HELICOPTER

BUILT BY		DATE	
Part — Quan.	Part — Quan.	Part — Quan.	Part — Quan.
3 — 1	25-A — 2	S-51 — 65	G — 4
4 — 5	25-B — 1	S-52 — 4	BT — 1
7 — 2	28 — 4	74 — 1	S-62 — 1
8 — 2	30 — 2	75 — 1	N-21 — 69
15 — 4	31 — 4	76 — 1	BL — 4
19 — 6	38 — 1	69 — 1	A-72 — 2
20 — 1	49 — 2	P-37 — 2	70-E — 1
21 — 4	125 — 1	CH — 6	22 — 2
23 — 8			

THE A. C. GILBERT CO., New Haven, Conn.

NOTE:

The first step in constructing this action model is to build the lower section as pictured in Fig. 2. The bottom of this section uses a (30) 4″ curved plate fastened to the (15) 2″ x 4″ flat plate on each side (see fig. 1). One (25A) clear dome is used at each end, the rear one screwed through the center hole to the (30) 4″ curved plate. The front dome is held in place by the (70-E) 7″ axle with (P-37) collars. When installing the domes be sure that the (31) cones fit under the rim of the dome.

Connect the two lead wires to the motor and install the sprockets (74) and (75) and drive chain. To establish the correct length of chain see Separate Parts Sheet.

Next, build the top section (Fig. 3) and slip the (25-B) yellow dome in place so that the (20) windshield fits under the rim.

Now lower the top section over the lower unit so that the (70-E) 7″ axle goes through the (25-B) yellow dome and the corresponding hole in the (30) 4″ curved plate. Squeeze in the sides of the bottom so that the (8) 4″ angle girders on the top section snap over the edges and hold the two sections together.

Referring to Fig. 1, make and install the rotating vanes. Connect the two lead wires from the motor to your Remote Control Battery Case. By switching to forward, and reverse, the vanes will rotate in either direction.

