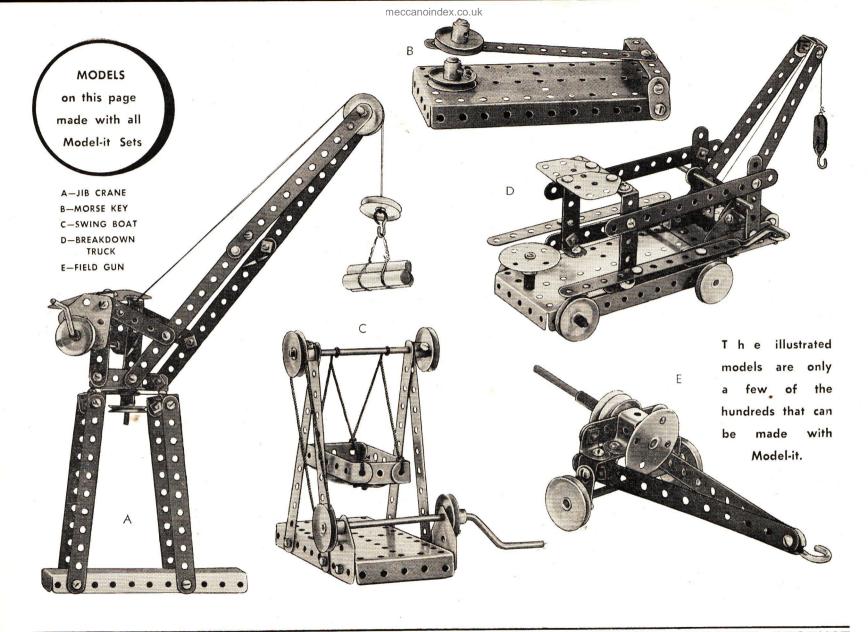




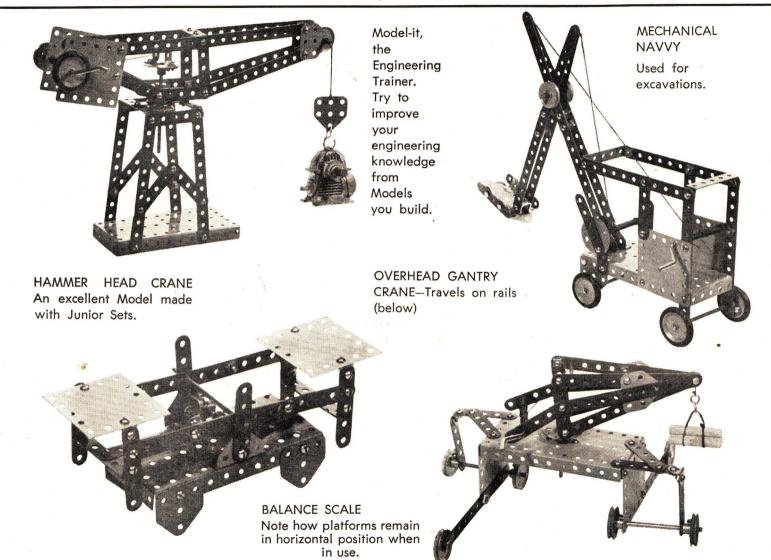




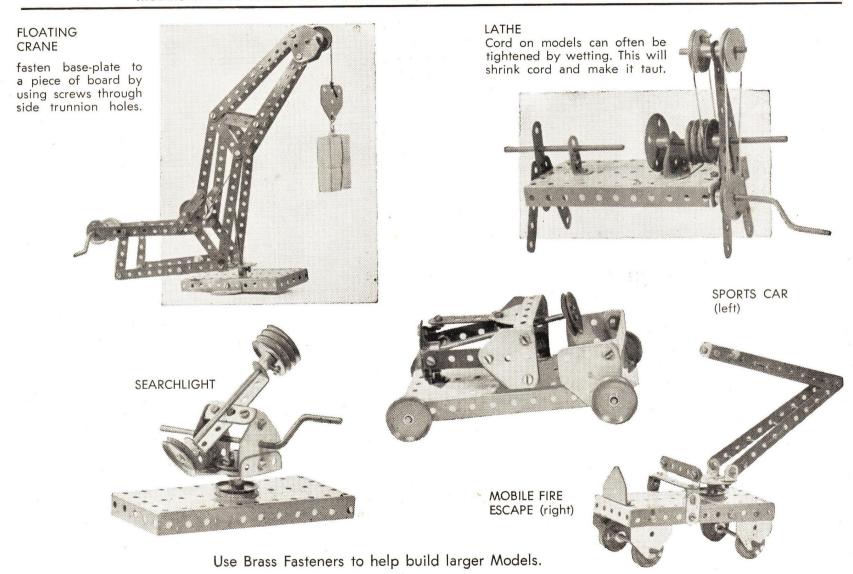


