

The 'PREMIER'
STEEL CONSTRUCTIONAL SET



INSTRUCTION
BOOK



Every Boys' Dream Set . . .

The "PREMIER" Steel Constructional Set

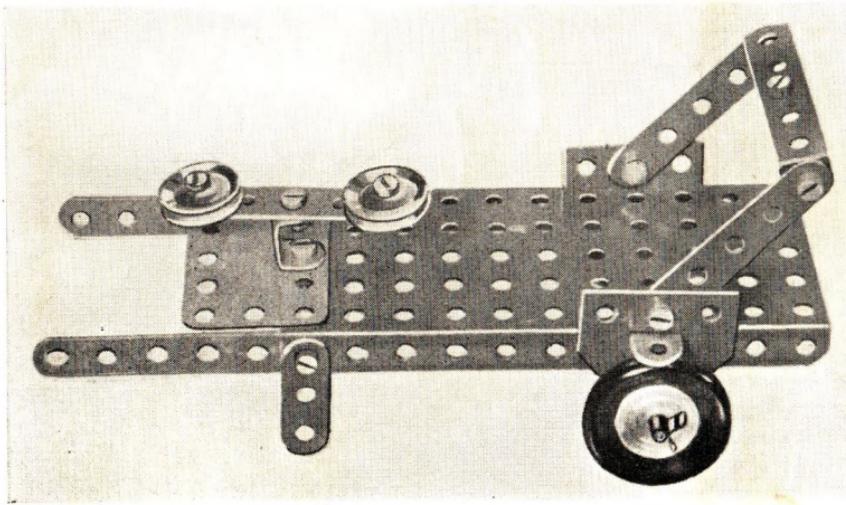
The "PREMIER" Steel Constructional Set is not a toy but has been designed to afford an educational hobby of interest to all young folk preparing to become engineers in the future. It demonstrates the values of strains, stresses, leverage and the ability to build reproductions of the most complicated structures and mechanical devices. The coloured parts make most effective looking models.

Whilst an endeavour has been made in the following pages to illustrate a few of the simpler models which can be assembled with parts from Premier Sets it would require a much larger volume to depict the full range of designs which can be built from one or other of the Premier Range. So think it out—then build it; this is how you will derive the most pleasure and educational value. If you require extra parts just see the Dealer who sold the set, he will not keep you waiting long.

INDEX OF PARTS USED IN ALL THE SETS, AND SPARES.

Part No.	Description	Part No.	Description	Part No.	Description
S1	1 $\frac{1}{2}$ " Straight Strip	F1	2 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " Flat Plate	W3	1" Bossed Pulley
S2	2 $\frac{1}{2}$ "	F2	5 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	W4	1 $\frac{3}{4}$ " Bossed Disc Wh.
S3	4 $\frac{1}{2}$ "	F3	5 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	W5	1 $\frac{1}{2}$ " Road Wheel
S4	6 $\frac{1}{2}$ "	F4	2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	W6	1 $\frac{3}{4}$ " Flat Disc Wheel
S5	10 $\frac{1}{2}$ "	F5	2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " Curved .. Tapered Base Plates	L1	1" Axle Rod
A1	5 $\frac{1}{2}$ " Angle Strip ..	P1	5 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	L2	2 $\frac{1}{2}$ "
A2	10 $\frac{1}{2}$ "	P1a	2 $\frac{1}{2}$ " x 2"	L3	4"
C1	1 $\frac{1}{2}$ " Channel Strip	Rectangular Base Plates		L4	8"
C2	1 $\frac{1}{2}$ "	P2	5 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	L5	3 $\frac{1}{2}$ " Crank ..
C3	2 $\frac{1}{2}$ "	P2a	2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	L6	6 $\frac{1}{2}$ " ..
C4	4 $\frac{1}{2}$ "	P3	2 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	L7	3" Crank Shaft
B1	1" Bracket ..	P3a	5 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	D	Screwdriver
B2	1" x 1 $\frac{1}{2}$ " ..	P3b	4 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ "	NB	Nuts & Bolts
B3	1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " ..	P3c	3 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	SC	Clips
B4	1 $\frac{1}{2}$ " Double Bracket	P4	5 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " Rigid Plate	H1	Hook
B5	1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " x 1"	P5	5 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	N5	Spanner
B6	Fish Plates ..	P6	3 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "		
B7	1 $\frac{1}{2}$ " Corner Plate	P7	3 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "		
B11	2 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	T1	Angle Trunnion		
B8	2 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " Girder Plate	T2	Flat Trunnion		
B9	3 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	W1	1 $\frac{1}{2}$ " Pulley Wheel		
B10	5 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	W2	1"		
B12	1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "				

