

Patent No. 9628/13.
D.R.G.M. No. 562192. U.S.A. 1095858. May 5th, 1914.

INSTRUCTION BOOK

Illustrating a number of Models, both stationary and working, that give interest to boys of all ages.

Kingowiko.



Set No. 2. Contains 97 pieces. Price 5/-



Set No. 1.
Contains 53 pieces.
Price 2/6



Set No. 3.
Contains 126 pieces.
Price 7/6



Set No. 4. Contains 220 pieces. Price 12/6



Set No. 6.
Contains 442 pieces.
Price 25/- in Carton.
,, 30/- in Cabinet.



Set No. 5.
Contains 340 pieces.
Price 17/6

KLIPTIKO IS MADE OF STEEL AND IS UNBREAKABLE

No tools are needed, and it is perfectly easy to build a Barrow, a Bridge, a Crane, or a symmetrical and graceful Tower.

There are no irritating small parts to get into the wrong place, or in the reverse position.—All constructions are quite rigid and steady, and working models can be operated without slackness or fear of collapse.

The standard units are the same in each set, making all pieces interchangeable, and allowing one set to be added to another.

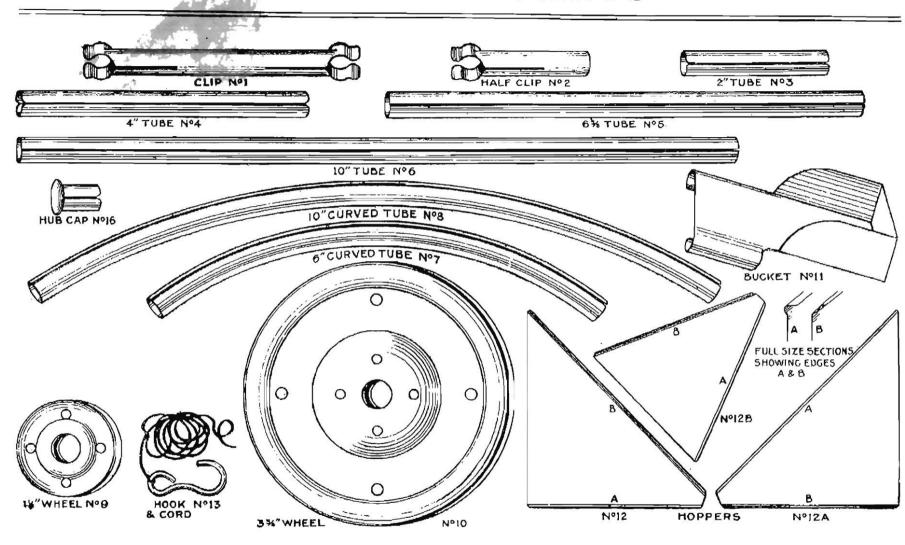
SET No. 1						Pric	e 2/6	Builds	all	models	from	1	to	7
	With	Accessory	Set	No.	١A	,,	3/-	,,	,,	,,	,,	1	,,	14
SET No. 2						,,	5/-			,,				
	With	Accessory	Set	No.	2A	,,	3/-	,,		1)				
SET No. 3		***				,,	7/6	,,	,,	,,	,,	1	,,	23
	With	Accessory	Set	No.	3 A	"	5/6	,,	,,	,,	,,	1	,,	29
SET No. 4						,,	12/6	,,	,,	,,	,,	1	,,	29
	With	Accessory	Set	No.	4A	,,	5/6	,,	,,	**	,,	1	,,	32
SET No. 5		•				1	17/6	,,	,,	,,	,,	1	,,	32
	With	Accessory	Set	No.	5A	,,	8/~	,,	, •	**	,,	1	,,	48
SET No. 6	in C	arton	.,			,,	25/-	,,	,,	,,	,,	1	3.3	48
SET No. 6	in C	abinet	• •			,,	30 /-	,,	,,	**	,,	. 1	,,	48

See page 35 for Contents of Sets.

Full particulars of Accessory Sets are given on page 34.

PRIZES ARE GIVEN FOR ORIGINAL MODELS

KLIPTIKO PARTS



FOLLOW INSTRUCTIONS AS ILLUSTRATED ON OPPOSITE PAGE.



Fig. 1.

In this illustration you will see how the Clips fix on one another, simply by pushing the springjaws over the plain part until they snap on.



Fig. 4.

Having shown how to use the Clips, we will now illustrate how to fix the Tubes together. Get two Tubes as illustrated in Fig. 4, place them end to end so that the end of each will enter the gap of the other, then slide them into one another the required distance, as shown in Fig. 5.



Fig. 5.

Hold one firmly and twist the other, as shown in Fig 6

INSTRUCTIONS.

The tubular pieces with spring-jaws shown in the following illustrations are called Clips, and those without are called Tubes.

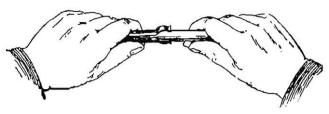


Fig. 3.

Having brought the Tube in a straight line with the Clip, push the Tube in a little to make it firm.



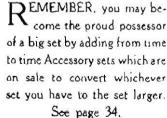
Fig. 2.

This will show how to hold a Tube to fix it into a Clip. Just hold the Clip firmly and place the end of the Tube near the middle of the jaws, then press the Tube into the Clip, at the same time bring the Tube in a straight line with the Clip by raising the right hand a little.



Fig. 6.

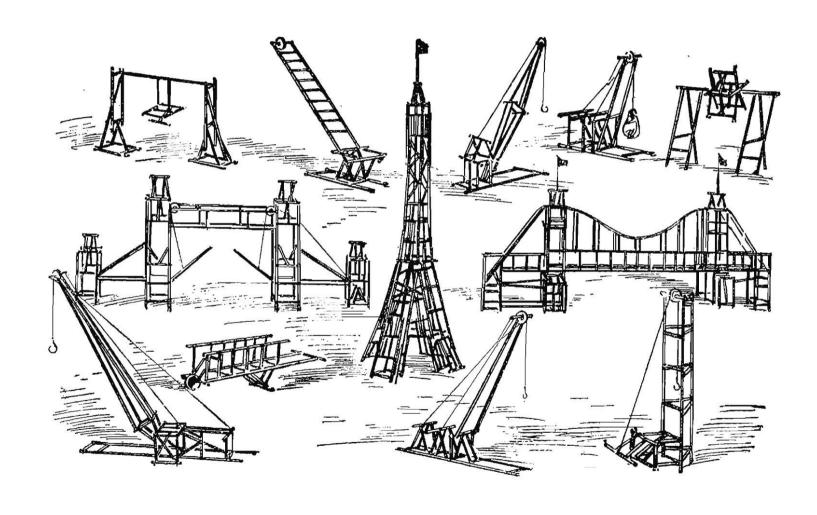
Twist the Tube right round and you will find that the one Tube will enter the other quite easily and remain firm, as in Fig. 7.



larger. Fig. 7.

Quite a firm joint will result if you follow out the simple instructions.