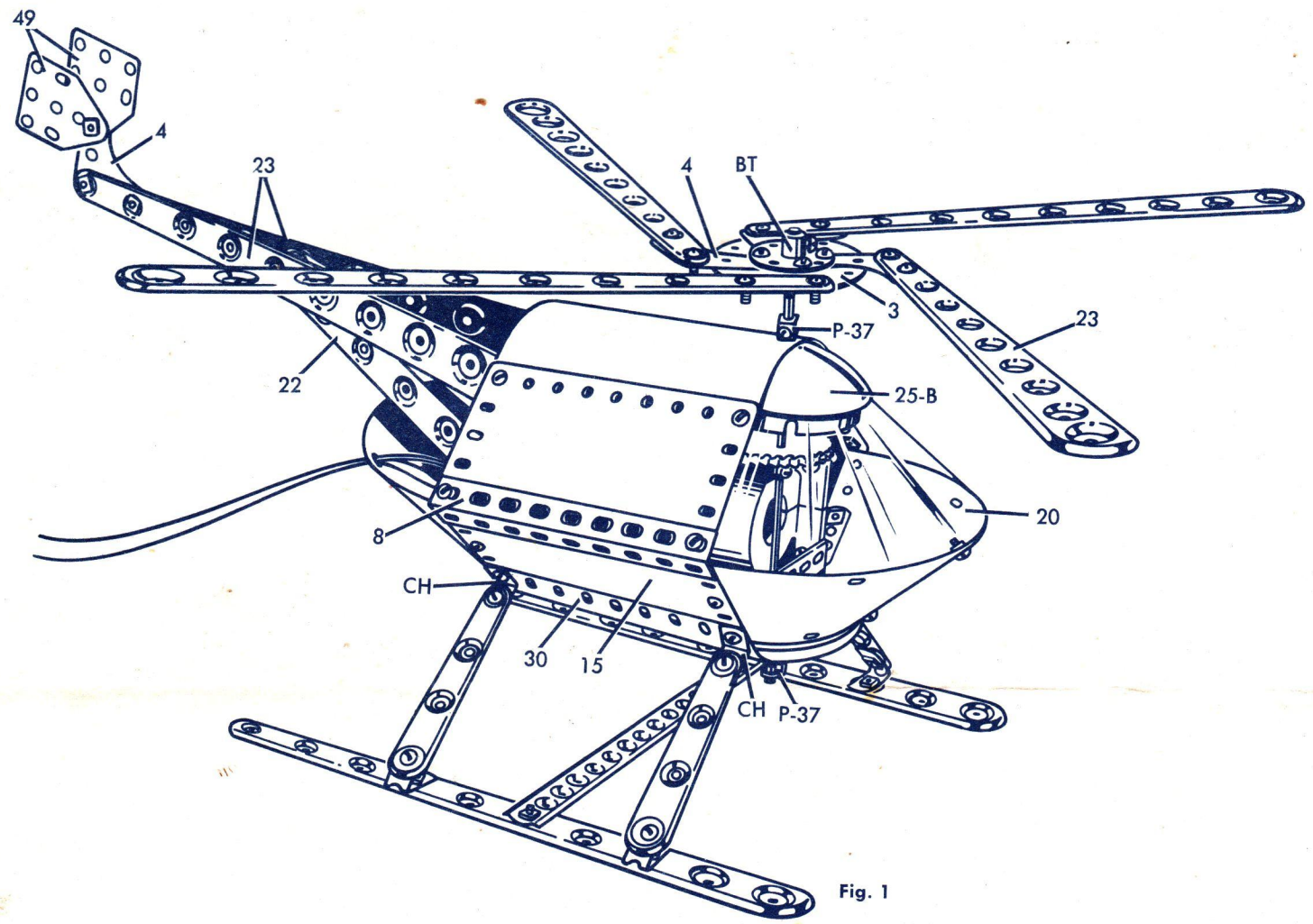


Fig. 1

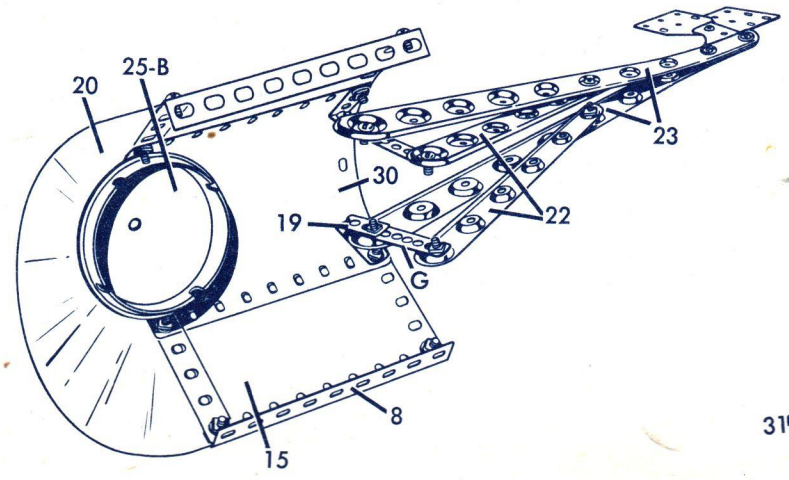


Fig. 3

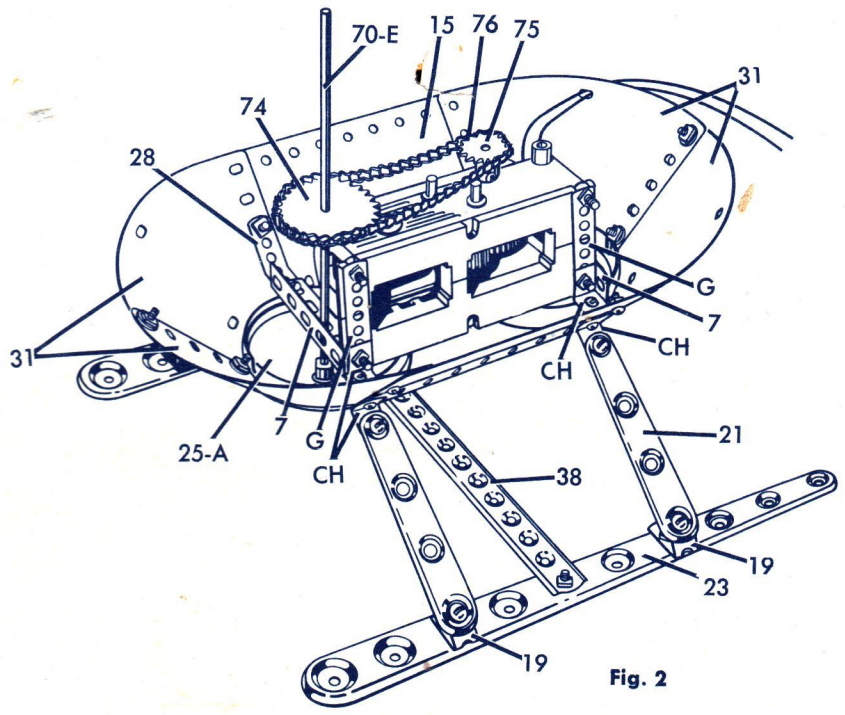
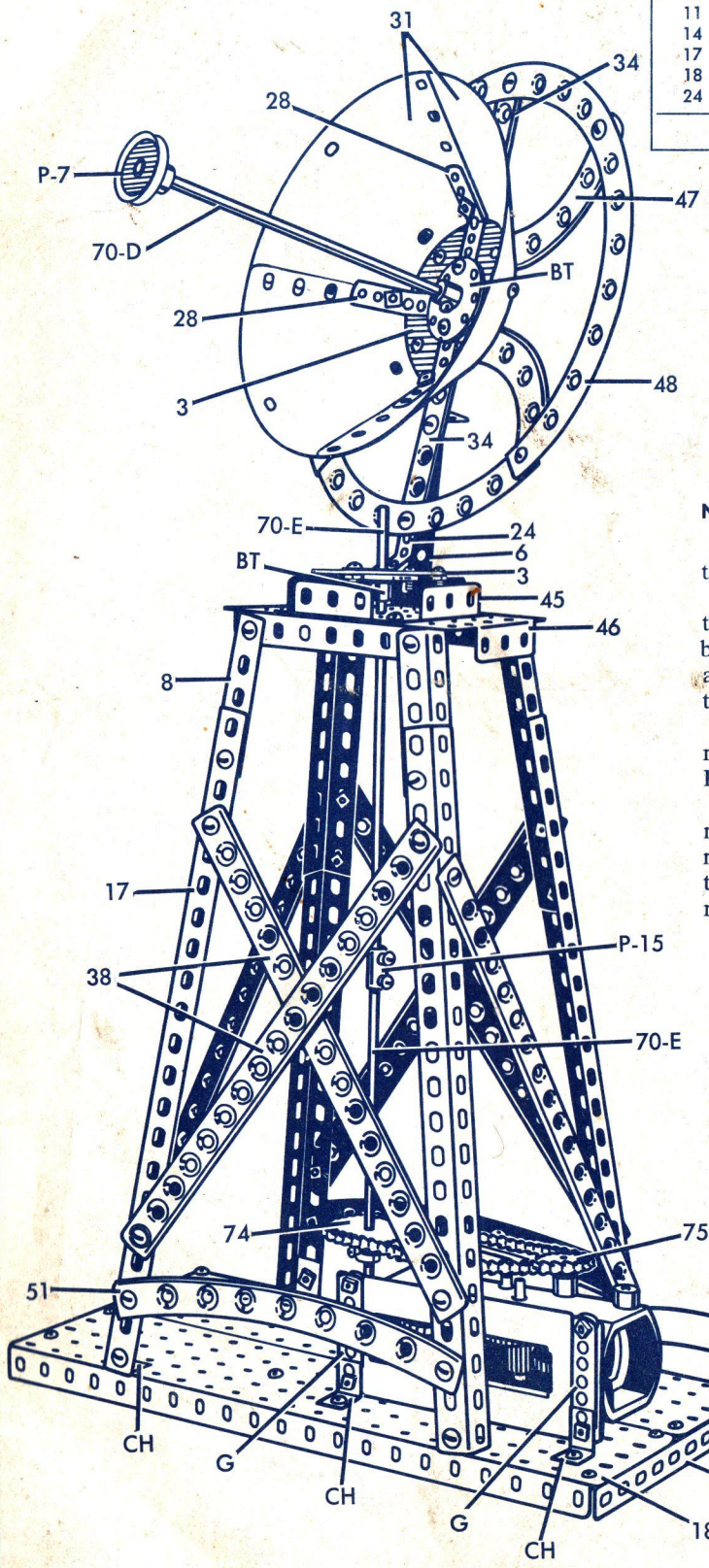


Fig. 2

RADAR SCANNER

BUILT BY		DATE	
Part — Quan.	Part — Quan.	Part — Quan.	Part — Quan.
3 — 2	28 — 4	74 — 1	P-7 — 1
6 — 1	31 — 6	75 — 1	G — 2
7 — 2	34 — 2	70-D — 1	BT — 2
8 — 2	38 — 6	76 — 1	N-21 — 90
11 — 2	47 — 4	69 — 1	BL — 4
14 — 1	48 — 4	P-37 — 2	A-72 — 2
17 — 4	51 — 2	P-15 — 1	70-E — 2
18 — 2	S-51 — 86	CH — 6	125 — 1
24 — 1	S-52 — 4		

THE A. C. GILBERT CO., New Haven, Conn.



NOTE:

This is an easy model to build, but the following tips may be helpful.

The lower (70-E) 7″ axle extends through a hole in the (18) 2″ x 10″ base plate. Install a (P-37) collar on the axle above and below the base plate so that the axle will be held in position.

