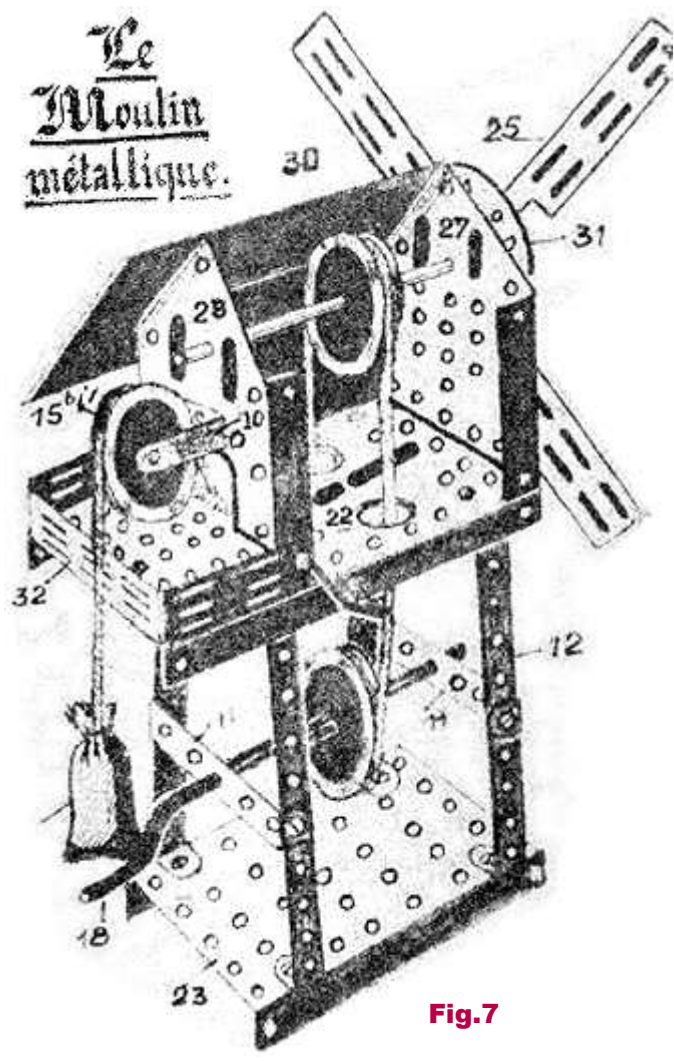
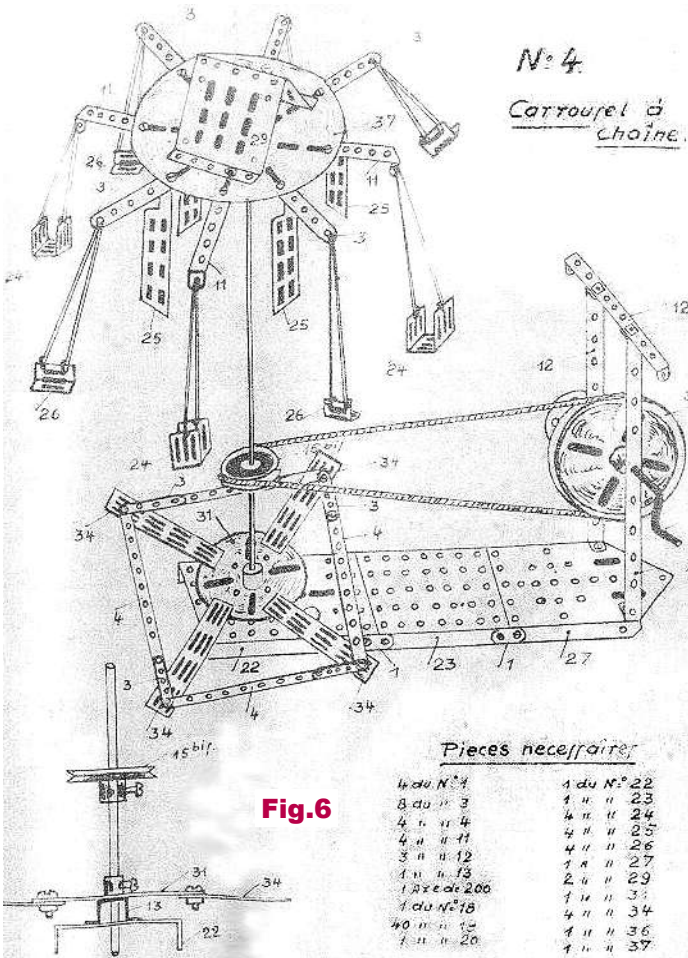


**REMARKS** The sets of this system are good-looking but their models are rather disappointing.



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LE CONSTRUCTEUR: S3

**INGENIUM** 2 manual models from this French system are shown in MCS without any other details, but further particulars are given in EJC (see 37/1108), and last year the set right was offered on Ebay. All three sources have been used for these notes. EJC says that INGENIUM was made by G.M.L. from 1947 to 1955 and had 33 different red, blue or nickel parts. **Holes** are 3.8mm Ø at 12mm pitch.

**The Parts** The 29 that can be identified are listed below and except where stated they are probably nicked (though some of the lighter grey parts, the Axles & bosses for example, could be aluminium).

- **Strips**, 3,5,7,12,27h (the 7,12,&27h are blue).
- **DAS**, 1\*5\*1h.
- **Angle, Flat, & Double Brackets**.
- **Pulleys**: 2½h Ø Fast; 2½h Ø Loose (red); 2h Ø Loose (if genuine).
- **Tyre** for the 2½h Ø Pulleys.
- **6h Bush Wheel** (blue).
- **Flanged Plates**: 5\*5 & 5\*10h (red with round holes in the flanges).
- **Triangular Plate**, 3\*3h.
- **Axles**: 50 & 95mm. **Crank Handle**.
- **Collar**; **Wire Hook**; **Cord** (light brown).
- **Bolts**, Short & Long. **Nut**. (In the models Bolts look roundheaded and the Nuts hexagonal.) **Set Screw**. **Washer**.
- **Span'driver**, black, with a 'T' head cranked on one side with open jaws, and a ring opening on the opposite side.
- EJC shows a 110v, .32amp, 2800rpm **Motor** with red sideplates. A red cylindrical motor is bolted between them with its drive shaft passing through one sideplate. The sideplates look to be made from the blank used for the 5\*10h Flanged Plate but with only one flange, along the bottom.

**Variations** EJC has photos of a different box lid and a slightly different manual cover. The lid is mainly white with INGENIUM; BOITE G.M.L.; and 3 models in blue on it (a Helicopter, a Gantry Crane, & a Roundabout). G.M.L. also appears on the manual cover, which is otherwise the same as the Ebay one (the latter said to have 20 pages). Another difference, EJC shows 2 manual models and the parts for them are listed with PNs rather than just the names that are



used in the MCS models. Perhaps G.M.L. did not make INGENIUM throughout its entire life. There is no indication anywhere that there was more than one set but 2 of the models on the EJC lid, and possibly one of the models in the EJC manual, can be seen to need more Flanged Sets than are in the Ebay set.

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INGENIUM: S1