The "PREMIER" coloured parts make this

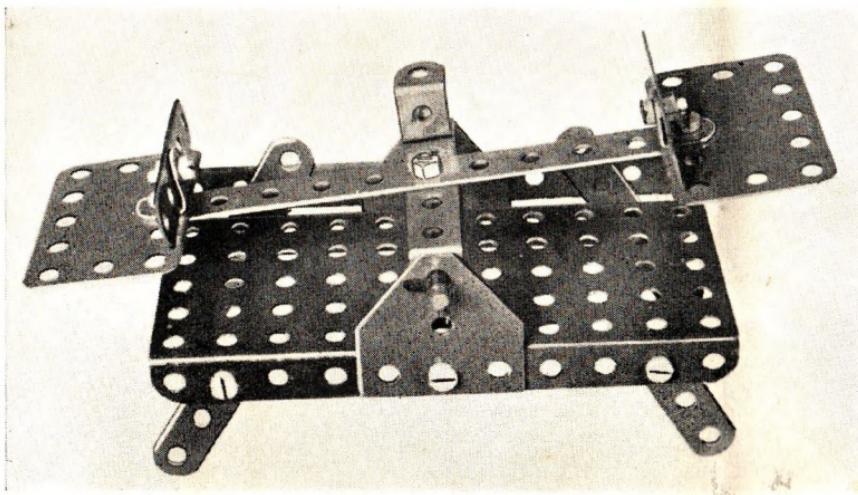


Coster's Barrow

You have often seen them in streets and market places filled with vegetables and fruit. This model is easy and quick to make up from any set.

Built from No. 1 Set.

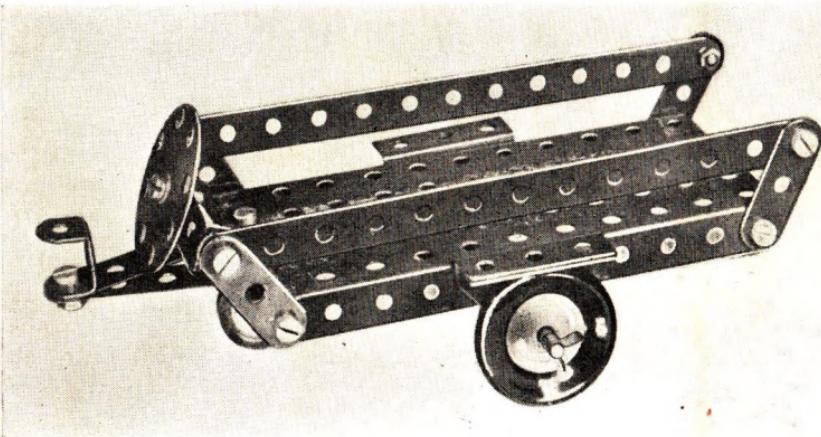
Every Boys' Dream Set



Balance Scale

This is another easy model for the beginner. It contains the main features of all weighing machines which you have seen at the grocers or butchers.

Built from No. 1 Set.