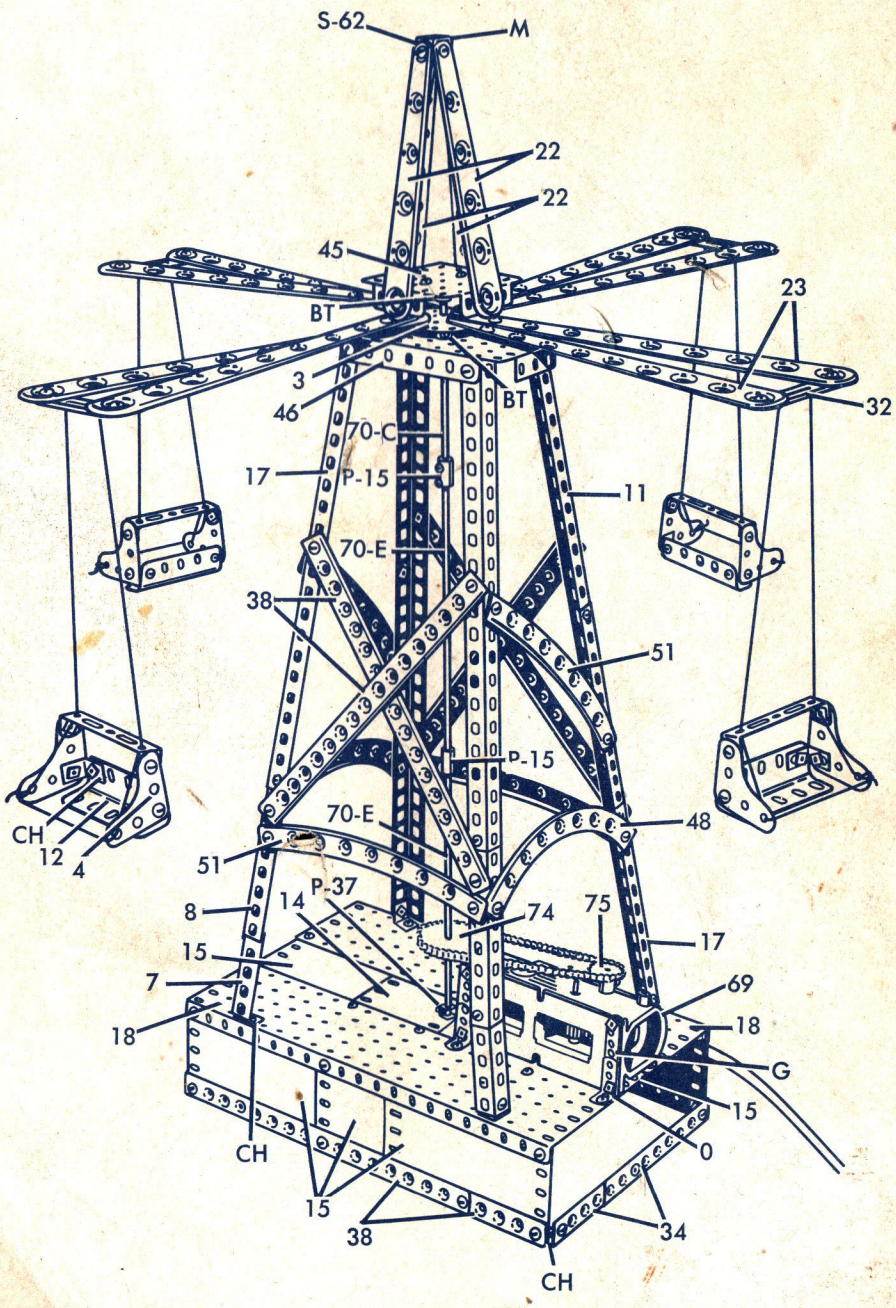
To establish and assemble the correct length of drive chain, see Separate Parts Sheet.

Connect a lead wire from each terminal on the motor to a clip on the Remote Control Battery Case and watch the action as you switch to forward and reverse.

AERIAL RIDE

BUILT BY		DATE	
Part — Quan.	Part — Quan.	Part — Quan.	Part — Quan.
3 — 1	23 — 8	74 — 1	S-62 — 1
4 — 8	32 — 4	75 — 1	N-21 — 110
7 — 2	34 — 4	76 — 1	BL — 4
8 — 2	38 — 8	69 — 1	P-34 — 1
11 — 2	45 — 1	P-37 — 2	A-72 — 2
12 — 4	46 — 1	P-15 — 2	70-C — 1
14 — 1	48 — 2	CH — 12	70-E — 1
15 — 9	57 — 4	G — 2	S-51 — 103
17 — 4	6 — 4	O — 6	S-52 — 4
18 — 2	125 — 1	BT — 2	

THE A. C. GILBERT CO., New Haven, Conn.



LUNAR VEHICLE

BUILT BY		DATE	
Part — Quan.	Part — Quan.	Part — Quan.	Part — Quan.
1 — 4	22 — 2	70-E — 2	G — 4
3 — 2	24 — 2	A-72 — 2	BT — 1
4 — 8	26 — 1	P-34 — 1	M — 6
5 — 2	25-B — 1	76 — 1	N-21 — 100
12 — 4	27 — 1	69 — 1	BL — 4
13 — 2	28 — 12	P-37 — 6	74 — 1
15 — 9	30 — 1	P-15 — 1	75 — 1
17 — 2	31 — 6	CH — 10	S-51 — 93
20 — 1	70-A — 2	P-7 — 3	S-52 — 5
21 — 18	70-B — 2	AQ — 1	125 — 1

THE A. C. GILBERT CO., New Haven, Conn.