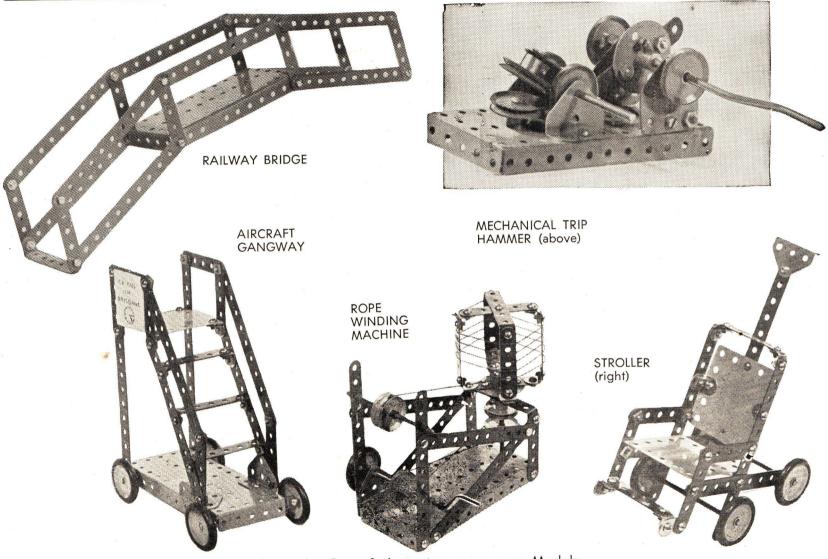




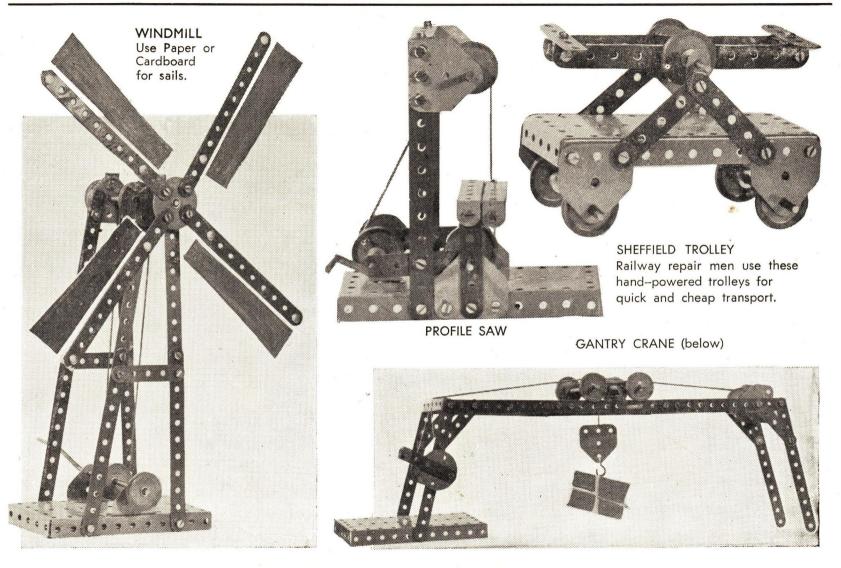


Double Bent Strips can be used for lining up Axles when in vertical position.

