

JR. ENGINEER: X1.1

U.S.A.

NAME	JR. ENGINEER		
TYPE	Simple Mechanical Engineering.		
HOLE DIAMETER	3.6mm	HOLE SPACING	12.7mm
SETS IN SYSTEM	1 only known (the box has '4½' on it but the manual does not refer to any particular set).		
DIFFERENT PARTS	27		
COLOUR	Bare aluminium, with red & orange Plates.		
FIXING METHOD	Nut & Bolt. - 6-40		
MOTORS	None.		
PERIOD	Known in 1946		
MANUFACTURER	Coledi Inc., New York 55, N.Y.		
COMMENTS	The parts are not well made, especially the Gears, and the Bolts are too long.		
OTHER SYSTEMS NEWSLETTER	22/632, 33/975, 33/976, 38/1133, 40/1196, 43/1293, 48/1452		

MATERIAL SUPPLIED BY Jacques Pitrat.



# JR. ENGINEER

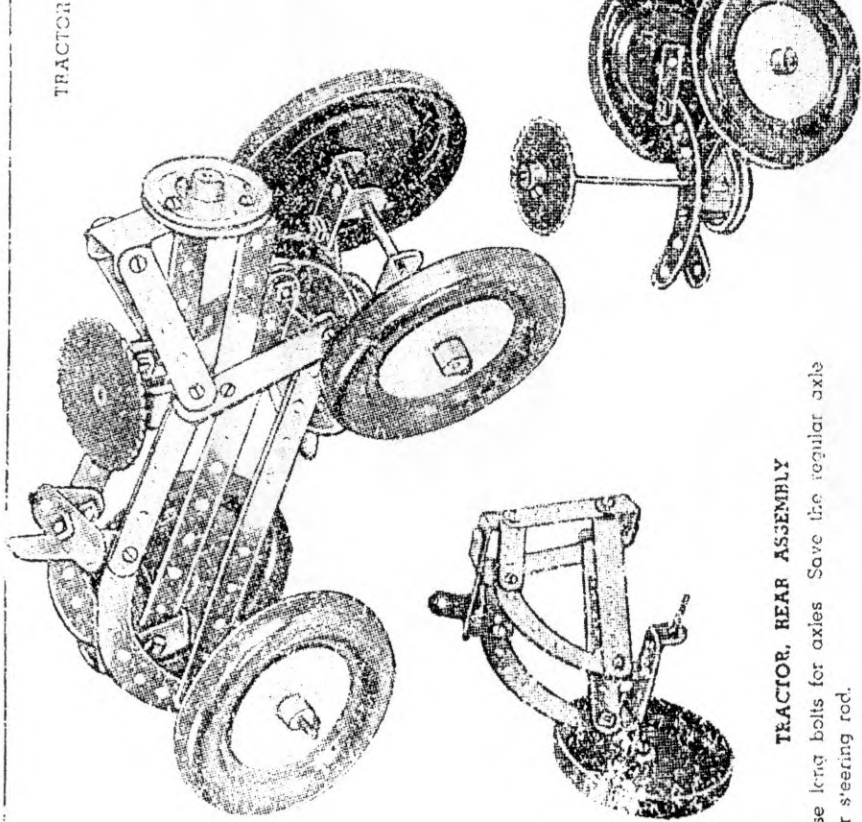
*Be a Jr. Engineer*

Build any model in this entire book with ease Jr. Engineer Set.

Manufactured by  
COLEDI, Inc.

*Easy-to-follow* **INSTRUCTION BOOK**

MADE IN U.S.A.



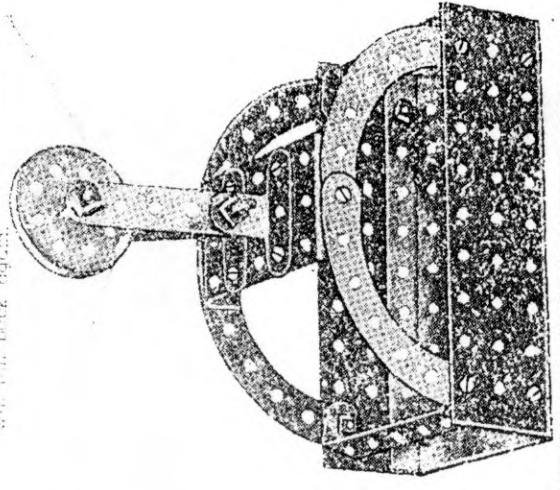
TRACTOR

**TRACTOR, REAR ASSEMBLY**

Use long bolts for axles. Save the regular axle for steering rod.

**CABLE CAR**

Let the car swing free on the long bolt, stretch one end of your string to a hook or nail on wall. Flip the other end of string and Cable Car will whirl off across the room. Draw string tight and Cable Car will roll back again.