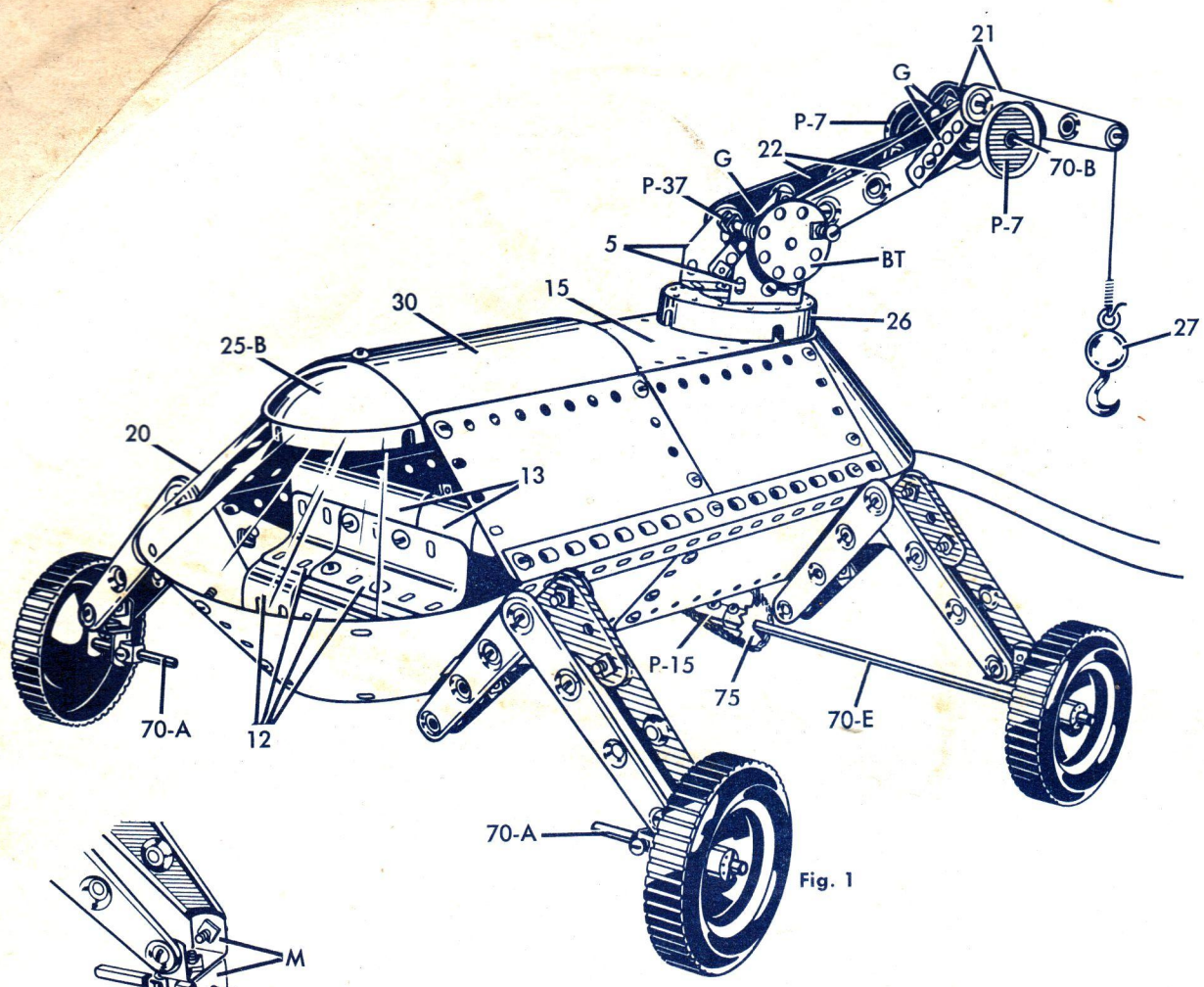


Fig. 1

DETAIL A

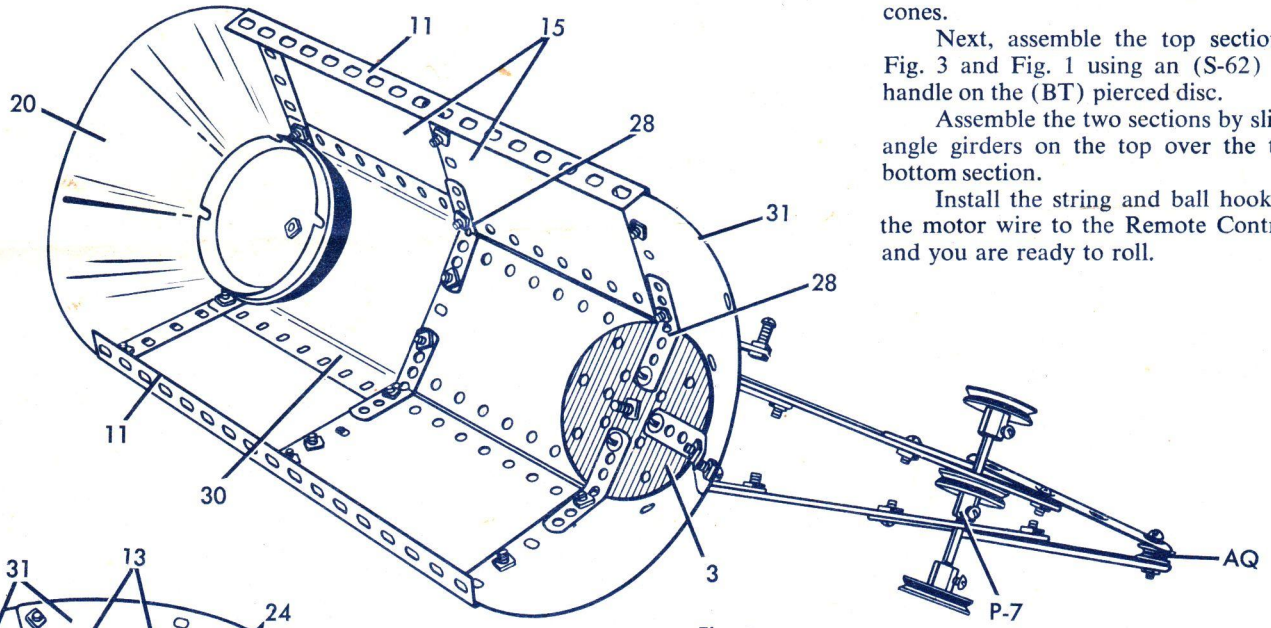


Fig. 3

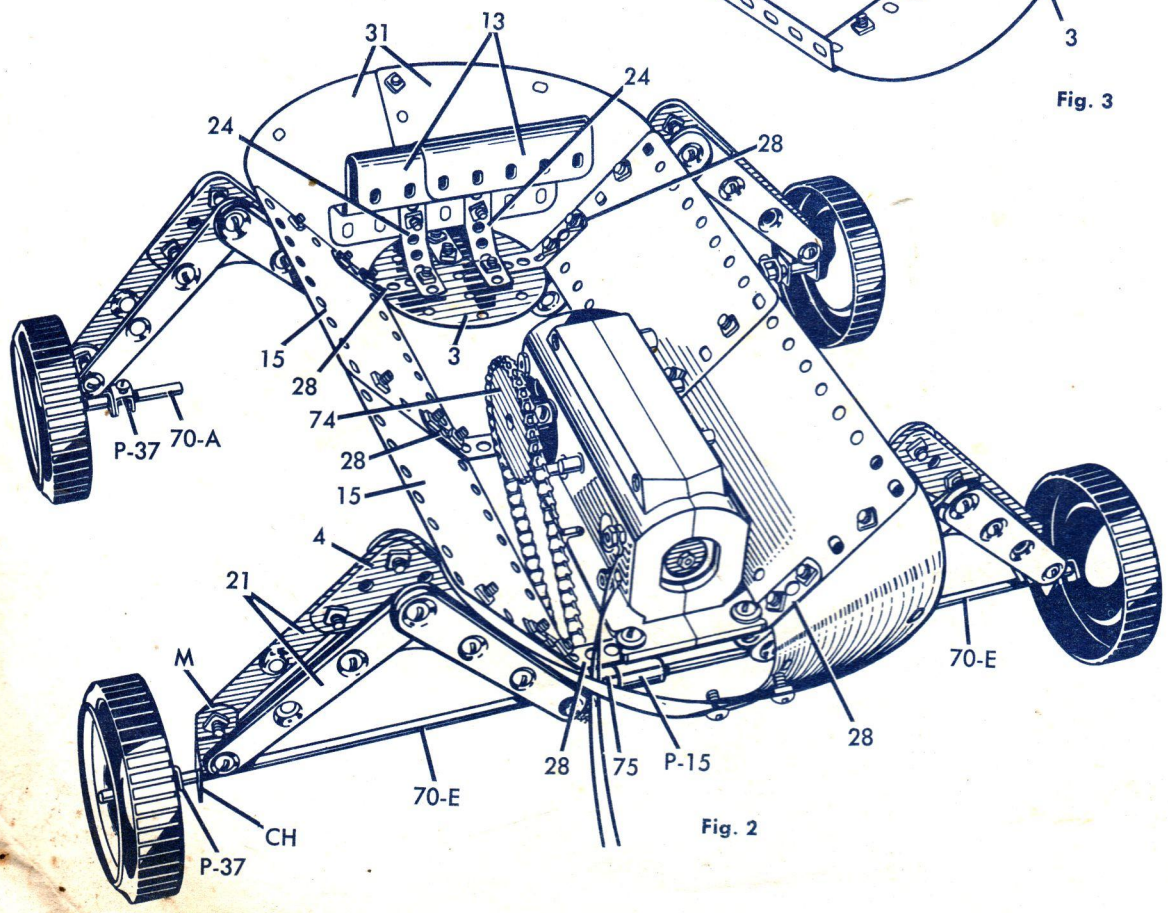
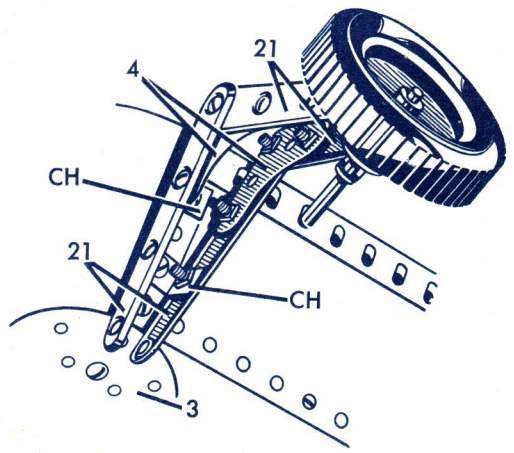


Fig. 2



DETAIL B

NOTE:

This model represents a type of vehicle which may be used when man starts explaining the planets.