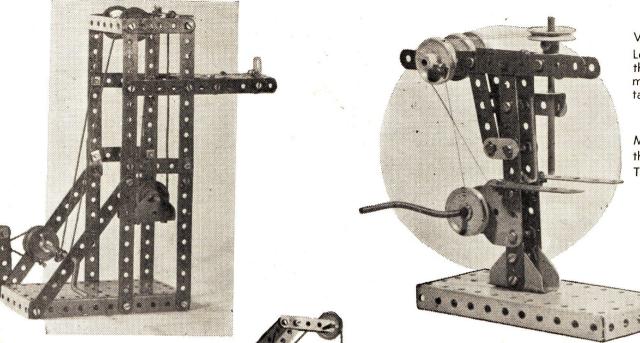




Enjoy the fun of designing your own Models.



Use Rubber Tubing cut into lengths as required to position Axles and Wheels without Set Screws.



VERTICAL DRILL

Learn from this Model the method of transmission from a horizontal to a vertical drive.

MODEL-IT the ENGINEERING TRAINER

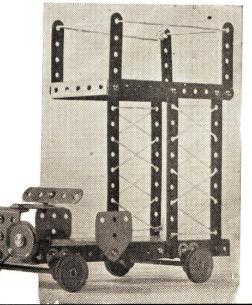


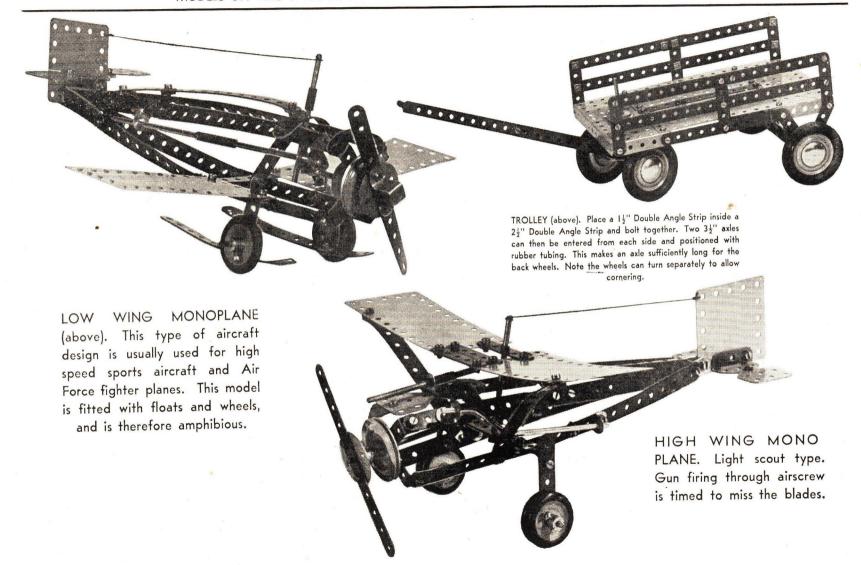
FACTORY CRANE (above)

HIGH SPEED ELEVATOR (above)