YOU CAN CONVERT YOUR SET TO THE NEXT SIZE LARGER

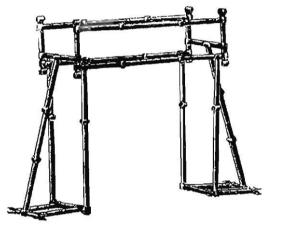


BY ADDING AN ACCESSORY SET, SEE PAGE 34.





Model No. 2.



SWING.

Height	 		1 ft.
Width		W41 - 1000	10 in.

Parts Required.

29	 4 in. Clips
10	 6§ in. Tubes.
ł	 1 in. Wheel.
Ī	 Cord.

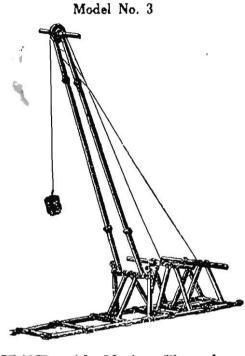
SINGLE SPAN BRIDGE.

Height	• •	 lít.
Length of Base		 1 ft. 6 in.

Parts Required.

29		4 in.	Clips.
10	2 0	65 in.	Tubes
1		4 in.	Tube.

To fix cord on Tube to prevent slipping when winding, tie the one end of the cord on to a piece of match stick and then slide it along the slot in tube and give the Tube one or two turns, the cord will wind round and be secure.



CRANE, with Moving Jib and Winding Motion

Length of Sib ... I ft. 10 in.

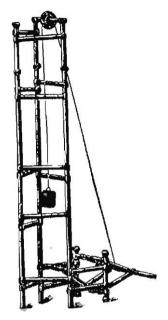
Length of Base ... I ft. 6 in.

Parts Required.

29	 4 in. Clips.
10	 68 in. Tubes.
1	 4 in. Tube
1	 1} in. Wheel
I	 Hook.
- 1	 Cord.

See note how to fix cord.

Model No. 4.



GOODS ELEVATOR, with Lifting Motion.

Height Ift. 10 m

Parts Required.

29 .. 4 in. Clips.

10 .. 64 in. Tubes.

1 .. 4 in. Tube.

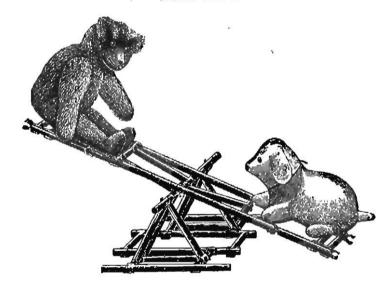
1 .. If in. Wheel.

I .. Cord.

To fix cord, see note on page 7.



Model No. 5.



SEE-SAW.

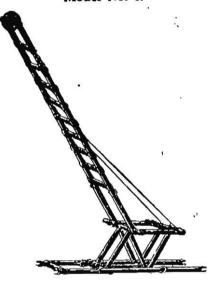
Length 1 ft. 6 in

Parts Required.

28 .. 4 in. Clips.

10 .. 68 in Tubes.

Model No. 6.



FIRE ESCAPE.

Height of Ladder ... 2 ft.

Parts Required.

29 .. 4 in. Clips.

10 .. 68 in. Tubes

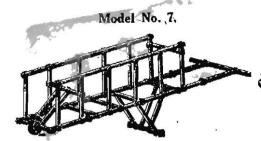
1 .. 4 in. Tube

I .. If in. Wheel.

.. Hook.

Cord.

To fix cord, see note on page 7.



Mijotilko

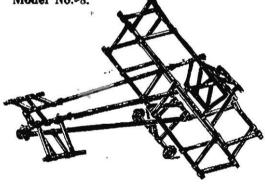
LUGGAGE BARROW.

Length 1 ft. 6 in.

Parts Required.

29 . . 4 in. Clips.
9 . . 6§ in. Tubes.
1 . . 4 in. Tube.
1 . . 1½ in. Wheel.

Model No.-8.



BI-PLANE.

Parts Required.

50 . 4 in. Clips.

8 . 10 in. Tubes.

9 . 68 in. Tubes.

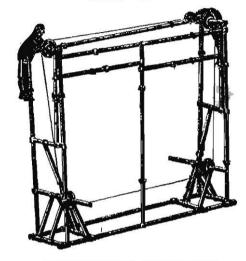
3 . 4 in. Tubes.

4 . 2 in. Tubes.

3 . 1½ in. Wheels.

4 . Lip in. Wheels.

Model No. 9.



PERFORMING GYMNASTS

Parts Required.

38 .. 4 in. Clips.

8 .. 10 in. Tubes.

6 .. 6% in. Tubes.

4 .. 4 in. Tubes.

4 .. 2 in. Tubes.

4 .. 13 in. Wheels.

I .. Cord.

Cut jointed figure from cardboard and attach to light. wheel, pass cord over this wheel and over the wheel at base.

Model No. 10.



TRAMWAY REPAIR WAGON.

Purls Required.

51 .. 4 in. Clips.

8 ... 10 in. Tubes.

9 .. 6% in. Tubes.

4 .. 4 in. Tubes.

5 .. It in Wheels



Model No. 11.



CRANE ON WHEELS.

Parts Required.

38 .. 4 in. Clips.

.. 10 in. Tubes.

.. 65 in. Tubes. .. 2 in. Tubes.

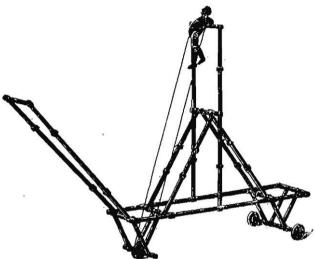
.. 12 in. Wheels. Cord.

Hook.

Hub Caps.

To fix cord, see note on page 7.





HORIZONTAL BAR PERFORMER. WORKING MODEL.

Parts Required.

27 ... 4 in. Clips.

.. 10 in. Tubes.

.. 68 in. Tubes.

.. 4 in. Tubes.

17 in. Wheels.

Cord.

To fix jointed figure, see Model No. 9. The figure will work by pulling the model along.

41 .. 4 in Clips.

8 .. 10 in. Tubes.

CHAIR.