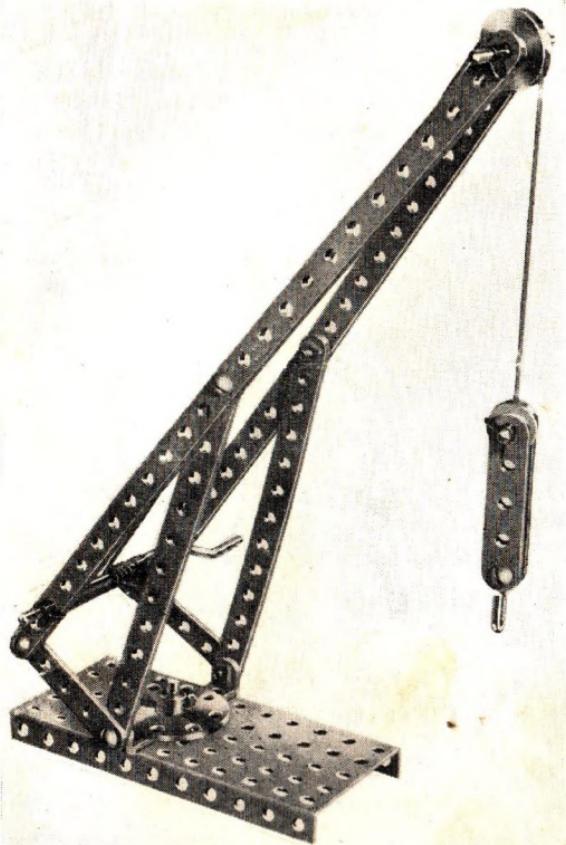


Car Trailer

Make it and attach it to your Toy Car. You see them more frequently in the country than towns, carrying Pigs, Sheep or Vegetables to the market, and sometimes your luggage from the station to the Hotel.

Built from No. 1 Set.

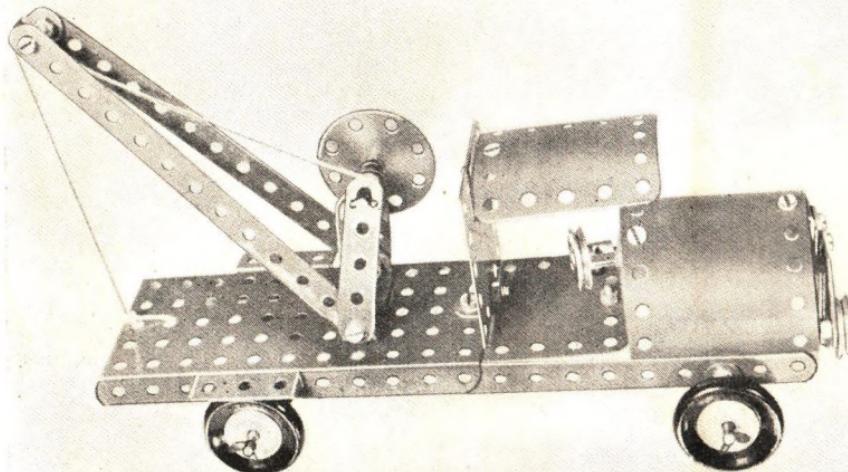
Every Boys' Dream Set



Railway Siding Crane

Usually placed near Railway lines for unloading heavy goods. This is a simple model to build and can be improved on quite easily. Just try it.

Built from No. 2 Set.