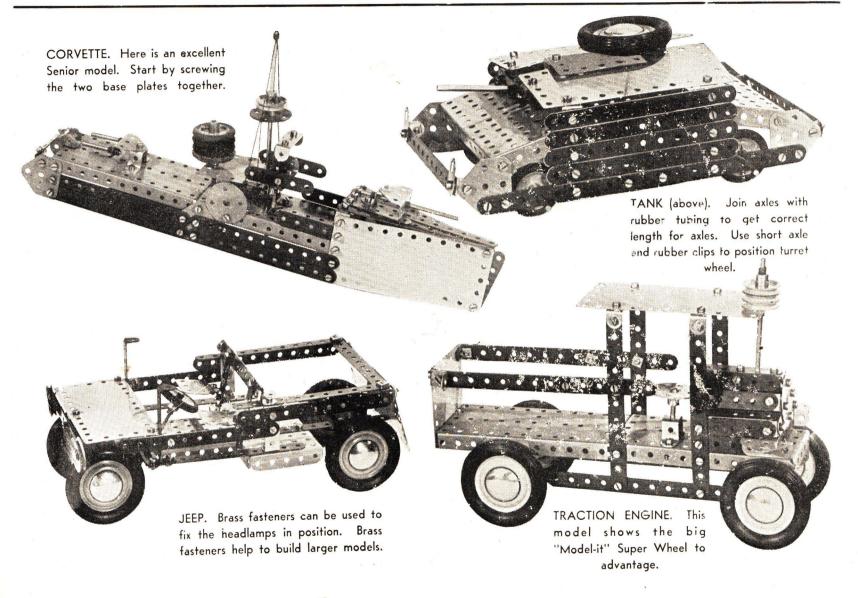
OVERHEAD TRAMWAY TROLLEY (right)