When completed as in Fig. 1, the model will travel forward and reverse as you operate the switch on your battery case. The ball hook is lowered and raised by turning the hand crank, and you can swivel the boom to the right or left.

Start building this model by constructing the body section as shown in Fig. 2. You may find it helpful to also refer to Fig. 1. Detail "A" illustrates the method of installing the axle (70-A) on the arms on the front of the vehicle. Detail "B" shows how to mount the arms to the body.

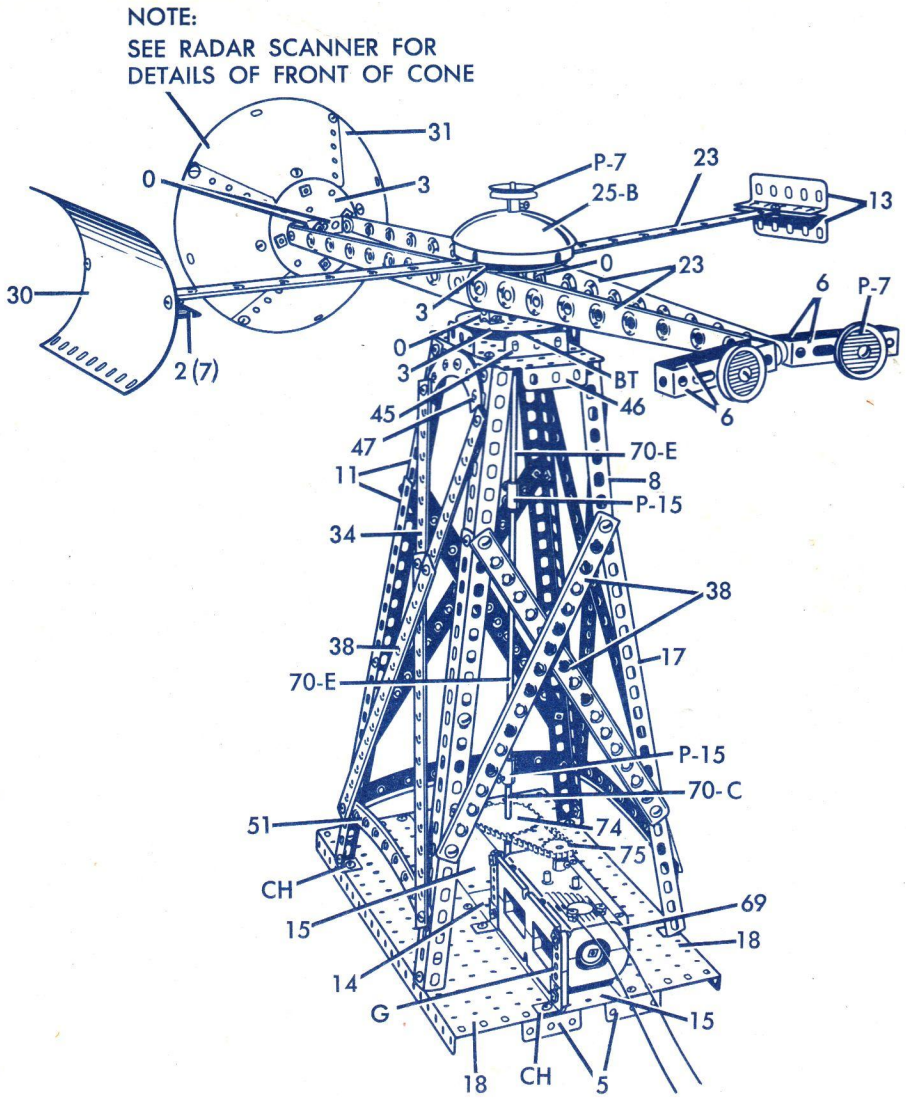
To establish and assemble correct length of chain, see Separate Parts Sheet.

The motor is wired by attaching one of the lead wires to each terminal screw on the side of the motor (Fig. 2). This is done in the following manner: loosen the outer nut, hook the bare wire end over the screw, and retighten the nut so that the wire is held between the two nuts on each terminal screw. Next, string the other ends of the wires through a hole in the (31) 90° cones.

Next, assemble the top section as pictured in Fig. 3 and Fig. 1 using an (S-62) ⅞" screw for a handle on the (BT) pierced disc.

Assemble the two sections by sliding the (11) 8" angle girders on the top over the top edges of the bottom section.

Install the string and ball hook, clip the end of the motor wire to the Remote Control Battery Case, and you are ready to roll.



LUNAR TRANSMITTER

BUILT BY		DATE	
Part — Quan.	Part — Quan.	Part — Quan.	Part — Quan.
3 — 3	23 — 6	125 — 1	O — 6
5 — 4	25-B — 1	74 — 1	BT — 1
6 — 4	28 — 4	75 — 1	S-62 — 2
7 — 2	31 — 4	70-D — 1	N-21 — 84
8 — 2	34 — 4	76 — 1	BL — 4
12 — 2	38 — 8	69 — 1	A-72 — 2
14 — 2	45 — 1	P-37 — 1	70-C — 1
15 — 2	46 — 1	P-15 — 2	70-E — 1
17 — 4	47 — 2	CH — 6	S-51 — 80
18 — 2	51 — 3	P-7 — 3	S-52 — 4
19 — 4	30 — 1	G — 2	32 — 2
22 — 2			

THE A. C. GILBERT CO., New Haven, Conn.

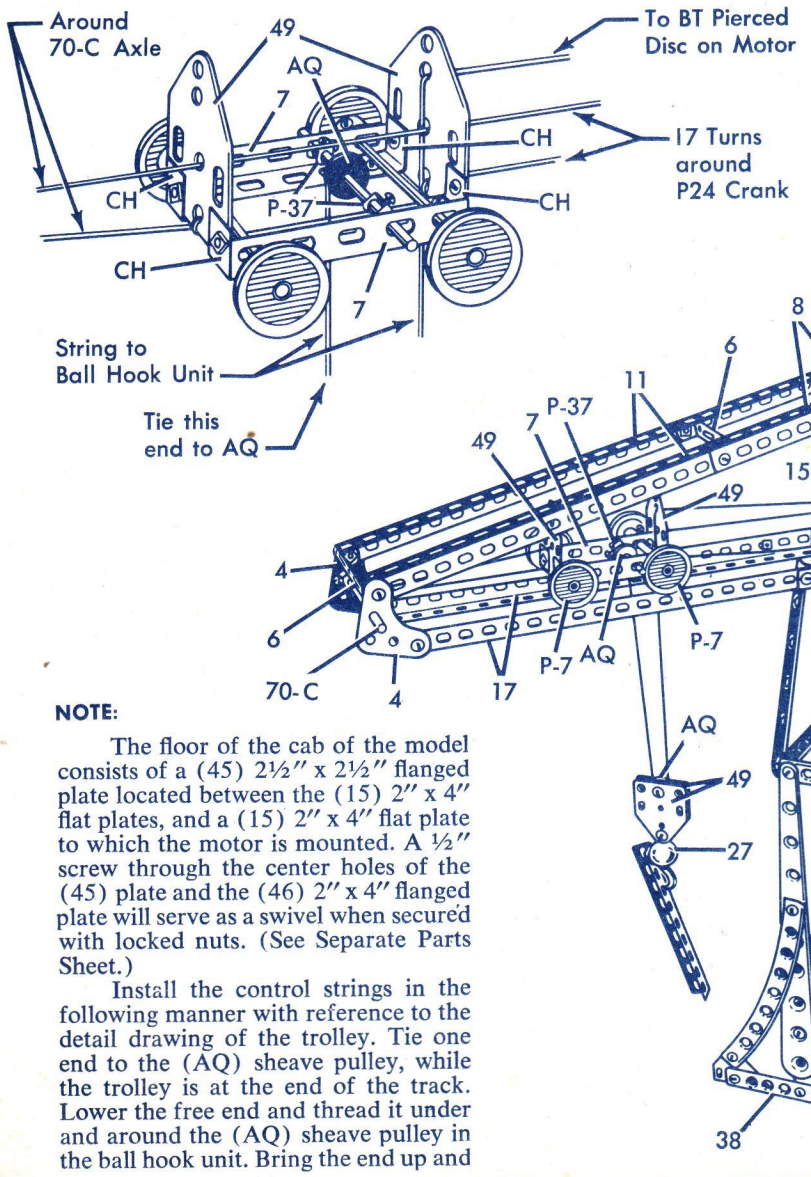
NOTE:

This could be the type of instrument which, when landed on the moon, will transmit back to earth the information gathered by its rotating analyzers.

The (70-C) 4″ axle extends down through a hole in the (14) and (15) flat plates. To keep the axle from pulling out, install a (P-37) coupling above and below the plates.

To install the drive chain, refer to instructions on Separate Parts Sheet.

Connect lead wires from the motor to the Battery Case to operate the model.



HAMMERHEAD CRANE

BUILT BY		DATE	
Part — Quan.	Part — Quan.	Part — Quan.	Part — Quan.
4 — 4	23 — 8	51 — 4	CH — 4
5 — 4	27 — 1	70-A — 1	S-51 — 77
6 — 3	30 — 2	70-B — 2	S-52 — 7
7 — 2	32 — 4	70-C — 1	N-21 — 88
8 — 2	34 — 4	A-72 — 2	P-7 — 4
11 — 2	38 — 4	69 — 1	P-24 — 1
14 — 2	45 — 1	O — 4	P-34 — 1
15 — 6	46 — 1	AQ — 2	P-37 — 6
17 — 4	47 — 2	BL — 4	125 — 1
22 — 4	49 — 4	BT — 2	

THE A. C. GILBERT CO., New Haven, Conn.

NOTE:

The floor of the cab of the model consists of a (45) 2½″ x 2½″ flanged plate located between the (15) 2″ x 4″ flat plates, and a (15) 2″ x 4″ flat plate to which the motor is mounted. A ½″ screw through the center holes of the (45) plate and the (46) 2″ x 4″ flanged plate will serve as a swivel when secured with locked nuts. (See Separate Parts Sheet.)

Install the control strings in the following manner with reference to the detail drawing of the trolley. Tie one end to the (AQ) sheave pulley, while the trolley is at the end of the track. Lower the free end and thread it under and around the (AQ) sheave pulley in the ball hook unit. Bring the end up and through the second hole from the top of the (49) flat car truck and tie it to the (BT) pierced disc on the motor. Next, with the trolley in the same position, tie the end of another string to the bottom hole of the (49) flat car truck nearest the motor, and tie the other end to a (P-37) collar on the (P-24) crank. (Leave the collar screw loose.) Now, to another (P-37) collar tightened on the crank, tie the end of a third piece of string. Turn the crank 17 times to wind up the string. Thread the free end through the third hole from the top of both (49) flat car trucks, over and around the (70-C) axle end of the boom, and tie the end to the car truck nearest the axle. Then tighten the screw on the first collar. By turning the (P-24) crank, the trolley will move backward and forward, and when lead wires have been attached from the motor to the Battery Case, operating the switch will raise and lower the hook.

FLAT BED TRUCK

BUILT BY

DATE

Part — Quan.	Part — Quan.	Part — Quan.	Part — Quan.
1 — 4	15 — 8	74 — 1	BT — 1
4 — 2	17 — 2	75 — 1	CH — 10
5 — 4	18 — 2	76 — 1	S-51 — 75
7 — 2	21 — 2	125 — 1	S-52 — 4
8 — 2	28 — 2	A-72 — 2	N-21 — 77
11 — 2	32 — 2	69 — 1	P-7 — 2
12 — 2	34 — 4	O — 2	P-37 — 4
14 — 4	70-E — 2	BL — 4	