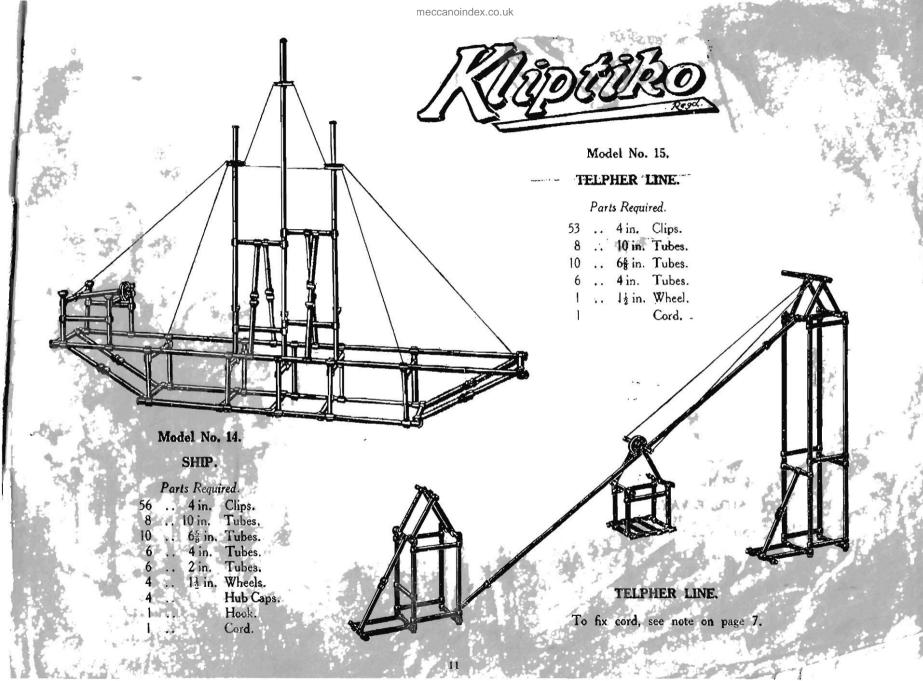
Parts Required.

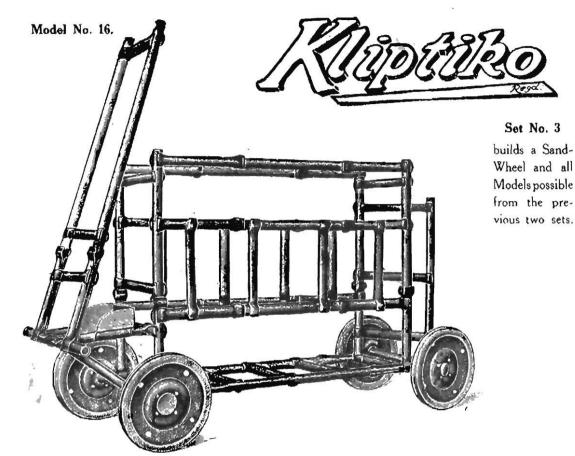
Model No. 13.

.. 68 in. Tubes. .. 4 in. Tubes.

6 .. 2 in, Tubes.

YOU MAY WIN A PRIZE BY BUILDING A NEW MODEL.





SAND-WHEEL.

This working model, which is quite simple to build, will give endless pleasure. It only requires dry sand to be put into the Hopper, which trickles into the buckets and turns the Wheel

Model No. 17.

A Model for the Holidays, too.

Model No. 16. FURNITURE VAN.

Parts Required

47	 4 in.	Clips.
8	 10 in.	Tubes.

10 .. 65 in. Tubes.

4 .. 37 in. Wheels.

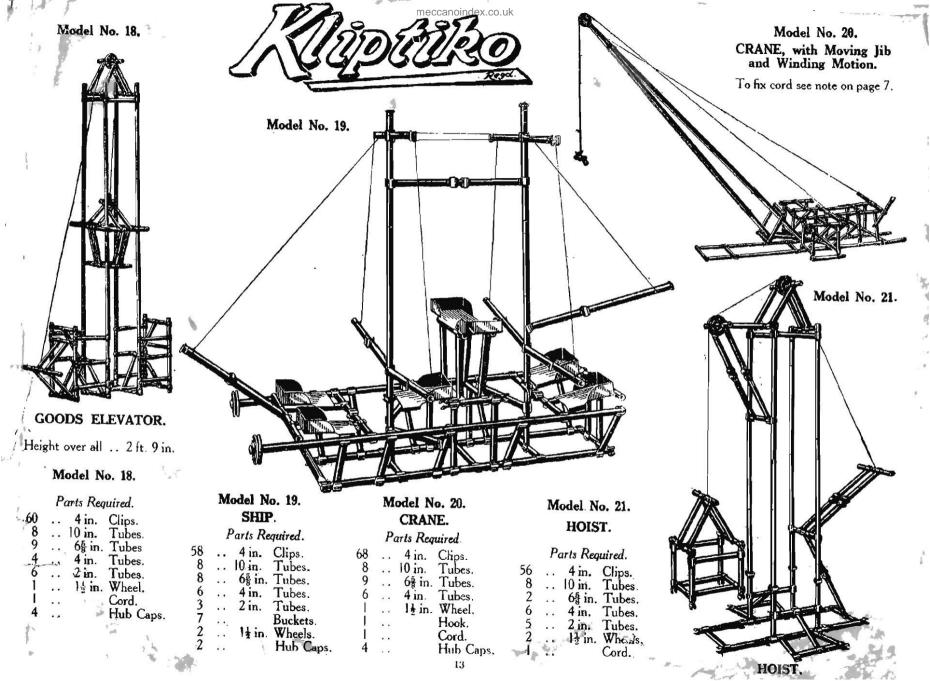
Bucket.

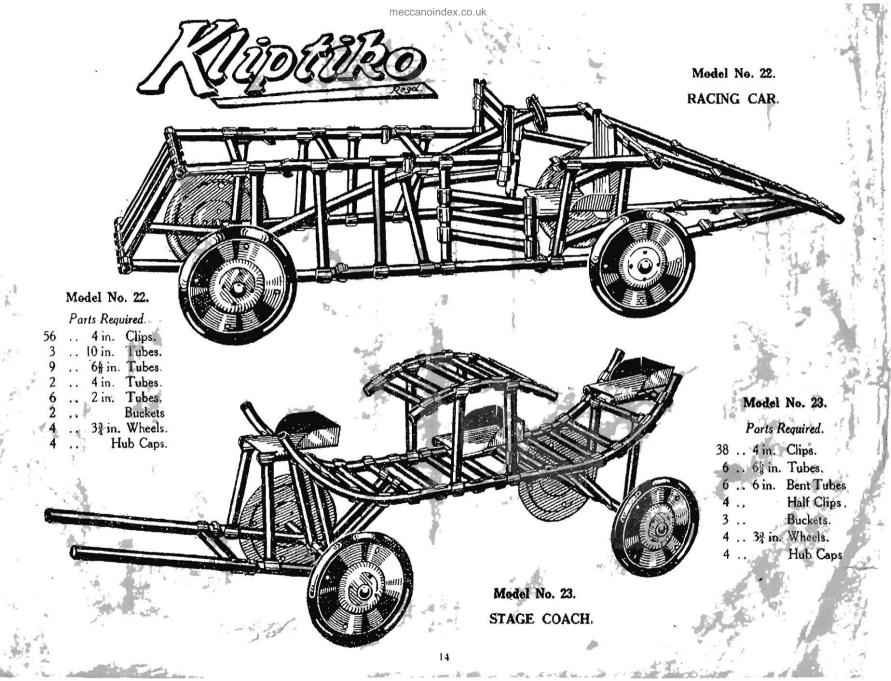
4 .. Hub Caps.

