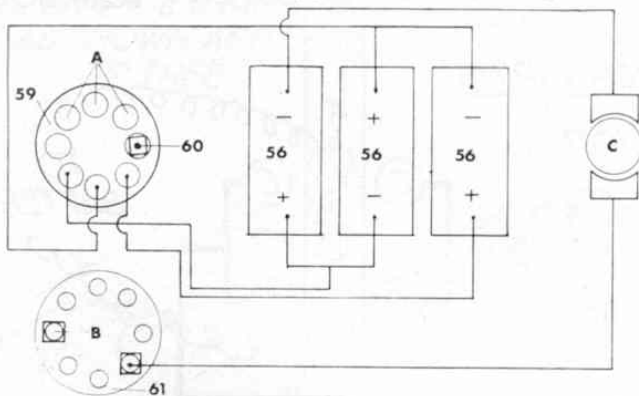


## by Spanner

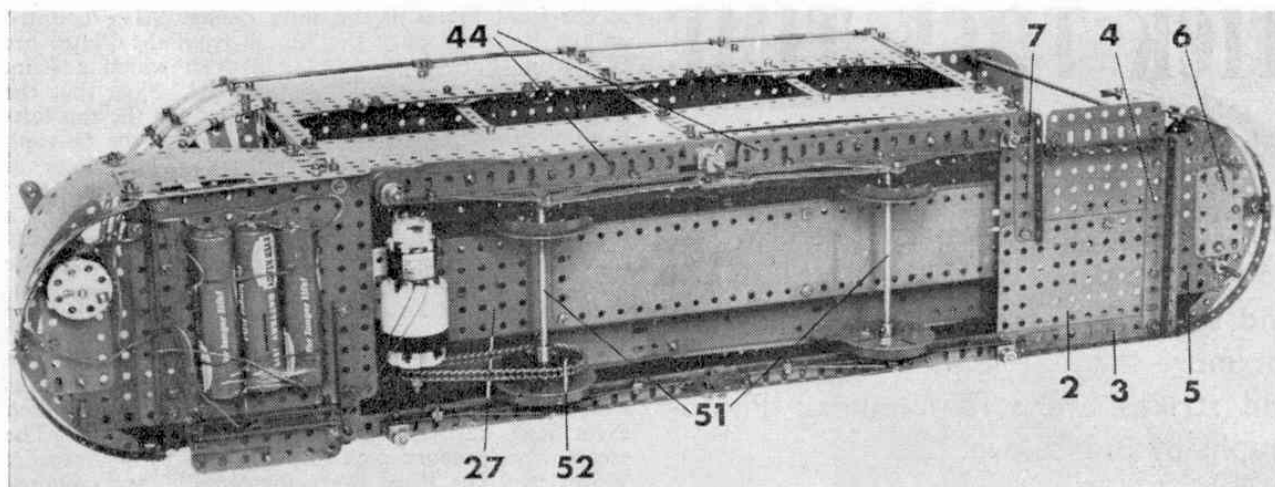
Four wheels are now each produced from a Face Plate bolted to a Wheel Flange and are mounted in pairs on two  $4\frac{1}{2}$  in. Rods 51. These are journaled in the bosses of Double Arm Cranks bolted to the insides of Girder Frames 46, a Collar spacing each wheel from the adjacent Crank. A 2 in. Sprocket Wheel 52 is fixed on one of the Rods, as shown, then the finished truck is secured to Angle Girders 1 by four  $\frac{3}{4}$  in. Bolts 53 passed one through each Angle Girder 44. Compression Springs on the shanks of the Bolts separate Girders 44 and 1, further separation



The detail on the Chieftain 1/25th scale model tank by Tamiya is superb. Once again, construction is fairly straightforward, providing each step is carefully followed. All wheels are independently sprung and the

Finally the trolley pole (non-working) is represented by an 11½ in. Rod 63 held by Collars in a 1 × ½ in. Double Bracket, the lugs of which are extended by 1½ in. Strips 64. The lower Collar is held on the Rod not by Grub Screws, but by Bolts passed through the lugs of the Double Bracket and into the tapped bores of the Collar. A Small Fork Piece carrying a ¾ in.

tracks, instead of being the usual strip of flexible plastic, are fabricated from a number of plastic "links", each fitted with a soft rubber pad for additional grip. The performance is impressive, the model rapidly climbs steep slopes and obstacles. Power for the model is once again provided by electric motors. Another kit including the remote control unit that comprises of an additional motor and control panel, will be available at the end of the year price 126/-. Price for the basic kit we constructed is 99/11d.



loose Pulley is mounted on the top of the Rod.

The pole base consists of three Sleeve Pieces 65 wedged over two  $\frac{1}{2}$  in. Pulleys with boss mounted on a  $\frac{5}{8}$  in. Rod, the Pulleys coinciding with the joints between the Sleeve Pieces. A  $\frac{3}{8}$  in. Flanged Wheel 66 is clamped over the top Sleeve Piece, followed by a Collar, then the whole thing is fixed in the centre of the top deck by another Collar mounted on the Rod beneath the deck. The Bolts fixing Strips 64 to the Double Bracket are screwed into the tapped bores of yet another Collar 67 which is fixed to the top of the  $\frac{5}{8}$  in. Rod.

Held by Nuts in the end holes of Strips 64 is a 1 in. Screwed Rod 68 on which a Tension Spring 69 is mounted. The other end of this Spring is bolted to lower Sleeve Piece 65 to complete the model.

If required, a track can be built up from suitable Angle Girders, but the following parts list applies only to the model.

#### PARTS REQUIRED

6-1a	4-15a	2-74	2-179
4-1b	2-16a	4-89b	6-188
4-2a	6-17	16-90	18-189
24-3	4-20	1-94	4-191
8-5	1-20b	1-95	14-196
4-6	1-23	1-96a	1-197
20-6a	3-23a	6-103a	22-212a
8-7a	1-24	2-103d	4-213
4-8b	408-37a	2-103k	4-214
8-9	388-37e	4-109	2-216
10-9a	200-38	5-111	8-235
4-9b	1-43	1-111a	8-235a
6-11	27-48	4-111c	4-235d
1-11a	15-48a	4-113	12-235e
30-12	7-52a	4-115	
6-12b	4-53a	1-116a	1-514
6-12c	20-59	10-120b	7-544
6-13a	4-62	2-126a	1-543
2-14a	12-62b	4-137	4-561
7-15	3-70	3-163	
1 Power Drive Unit		3-3 V Batteries	

On opposite page, a wiring diagram showing the connections between the batteries, motor and controller Bush Wheels. A—Contact Studs; B—Contact Screws; C—Power Drive Unit.

Above, a complete underside view of the Tram showing construction of the driver's platform and drive from the motor to the truck.

At right, in this close-up view of the "business end" of the model, the layout of the batteries and controller Bush Wheels is clearly shown.