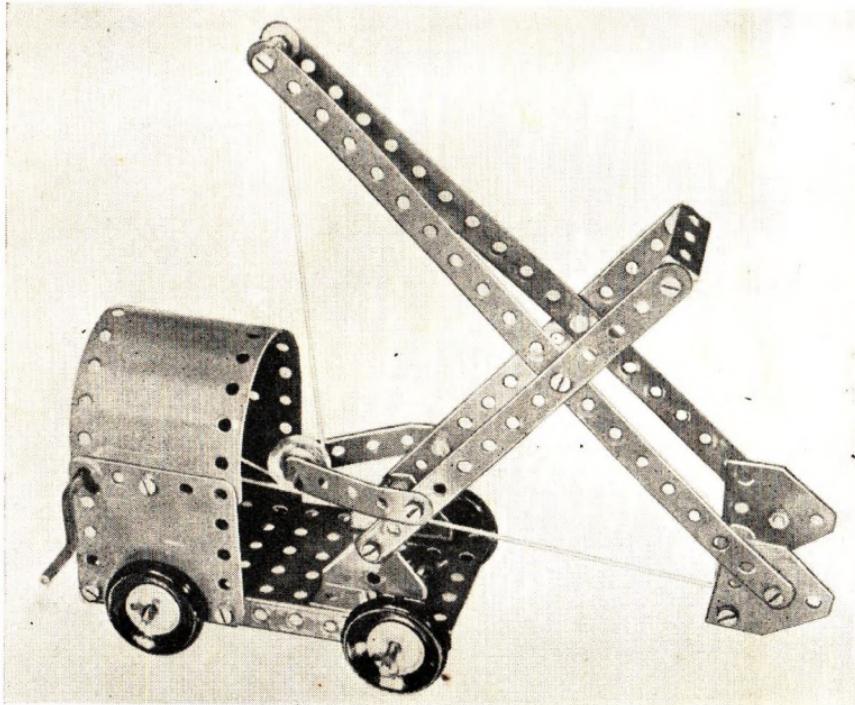


Breakdown Lorry

Used by Garages for towing cars broken down on the road. Build the lorry first then the Crane which can be fitted quite easily.

Built from No. 2 Set.

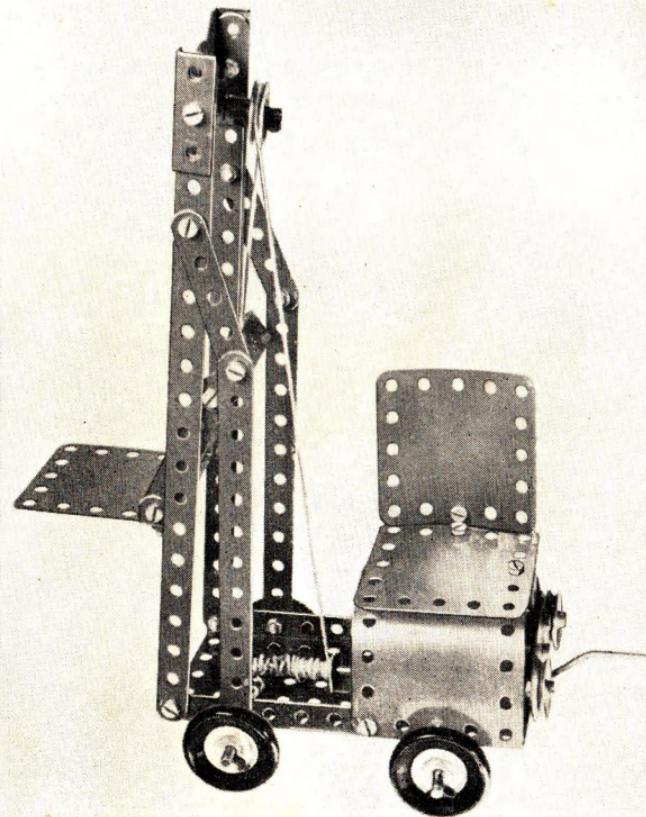
Every Boys' Dream Set



Mobile Excavator

For road making or digging trenches. These machines have helped to build such places as the Panama Canal. Then they were operated by steam engines but now they use Diesel engines.

Built from No. 2 Set.