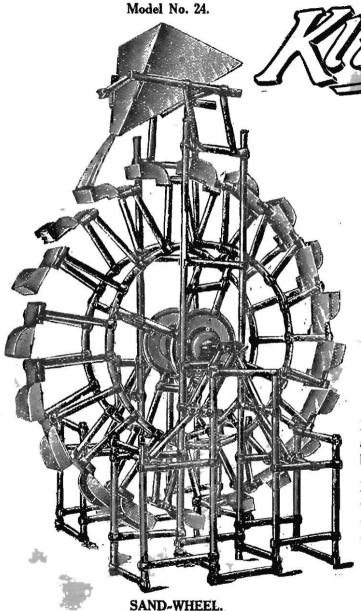
Model No. 17. SAND-WHEEL.

Parts Required.

59		4 in.	Clips.
4	4004	10 in.	Tubes
9		6% in.	Tubes.
2		33 in.	Wheels.
12		9750	Buckets.
1			Hopper.
4		4 in.	Tubes.
3		2 in.	Tubes.
4			Hub Caps.







Model No. 24.

SAND-WHEEL.

Parts Required.

118 .. 4 in. Clips.

8 .. 10 in. Tubes.

.. 65 in. Tubes.

.. 2 in. Tubes.

.. 6 in. Bent Tubes

.. 43 in. Wheels.

.. 1½ in. Wheel.

Buckets.

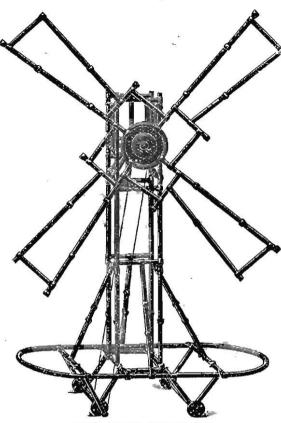
Hopper.

Screws and Nuts.

Hub Caps.

Dry sand put into the Hopper and allowed to trickle through into the buckets turns the wheel.

By attaching a small pulley wheel to the Hub with the screws and nuts in the set, other working models may be driven.



Model No. 25.

WORKING WINDMILL.

Parts Required.

.. 4 in. Clips. .. 34 in. Wheel. .. 10 in. Tubes.

5 ... 1½ in. Wheels.
2 ... Screws and Nuts. .. 6½ in. Tubes.

4 in. Tubes. .. Cord.

.. 6 in. Bent Tubes

Bolt together with the two screws and nuts a 12 in. wheel to the 33 in. wheel and pass cord over to propel sails.

See Model No. 40 for different view of sails.



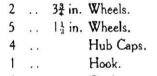
Model No. 26. AMBULANCE.

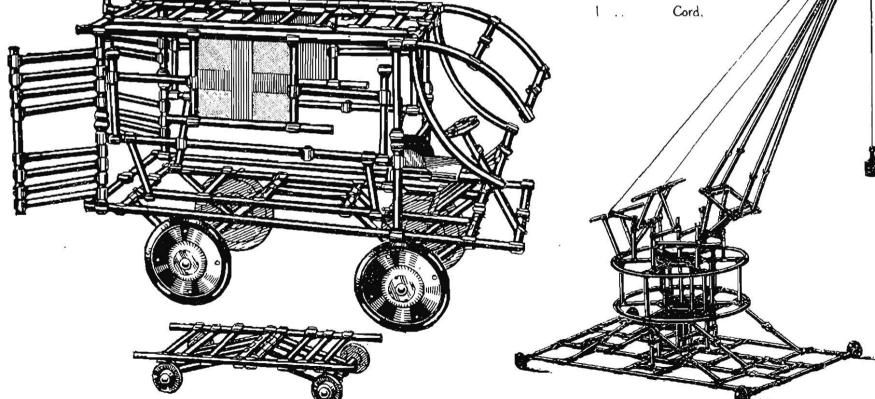
Parts Required.

118	 4 in.	Clips.			Tubes.	5	 It in. Wheels.
		Tubes.	4	 6 in.	Bent Tubes	4	 Hub Caps.
12	 68 in.	Tubes.	4		Half Clips	1	 Bucket.
2	 4 in	Tubes.	4	 3) in.	Wheels.		

Model No. 27.

Paris Required. 118 .. 4 m. Clips. 11 .. 10 in. Tubes 16 .. 68 in. Tubes. 3 .. 4 in. Tubes. 10 .. 2 in. Tubes. 12 .. 6 in. Bent Tubes

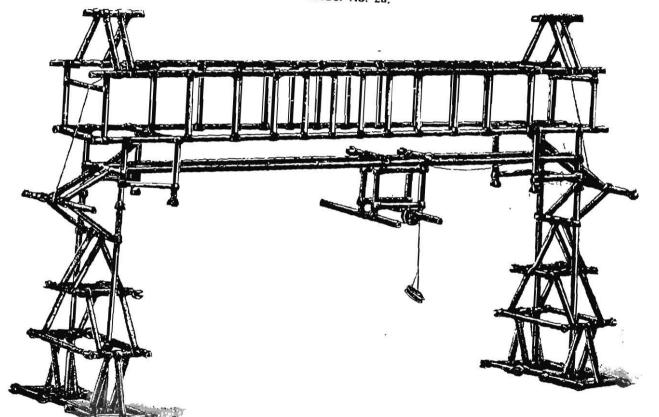




Cut 2 squares of white paper and paint cross on each.



Model No. 28.



Parts Required

137 .. 4 in. Clips.

24 .. 10 in. Tubes.

13 .. 6\(\) in. Tubes. 3 .. 4 in. Tubes.

.. It in. Wheel.

Cord.

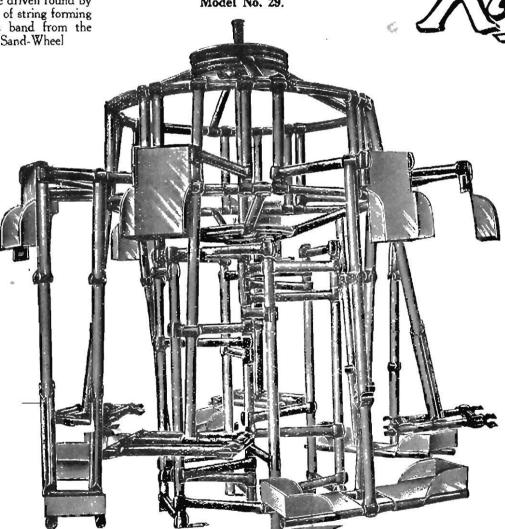
TRAVELLER CRANE.

Maximum Span		ALL: N	CRAN	E.	
Length	8.5	15 V	1.0	v .	2 ft. 10 in.
Level of Track	,- ,	*		****	3 ft. 8 in.
		****		***	1 ft. 2 in.

ROUNDABOUT.

To carry passengers. May be driven round by a piece of string forming endless band from the Sand-Wheel





DON'T FORGET YOUR ACCESSORY SET.

If you have a No. 3 set you can build all Models illustrated up to, and including, No. 29, by adding a No. 3a Accessory Set.

See page 34

ROUNDABOUT.

Parts Required.

109 .. 4 in. Clips.

.. 10 in. Tubes.

.. 61 in. Tubes.