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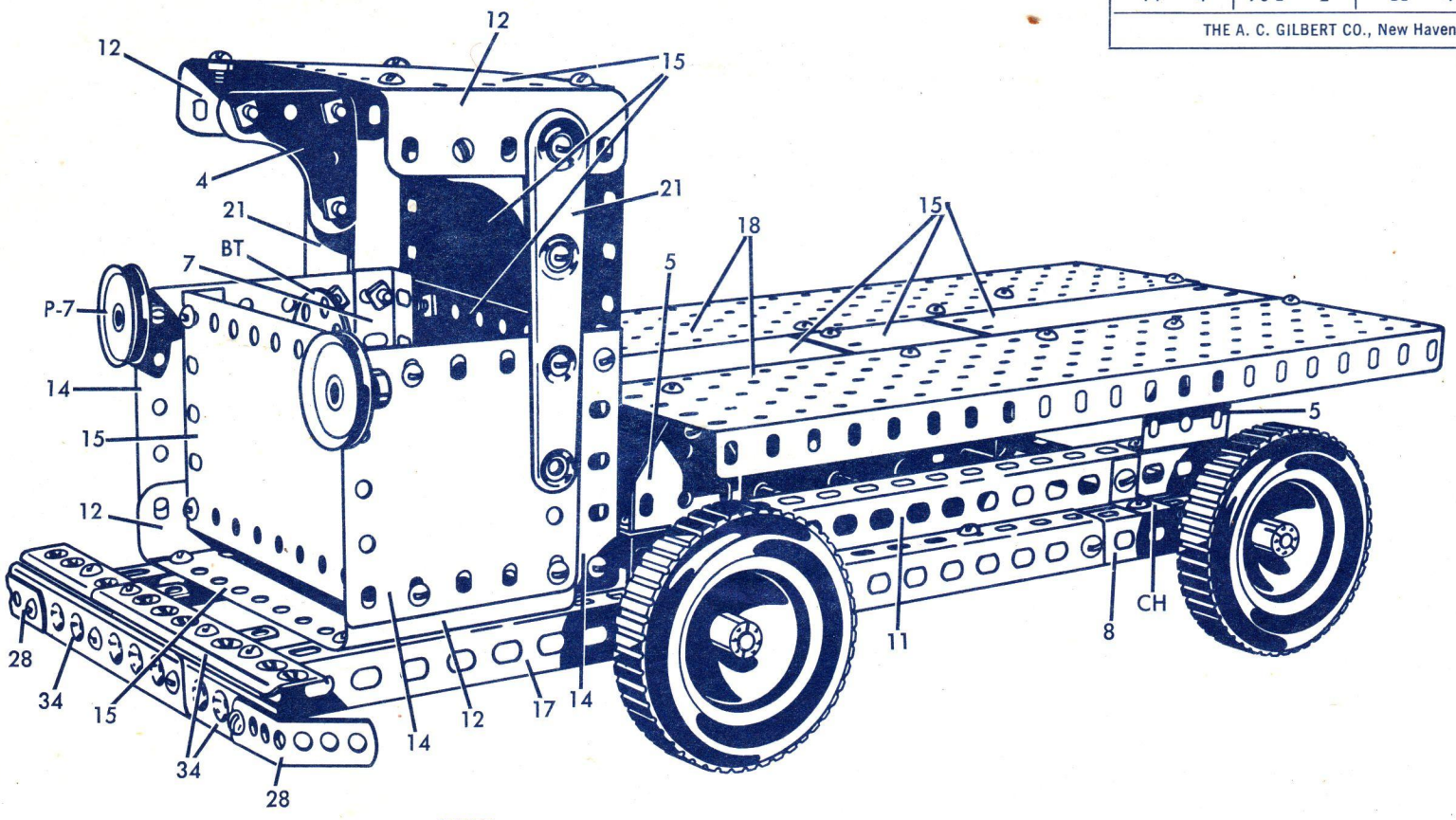
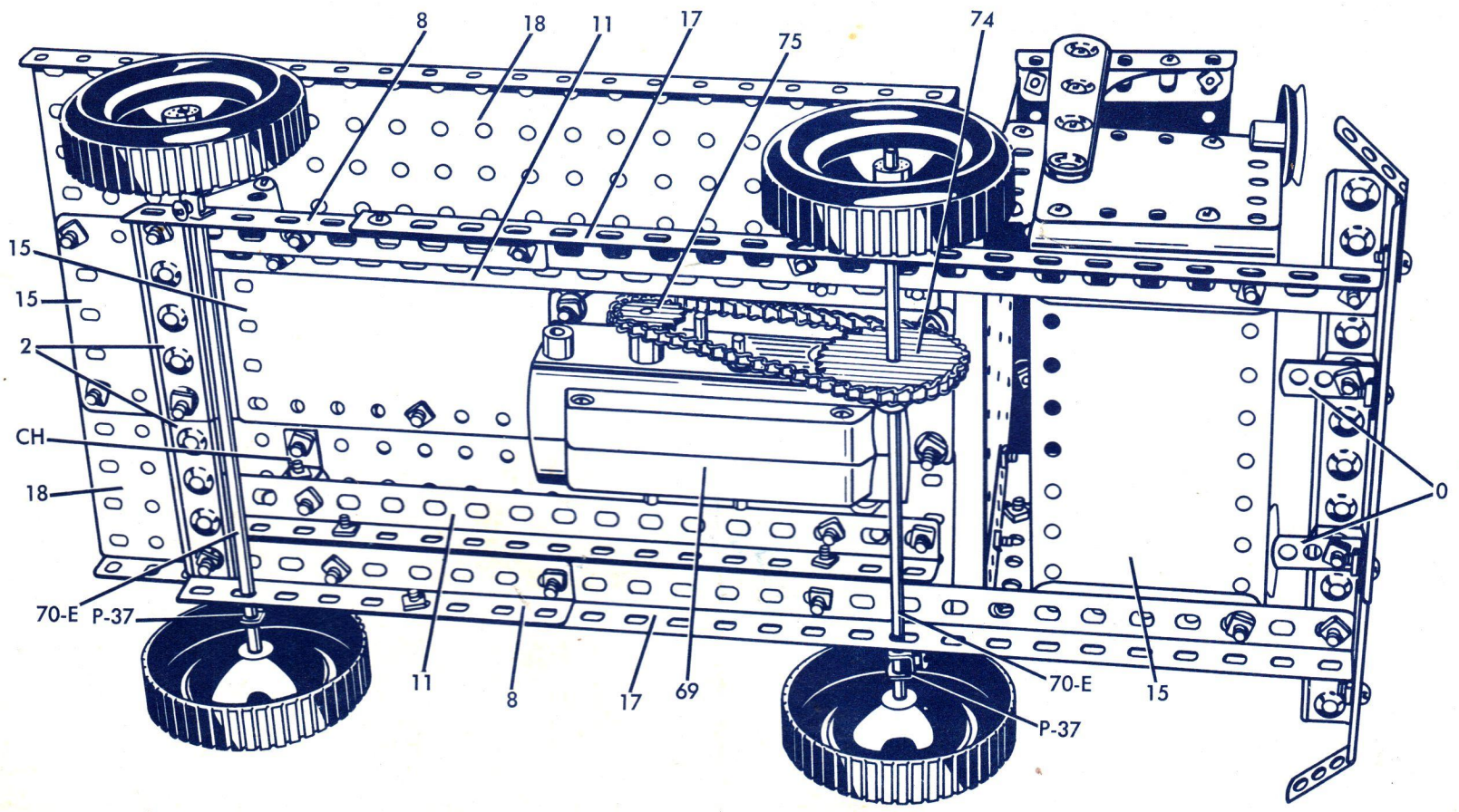


NOTE:

This Flat Bed Truck can be used as it is, or different style bodies can be built on the chassis.

It is the chassis which should be built first, referring to Fig. 2 for a bottom view. The motor is mounted to the underside of the flat bed, with ½″ screws and connected by a wire from each terminal to each clip on the battery case.

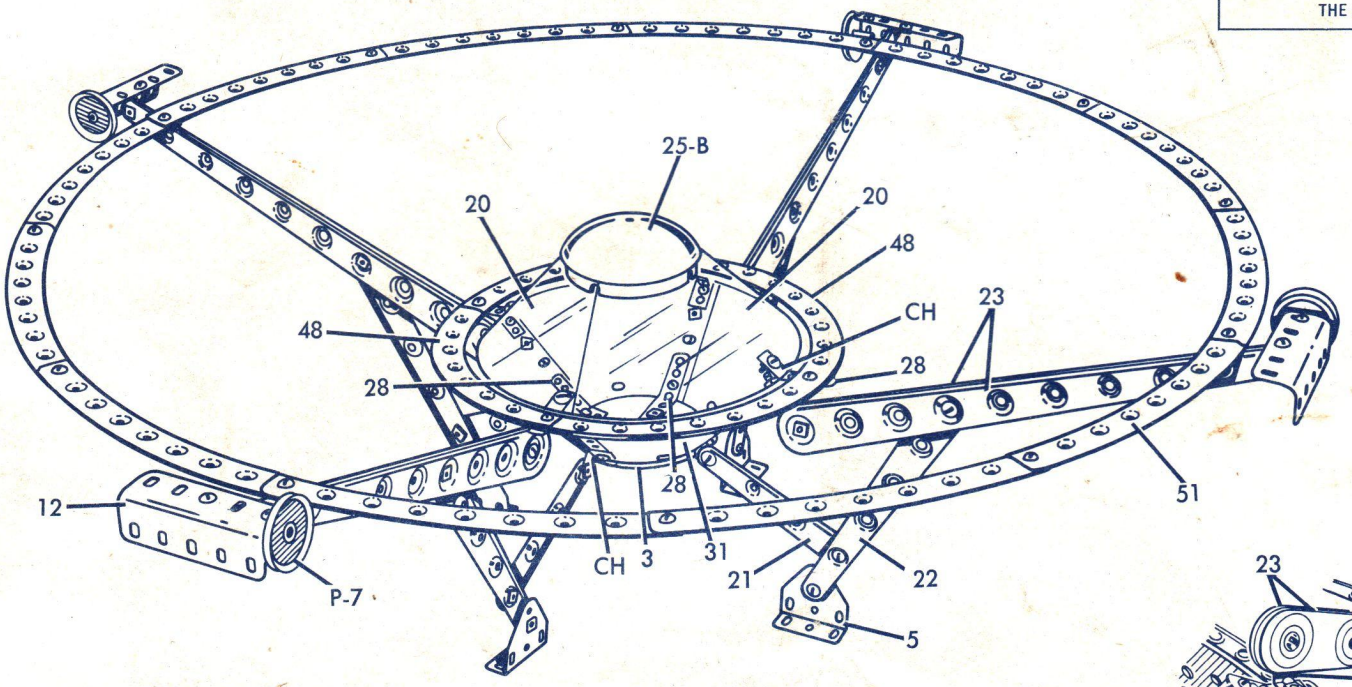
To establish and assemble correct length of chain, see Separate Parts Sheet.