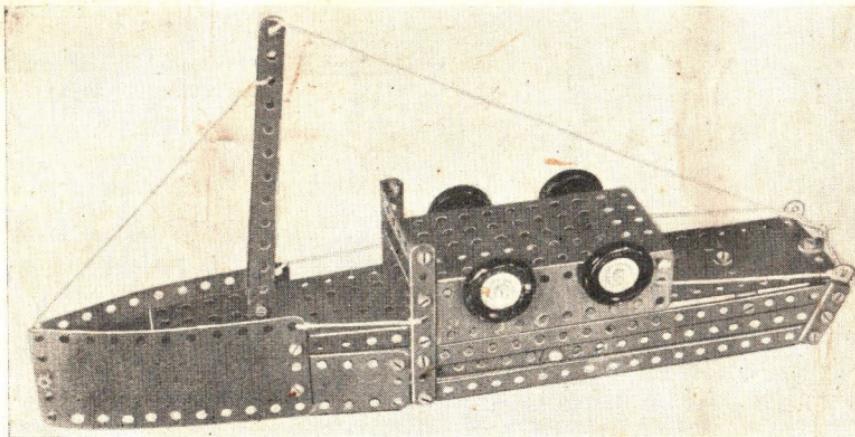
Factory Fork-lift

Used for transporting crates or other heavy goods from one factory department to another. Can be operated by one man and saves much time and effort which can be used on more productive work.

Built from No. 2 Set.

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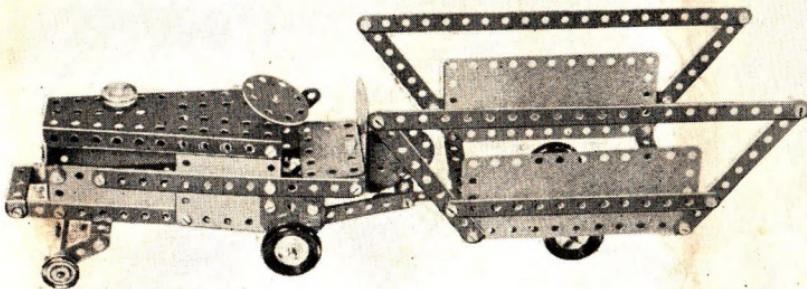
The "PREMIER" coloured parts make this



Motor Launch

Seen quite a lot at popular River and Seaside Resorts. All boys enjoy making this model which can be improved on with home made parts and fittings.

Built from No. 3 Set.



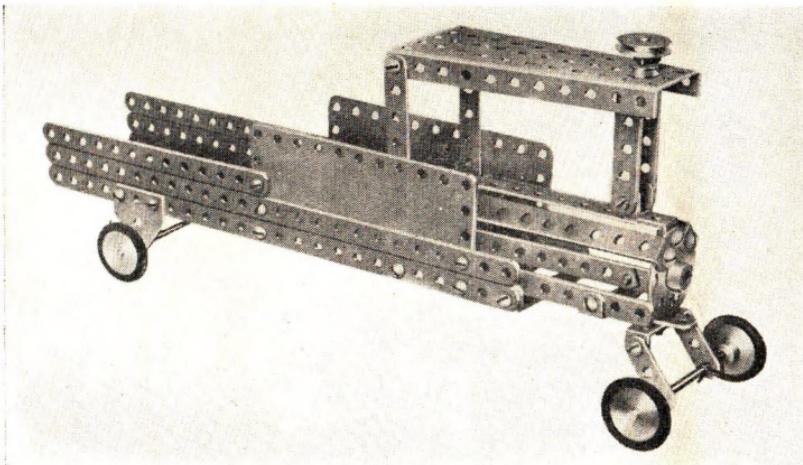
Tractor and Hay Cart

Most boys love hay making and riding on the Hay cart. So make up this model—it's great fun.

Built from No. 3 Set.