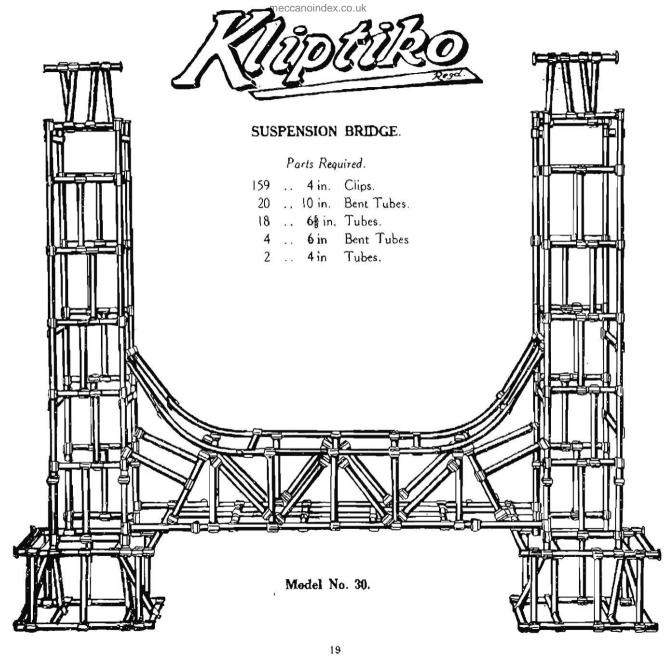
.. 6 in. Bent Tubes

34 in. Wheels

Buckets

Send us a photograph of any new Model you build, giving us a list of parts used in construction. We give prizes for those accepted.

If you try you may win a prize and see your Model illustrated in later issues.





Parts Required.

103 .. 4 in. Clips.

17 . 10 in. Tubes.

10 .. 6% in Tubes.

9 .. 2 m. Tubes.

12 .. 10 in. Bent Tubes.

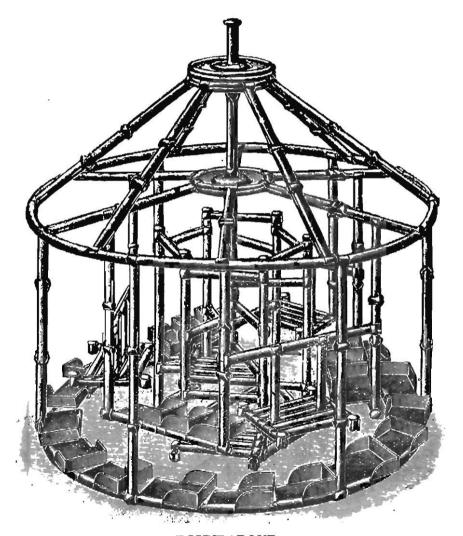
27 .. Buckets

19 .. Hub Caps.

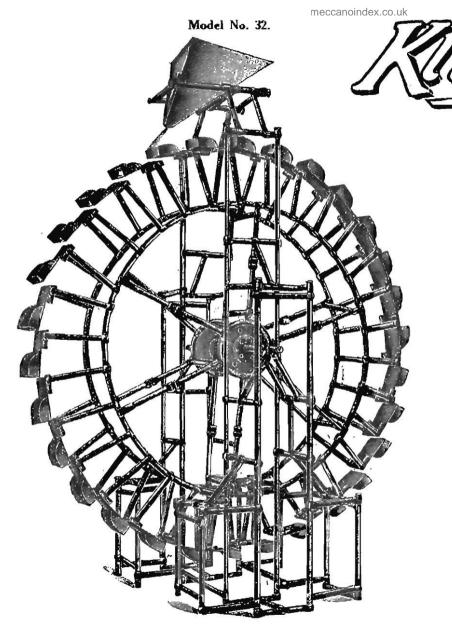
3 .. 33 in. Wheels.

An improved model giving plenty of room for passengers. May be driven by an endless band from the Sand-Wheel.

Model No. 31.



ROUNDABOUT.



LARGE SAND-WHEEL.

Diameter 2 ft. 4 in
Total Height 3 ft.

Parts Required.

172 ... 4 in. Clips.

20 .. 10 in. Tubes.

. 11 .. 6% in. Tubes.

16 .. 2 in. Tubes.

12 .. 10 in. Bent Tubes.

2 .. 33 in. Wheels.

1 .. It in. Wheel.

30 .. Buckets.

Hopper.

22 .. Hub Caps.

Screws and Nuts.

It only requires dry sand to be put into the Hopper to drive this wheel.

By attaching a small pulley wheel to the Hub with the screws and nuts in the set, other working models may be driven.

SAND-WHEEL MODELS PROVIDE GREAT FUN AT THE SEASIDE AS WELL AS AT HOME.



Model No. 33.

Parts Required.

144 .. 4 in. Clips.

4 .. 2 in. Clips.

24 .. 10 in. Tubes.

13 .. 6\frac{1}{8} in. Tubes.

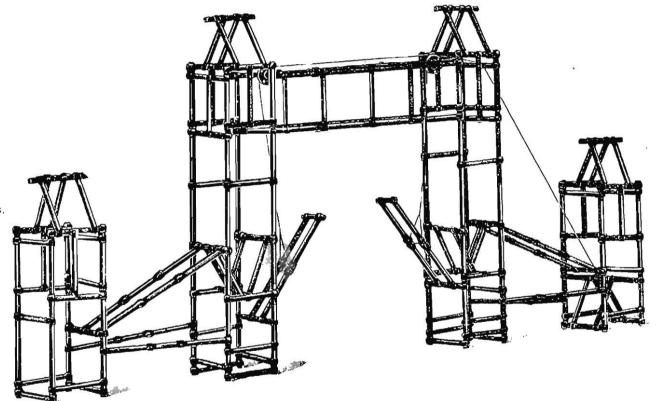
8 .. 4 in. Tubes.

6 .. 2 in. Tubes.

2 .. 13 in. Wheels.

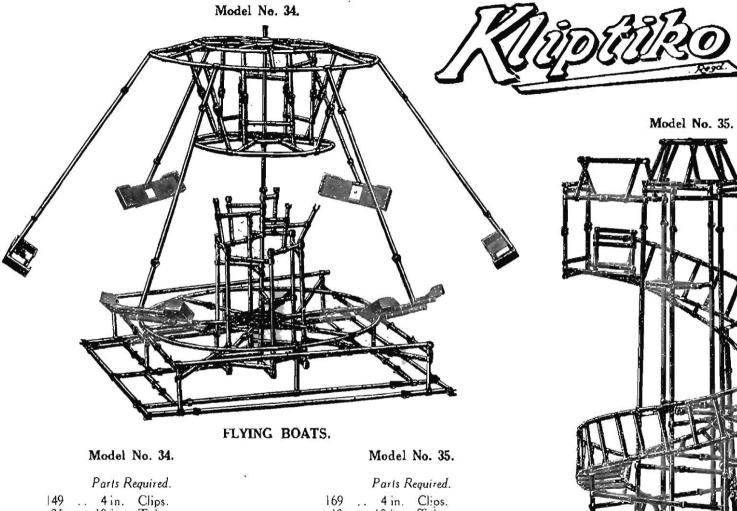
1 .. Cord.