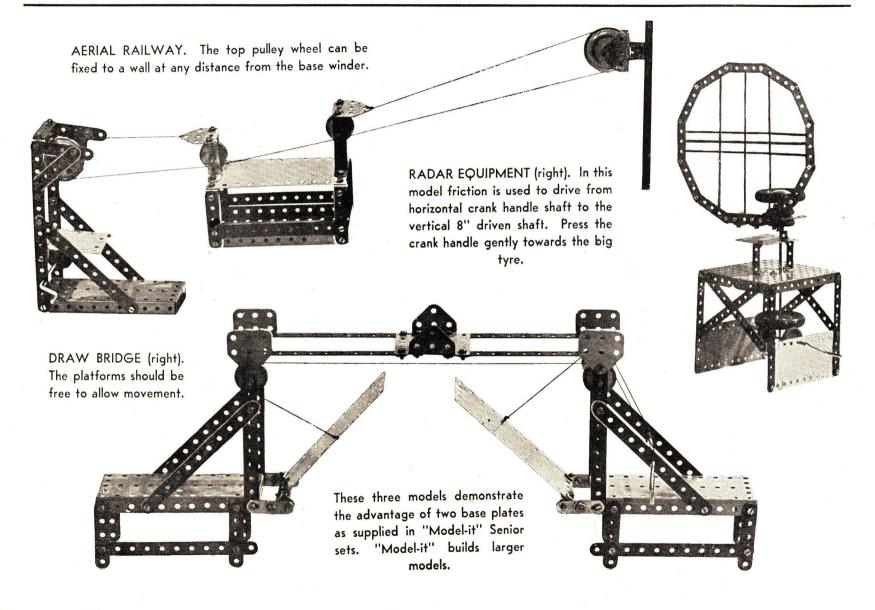


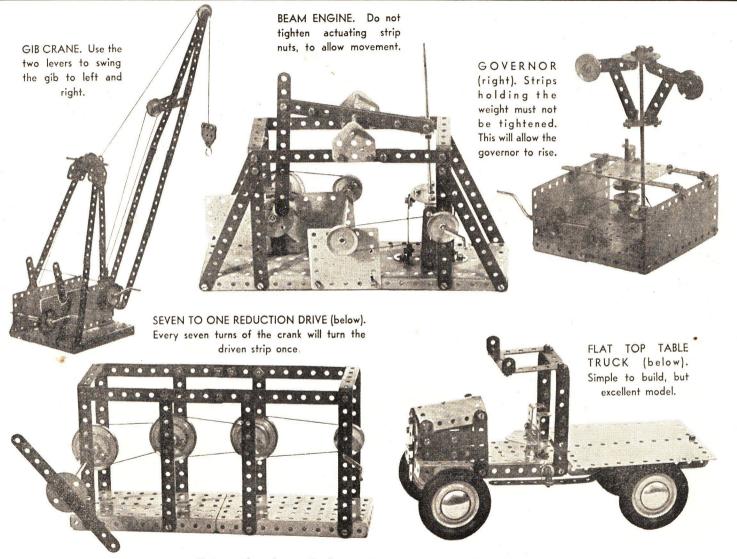




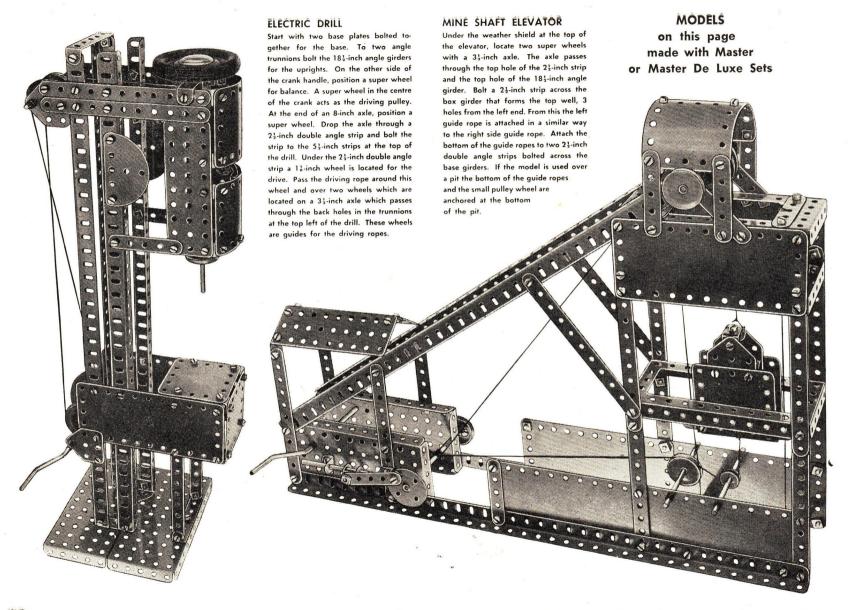
Improve your set by additional Model-it parts.







Enjoy the fun of designing your own Models.



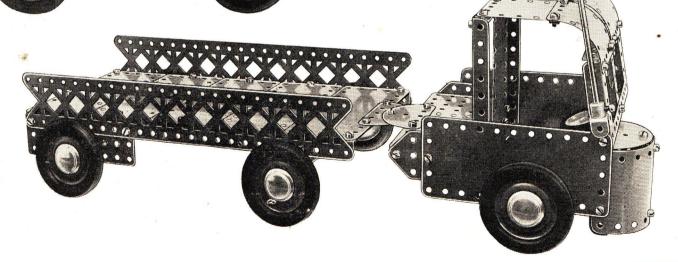
MODELS on this page made with Master De Lux Set

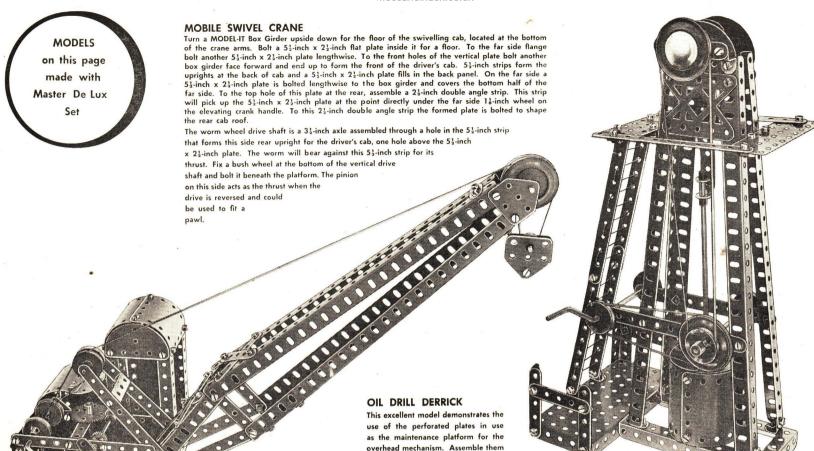
AMERICAN EXTENSION FIRE LADDER TRUCK

Bolt two base plates together for the chassis platform. The MODEL-IT Box Girder is well used for the frame of the rear section, on which the ladder hinge mechanism is constructed. Bolt angle brackets to the side slotted holes of the outside ladder members and adjust for clearance to allow extension ladder to run easily beneath them. The inside extension ladder side members face outwards and run beneath the angle brackets which locate them and act as slide guides. The ladder raising crank will higher the ladder quickly with a part turn of the crank. The ladder extension is operated by the second crank and cord.