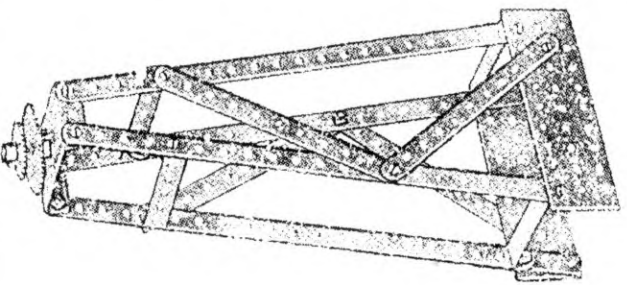


**TRACTOR, STEERING ASSEMBLY**

Run long bolt through curved girders and pulley position. Loosely steering rod. Use utility disc between belt head and chassis to avoid friction.

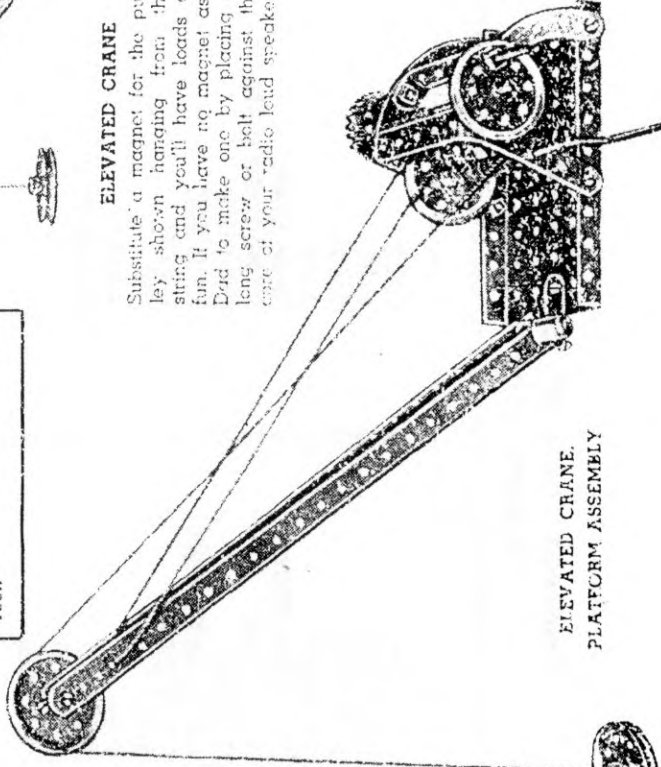
**CRANE TO TEST YOUR ENGINEERING SKILL**

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ELEVATED CRANE, TOWER ASSEMBLY

When making a hoist, fasten the end of your string to the hub screw of the wheel instead of the axle. It avoids slipping and makes a neat reel.

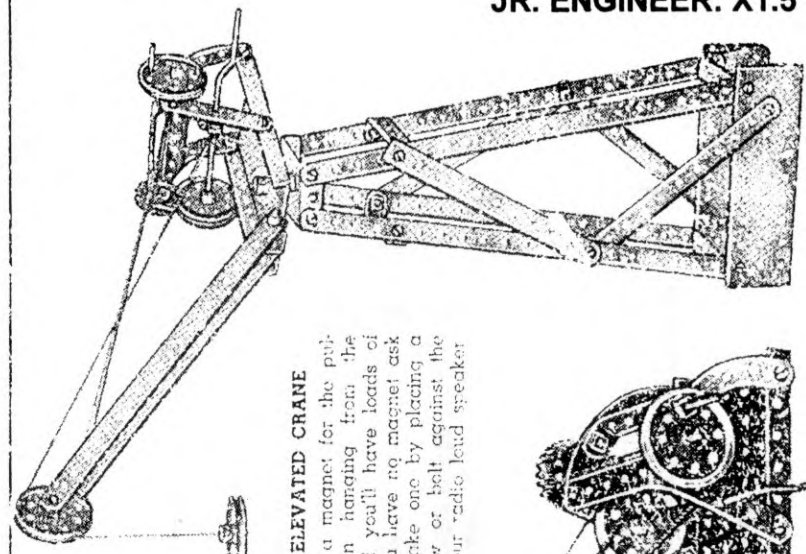


ELEVATED CRANE, PLATFORM ASSEMBLY

**ELEVATED CRANE**

Substitute a magnet for the pulley shown hanging from the string and you'll have loads of fun. If you have no magnet ask Dad to make one by placing a long screw or bolt against the core of your radio loud speaker.