To fix cord see note on page 7.



TOWER BRIDGE, with Automatic Elevating Roadway.

Length	0.0			4 ft.
Height of Towers		8	 	2 ft.
Level of Footway		 	 	1 ft. 3 in.



		Paris R	eguired.
149		4 in.	Clips.
31		10 in.	Tubes.
18		65 in.	Tubes.
14		4 in.	Tubes.
12		6 in.	Bent Tubes.
12		10 in.	Bent Tubes.
3	٠.	3 3 in.	Wheels.
}		l∮in.	Wheel.
12			Buckets.

		Paris R	equired.
169		4 in.	Clips.
13			Tubes.
15			Tubes.
12			Tubes.
18		V 20 10 10 10 10 10 10 10 10 10 10 10 10 10	Tubes.
12			Bent Tubes.
12	* 6	200020	Bent Tubes.
I		$3\frac{2}{4}$ in.	Wheel.

SKELTER.

KUDETRO

SUSPENSION BRIDGE.

Length 5 ft. 6 in. Height of Main Towers .. I ft. 1 in. Level of Track ... $7\frac{1}{2}$ in.

Parts Required.

215 .. 4 in. Clips.

4 .. 2 in. Clips.

44 .. 10 in. Tubes.

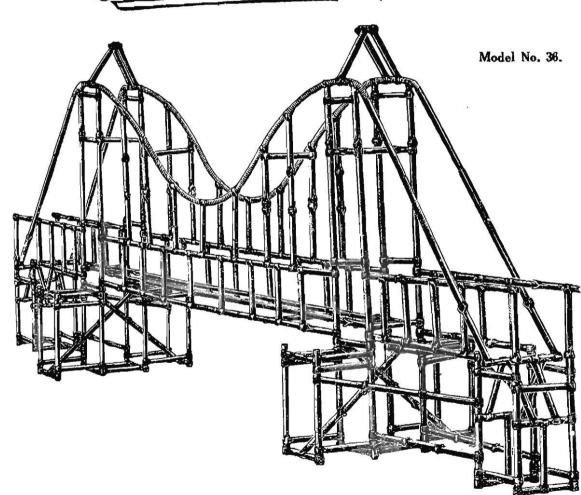
24 .. 68 in. Tubes.

18 .. 4 in. Tubes.

6 .. 2 in. Tubes.

2 .. 4 ft. Cables.

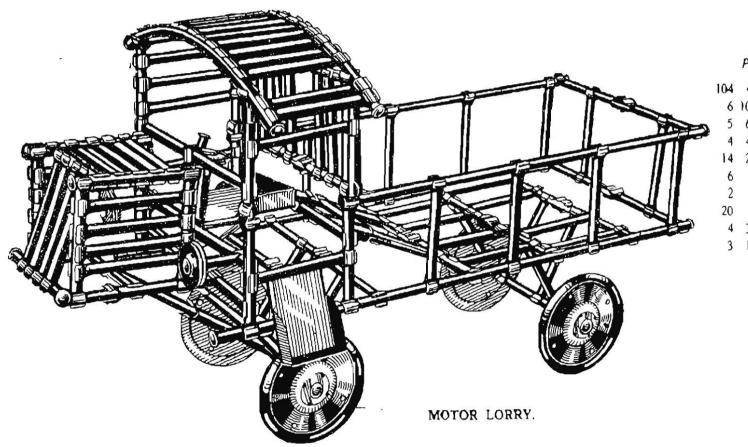
The Cables supplied will form any curve, or may be cut into shorter lengths by opening the coils and filing through with a three-square file.



The Bridge will take a railway track and carry a locomotive and train in perfect safety.



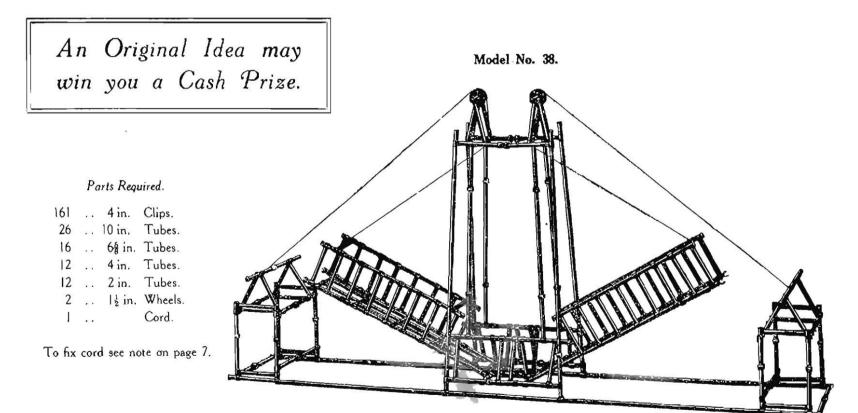
Model No. 37.



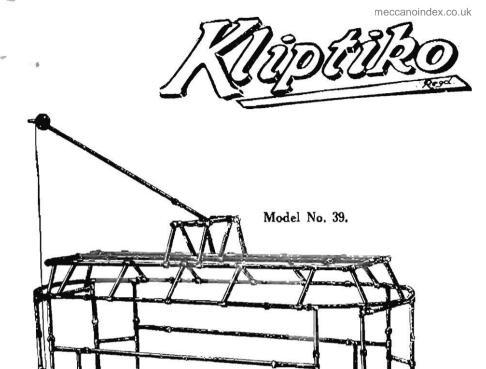
Parts Required.

- 104 4 in. Clips.
- 6 10 in. Tubes.
- 5 6% in Tubes.
- 4 4 in. Tubes.
- 14 2 in. Tubes.
- 6 Half Clips.
- 2 Buckets.
- 20 Hub Caps.
- 4 3% in. Wheels.
- 3 15 in. Wheels.





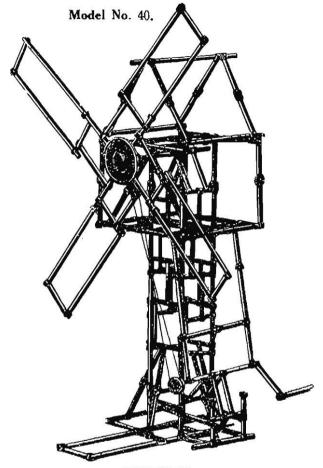
DOUBLE ELEVATING BRIDGE.



TRAMCAR

Parts Required.

			i uris requireu.		
150	 4 in.	Clips.	12	 6 in.	Bent Tubes.
		Tubes.			Wheels.
		Tubes.	1	 l½ in.	Wheel.
		Tubes.	12		Buckets.
13	 2 in.	Tubes.	j .		Cord.