HEAVY SEMI-TRAILER

Construct the back of the cab with 5½-inch angle girders, one each side. Use 5½-inch x 2½-inch flat plates for the back wall. The MODEL-IT Box Girder wakes an excellent wind shield, with a 2½-inch strip down the centre. Under the shield, bolt a base plate. For the radiator, bolt two formed plates to the side plate and top them with a semi-circular plate, which is bolted under the box girder. To each end of a 1½-inch double angle strip, bolt an angle bracket to form a Z. Bolt these inside at the bottom of the side plates. Pass a 1½-inch axle through the outside plates and the double angle strip. Locate with ½-inch of rubber tube. Attach front wheels. Reverse angle brackets bolted to trunnions hold the trailer wheel axles.

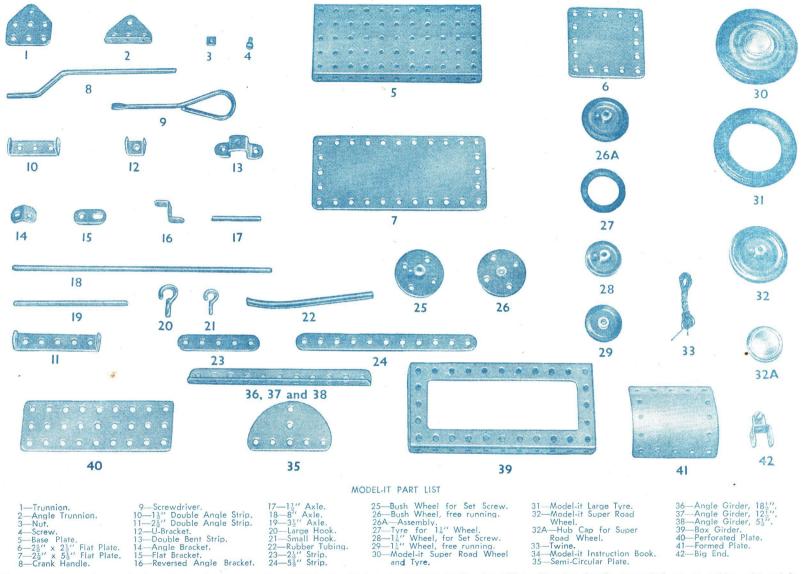




To allow the bush wheel to turn freely the bolt which fastens the 5½-inch strip to it should have a lock nut each side of the bush wheel and tightened against it, with clearance between the head of the bolt and the 5½-inch strip. The 1½-inch wheels on the far side of the crank handle and the 3½-inch axle are for balance and extra driving cord. The formed plates are of course assembled to the bottom box girder with angle brackets mounted inside.

with angle brackets. A semi-circular plate is bolted to the top holes in the 12½-inch angle girders on each side. Reverse angle brackets bolted to the

same holes make the brackets to hold a 2½-inch strip assembled horizontally between them. Through this 2½-inch strip slide a 1½-inch axle. On the other end of the axle fasten a bush wheel, hub facing the super wheel. To one of the holes in the bush wheel bolt a 5½-inch strip, the other end of which is assembled to the drilling shaft.



To remove hub cap from road wheel: Push axle through bearing till it touches the hub cap and tap gently. Cut rubber tubing into lengths as required; use to position axles and for axle clips.

MODEL-IT

(Registered)

Lawdex Manufacturing Company

INCORPORATING MODEL-IT MANUFACTURING CO.

SYDNEY

AUSTRALIA