**JR. ENGINEER: X1.5**

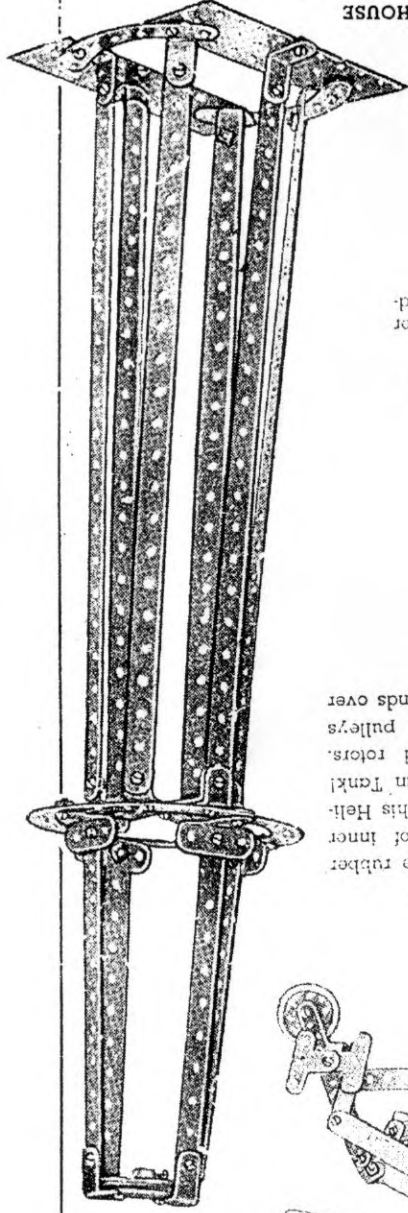


**Contents of a JR. ENGINEER Set**

believed to be complete.

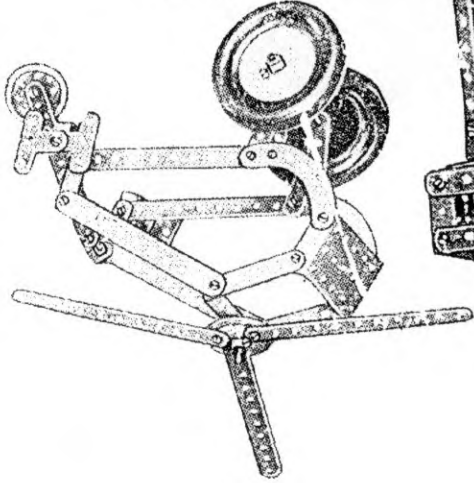
The names of the parts are those used in the manual, and are explained in OSN 22.

long girder	8	collar	2
short girder	6	axle	2
5 hole strip	6	crank	1
right angle	12	cord	1
right angle girder	6	base plate	1
girder brace	4	small base plate	2
tee angle	4	flat plate	4
double right angle	4	long bolt	47
curved girder	6	screw	39
wheel	4	nut	2
pulley	4	washer	2
utility disc	4	screw driver	1
large gear	1		
small gear	2		



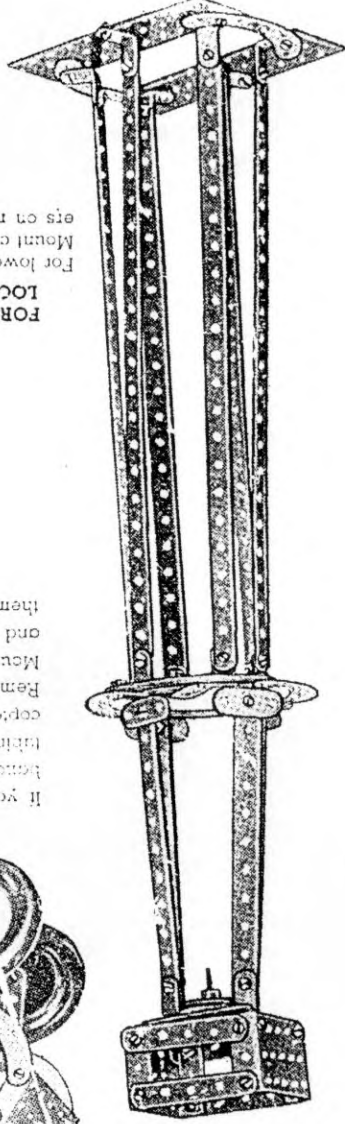
HELICOPTER

If you have two wide rubber bands or a piece of inner tubing you can turn this Helicopter into a Sherman Tank! Remove wheels and rotors. Mount the frame on pulleys and stretch rubber bands over them.



FOREST RANGERS LOCKOUT TOWER

For lower part of the tower. Mount circle of curved girder on right angles.



LIGHTHOUSE

See basic assembly No. 7

Printed in U.S.A.