Every Boys' Dream Set

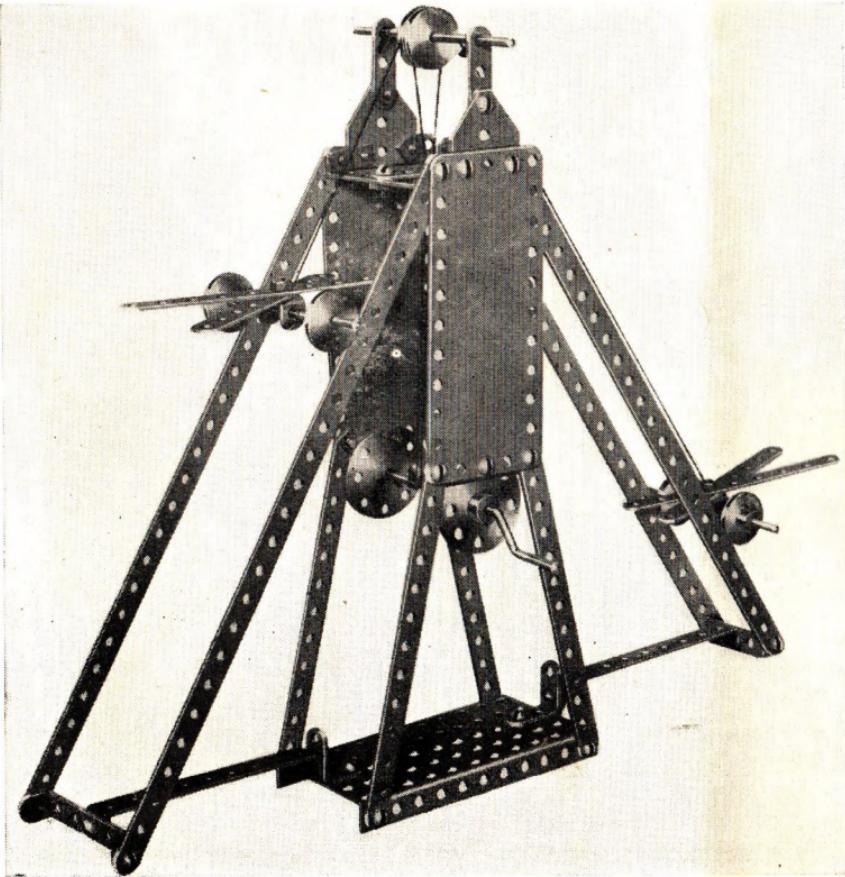
The "PREMIER" coloured parts make this



Steam Wagon

Used by lumber contractors for removing tree trunks from forests to the mills and in fact many other heavy loads to and from Railway Sidings.

Built from No. 3 Set.

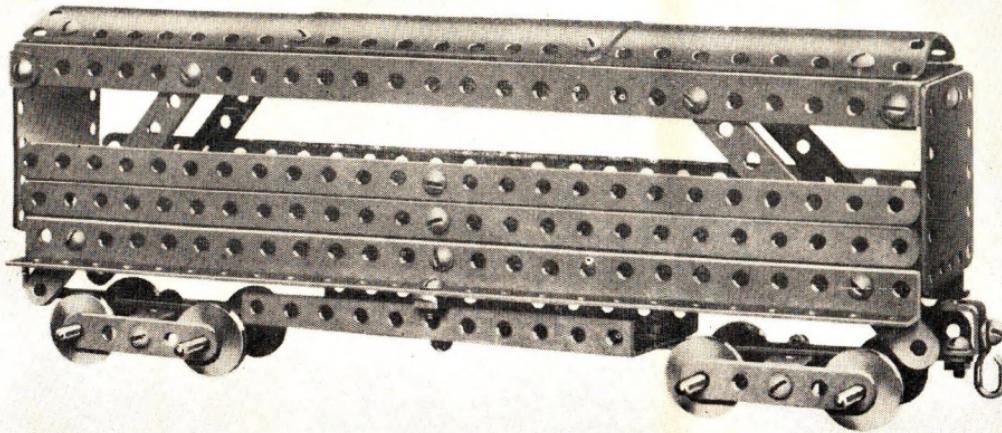


Elevator

Used mostly for coal or grain. Can be seen at large towns and industrial areas. A most fascinating model which can be elaborated as required. It contains many essential engineering principles.

Built from No. 4 Set.