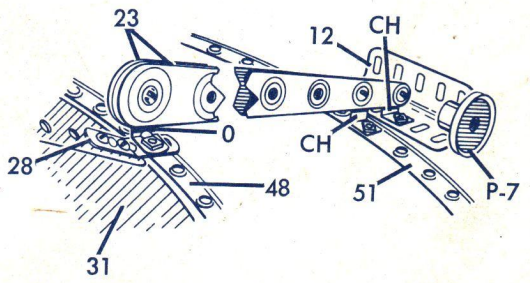


SPACE STATION

BUILT BY		DATE	
Part — Quan.	**Part — Quan.**	**Part — Quan.**	**Part — Quan.**
3 — 1	22 — 4	S-51 — 70	BL — 4
5 — 4	23 — 8	CH — 12	25-B — 1
12 — 4	28 — 8	P-7 — 4	48 — 4
20 — 2	51 — 12	N-21 — 70	31 — 4
21 — 4			

THE A. C. GILBERT CO., New Haven, Conn.



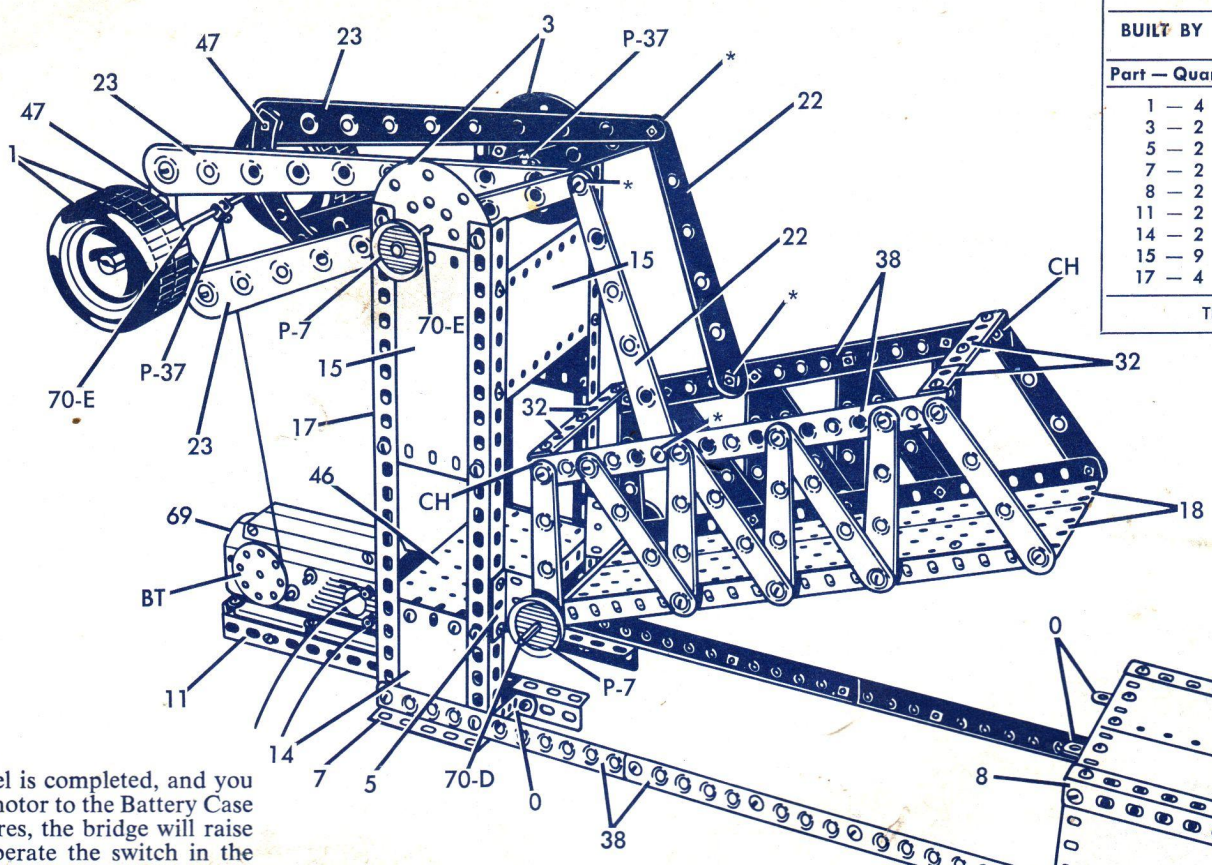


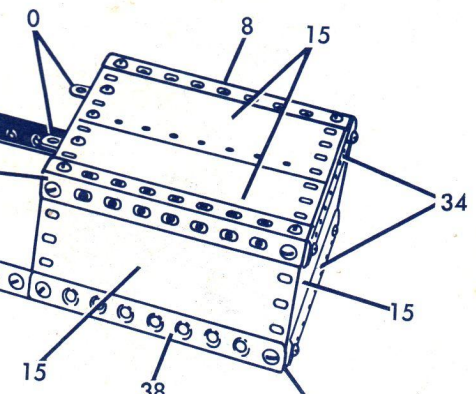
View from bottom, showing construction details for attaching arms and large outer ring.

LIFT BRIDGE

BUILT BY		DATE	
Part — Quan.	**Part — Quan.**	**Part — Quan.**	**Part — Quan.**
1 — 4	18 — 2	47 — 2	BT — 1
3 — 2	21 — 16	125 — 1	BL — 4
5 — 2	22 — 4	70-D — 1	P-34 — 1
7 — 2	23 — 4	69 — 1	A-72 — 2
8 — 2	32 — 4	P-37 — 5	70-E — 2
11 — 2	34 — 3	CH — 8	N-21 — 95
14 — 2	38 — 8	P-7 — 4	S-51 — 91
15 — 9	45 — 1	O — 6	S-62 — 4
17 — 4	46 — 1		

THE A. C. GILBERT CO., New Haven, Conn.





NOTE:

When this model is completed, and you have connected the motor to the Battery Case with the two lead wires, the bridge will raise and lower as you operate the switch in the forward and reverse position. Although this Draw Bridge is not difficult to build, the following hints may be of some help.

Where an asterisk * appears, the parts should swivel freely and must be fastened by the locked nut method explained on your Separate Parts Sheet.

The (70-E) 7″ axle which goes through the center hole of the (3) round plates at the top of the model, also goes through holes in the (23) 10″ tapered girder, and serves as a pivot.

The (70-D) 6″ axle upon which the bridge floor pivots, extends through the lower end hole of the 4 hole tapered girder, and the end holes of the flange on the (18) 2″ x 10″ base plate.

The (BT) pierced disc is fastened to the end motor shaft, and the string is tied to the set screw. The other end of the string is tied to the (P-37) collar. When the motor is started, the string will wind up and raise the bridge. Reverse the motor and the bridge will lower.