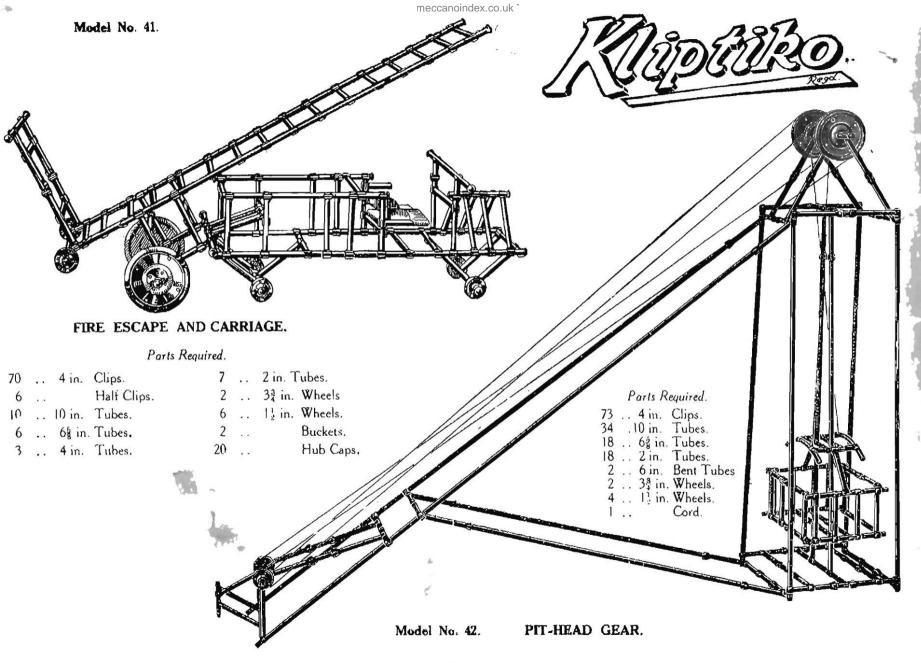


WINDMILL.

Parts Required.

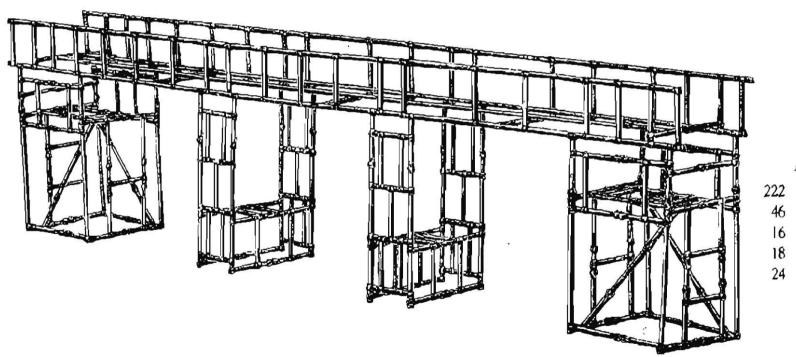
139	 4 in.	Clips.	3	 1 in.	Wheels.
24	 10 in.	Tubes.	2		Hooks.
8	 68 in.	Tubes.	1		Cord.
	4 in.		2		Nuts and Screws.
12	 2 in.	Tubes.	1		Hub Cap.
I	 33 in.	Wheel.			660 0.00035

To fix the 1½ in. wheel on to the Tube, pass hook through one of the holes in wheel and through slot in Tube fix the 4 in. clip on the other end of Tube the same way, only place the large end of hook in slot in Tube, and the small end in jaws of clip before pushing clip on.





Model No. 43.



Parts Required.

222 .. 4 in. Clips.

46 .. 10 in. Tubes

16 .. 6 in Tubes.

18 .. 4 in. Tubes.

24 .. 2 in. Tubes

HIGH LEVEL RAILWAY BRIDGE.

 Length end to end
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Model No. 44.

150 ... 4 in. Clips.

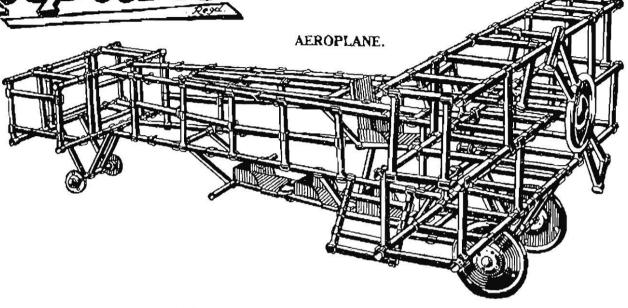
2 .. Half Clips.

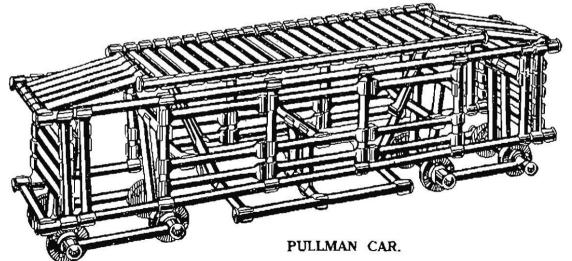
20 .. 6§ in. Tubes.

18 .. 10 in. Tubes.

5 .. Buckets.3 .. 3\frac{3}{4} in. Wheels.

3 .. 1½ in. Wheels.





Model No. 45. PULLMAN CAR.

Parts Required.

96 .. 4 in. Clips.

6 .. Half Clips.

8 .. 10 in. Tubes.

2 .. 6\) in. Tubes.

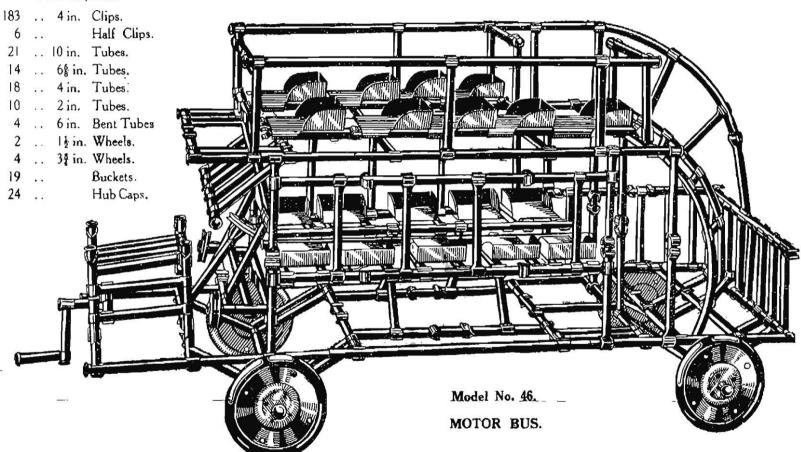
6 .. 4 in. Tubes.

20 .. Hub Caps.