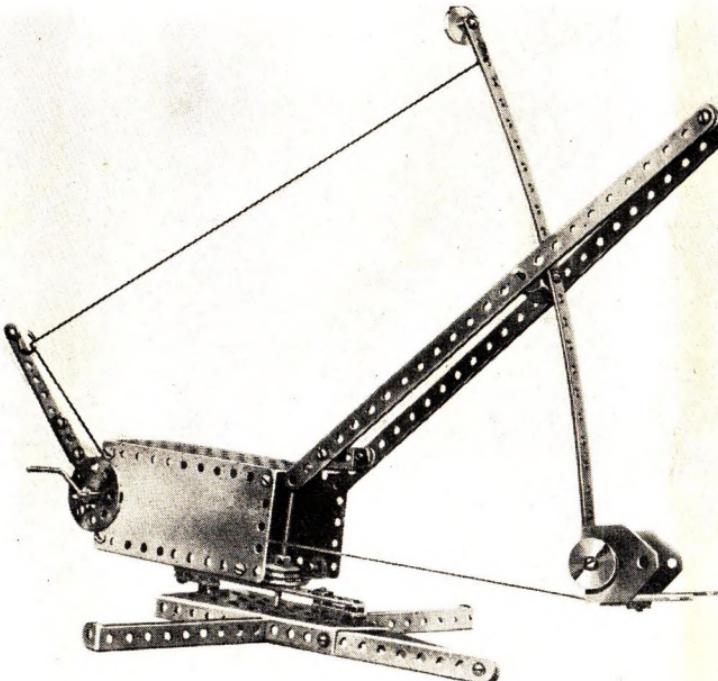
The "PREMIER" coloured parts make this



Railway Wagon

They bring our meat
to the market. A
ramp can be fitted
if required.

Built from No. 4 Set.

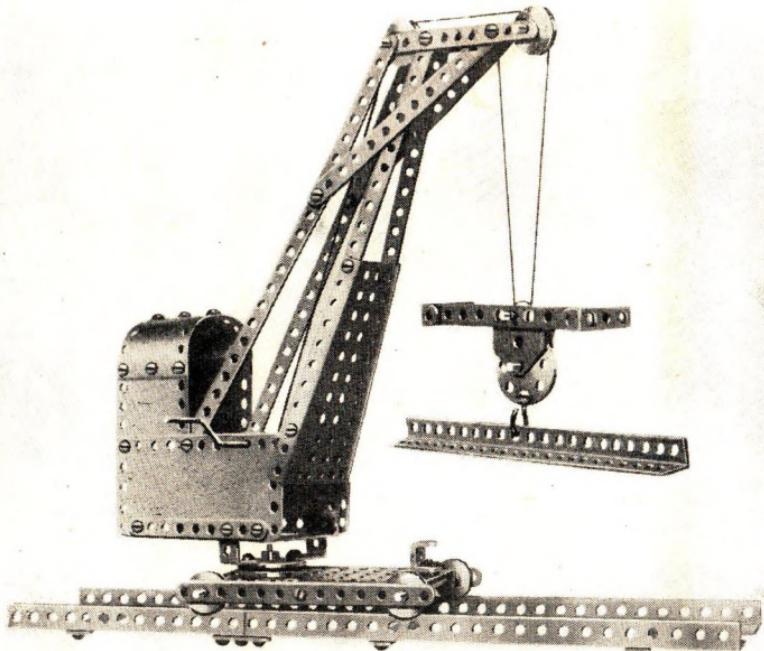


Mechanical Shovel

Does the work of a dozen men at once.
There is perhaps one working near your
home, watch it and try to improve on
this model.

Built from No. 5 Set.

Every Boys' Dream Se

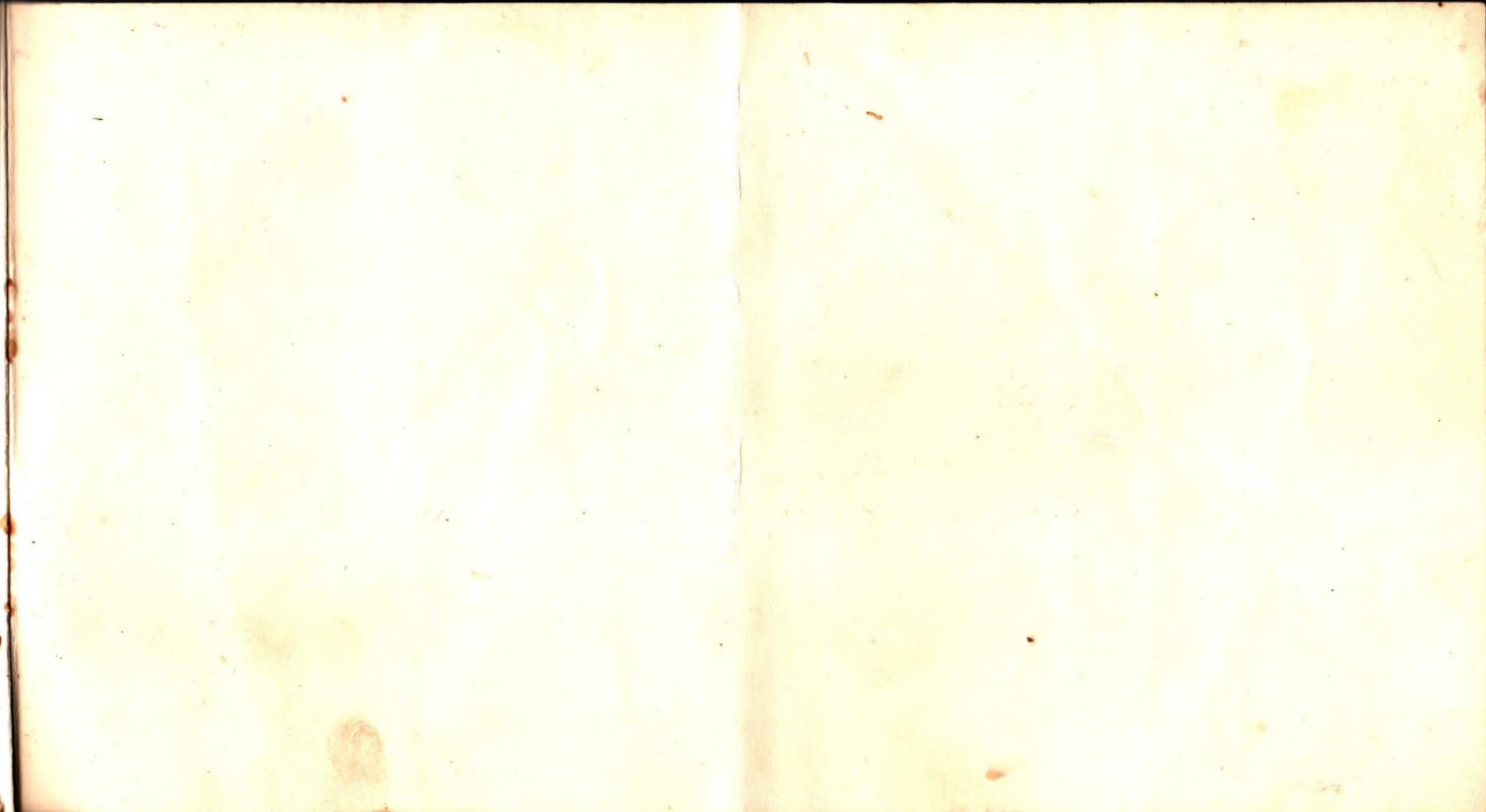


Mobile Railway Crane

Big firms have their own in sidings for very heavy loads. Watch them at work and then plan how to build your own with your Premier Set.

Built from No. 5 Set.

Every Boys' Dream Set



Important.

The manufacturers will be interested always to receive photographs of original models.

Should any be used in our next issue of catalogue, the originator will be sent our largest set (number five) free of charge.