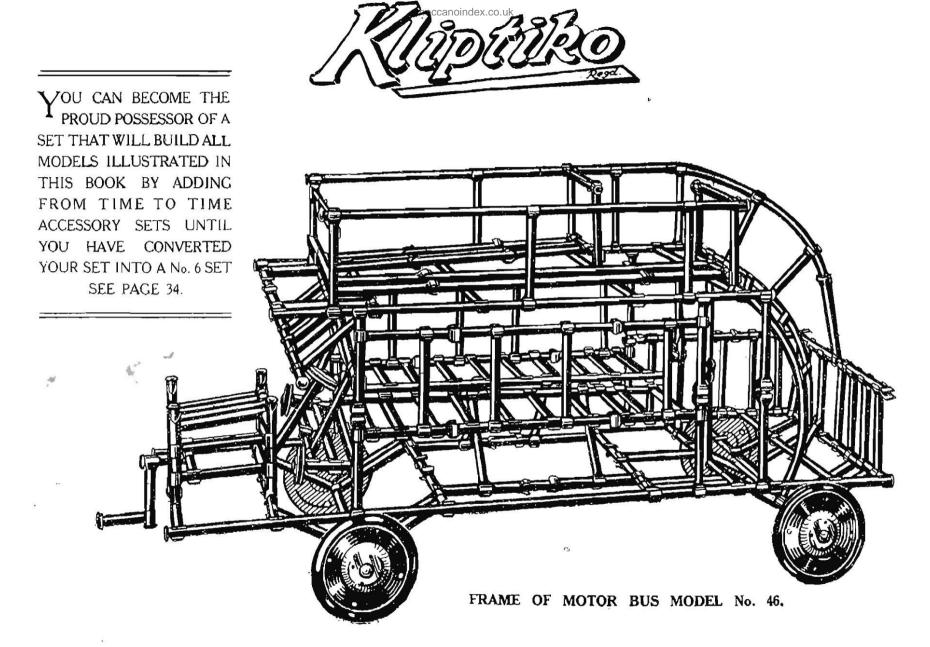
8 .. 11 in. Wheels.



Parts Required.



See illustration on next page for frame of the above model.



Model No. 47.

TOWER.

5 ft. high.

Parts Required.

210 .. 4 in. Clips.

44 .. 10 in. Tubes.

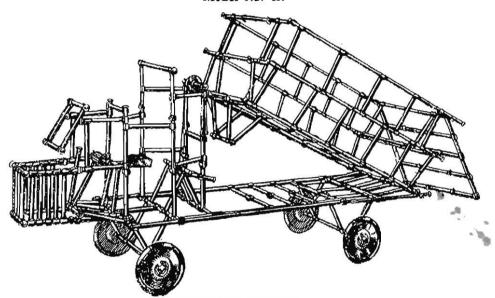
14 .. 68 in. Tubes.

9 .. 4 in. Tubes.

5 .. 2 in. Tubes.



Model No. 48.



MOTOR TIP WAGON.

Parts Required.

196		4 in.	Clips.	8	 2 in.	Tubes.
6			Half Clips.	2		Buckets.
39		10 in.	Tubes.	3	 1 in.	Wheels.
24		66 in.	Tubes.	3	 33 in.	Wheels.
11	, .	4 in.	Tubes.	21		Hub Caps.



KLIPTIKO parts are sold in Outfits numbered 1 to 6, varying in size and quantity. For contents of sets see page 35. Each set may be converted into the next size larger by the purchase of an Accessory Set (see below), a convenience appreciated from time to time, as if a No. 3 is the first set bought it may be converted into a No. 4 by adding to it a No. 3A; a No. 4A would then convert it into a No. 5, and so on, until the boy becomes the proud possessor of a No. 6 Set that will build all the models illustrated.

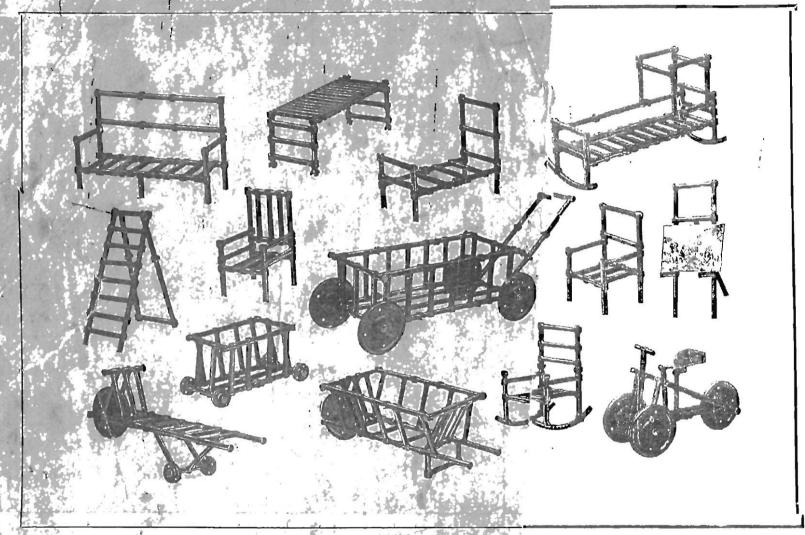
Accessory Set Prices.

No.	1A	Converting	No.	1	into	No.	2	-	Salar)	3/-
,,	2A	14.8 m	,,	2	4	,,	3		K.	3/-
,,	3A	* 7s. "	,,,	3	,,,	, ,	4.	-	# 1 ** A	5/6
~ 17	.4A.	• ••	,, ·	4.		"	5 🥷			5/6
,,	5A	15	,,	5	19 3	,,	6	-	-	8/-

CONTENTS OF SETS.

					2007				u k				-	1795.3	
		ļ		K	LIPTI	KO SET	S.		ACCESSORY SETS.						
		No.	1	2 1	3	4	5	6	0	lA	2A	3A	4A	5A	
No. 1. 4 in.	Clips		29	56	68	118	172	222	6	27	12	50	54	50	
No 2	Half Clips					4	4	6	4			4		2 %	
No. 3. 2 in.	Tubes	***	<u> </u>	6	6	10	16	24	2	6		4	6	8	
No. 4. 4 in.	Tubes		4	6	6	6	12	18	2	2			6.	6	
No 5. 6§ in.	Tubes	j	10	10	10	20	20	24	2		1	10		4	
No. 6. 10 in.	Tubes	l		8	8	12	24	46		8		4	12	27.	
No. 7. 6 in.	Bent Tubes	·-		· — -		12	12	12			~	12		汉平	
No. 8. 10 in.	Bent Tubes	i- ·-∤			=====		12	12	1				12/		
No. 9. 1½ in.	Wheels		4 :	5	5	5	5	8	4	1		2	1	3.	
No. 10. 32 in.	Wheels				4	. 4	4	4			4				
No 11.	Buckets		,		12	20	30	32			12	8	10	2	
No. 12.	Hopper	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ı	, 1	1								
No. 13.	Hooks		1	11	L		ı	4		1	-	084110000000000000000000000000000000000		. 3	
No. 16.	Hub Caps		4 1	44	4	4	24	24	4 ,	; ———			20		
	Screws and N	uts	· · · · · · · · · · · · · · · · · · ·	· <u>·</u>		2	2	2				2			
	Cord	••;	i i	1	I	1	1	. 1			2. (v. lag				
	Cables, 4 ft.	٠.,	7			1	â	2		,				2.	
Total number	of pieces		53	97	126	220	340	442	24	44	29	94	120	102	

A GROUP OF SMALL MODELS MADE WITH KLIPTIKO.



-WILLIAM BAILEY (Birmingham), Ltd., BIRMINGHAM, Sole Manufacturers