

EDITORIAL Tony Matthewman has very kindly sent me 35 examples of a TRIX Leaflet, and has asked me to pass one on to any reader who is interested. It is a sheet 275*150mm, folded into three and the address on it is 310 Summer Lane, Birmingham. It lists the contents of the 23 EXTRA-PAKS of parts that were then available, and in addition there's a photo of all the TRIX parts, building instructions for a Windmill Pump, an ad for the Permug 2051 Electric Motor, and a list of 4 sets of blue-prints, for models that needed EXTRA-PAK parts to supplement those from the standard Sets. So first come first served, though I'll reserve an appropriate number for overseas readers. Postage will be payable unless you are content

to wait and receive the Leaflet with your next Newsletter.

Another large batch of Extra MCS Sheets this time, many of them for the small German systems from OSN 15. From the next Issue the number should return to normal.

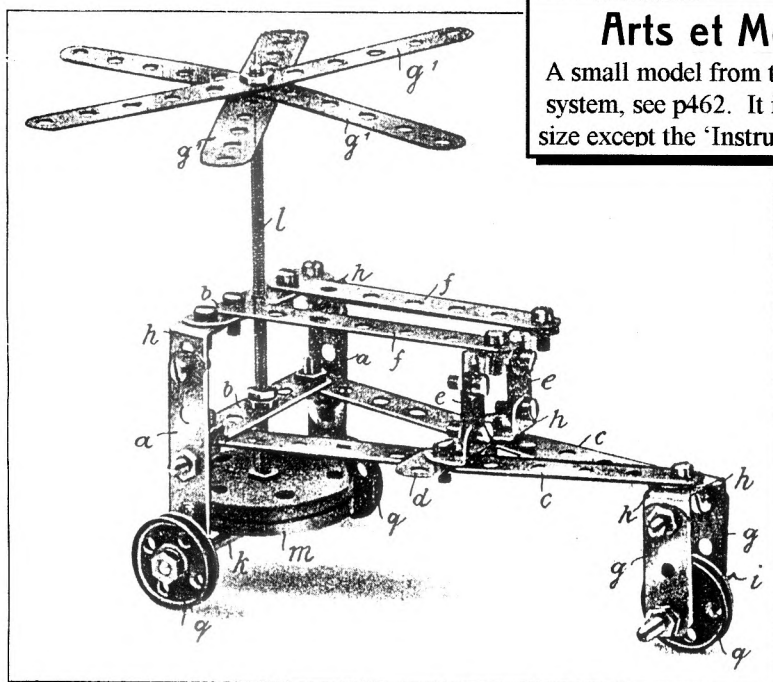
One or two readers have asked if I intend to revise the MCS Index to include all the Extra MCS Sheets. The answer is that although such an update would be useful, I doubt if I will be able to find the time to do it myself. If anyone else produces one and wishes to make it available to others, I would be glad to give details in OSN. As a purely alphabetical list of OS I use my Database, but that's not the whole story of course.

No. 35. Roue à vent horizontale sur roues.

(Construite avec les matériaux de la boîte No. 51 ou des boîtes No. 50 et 50a).

Arts et Métiers

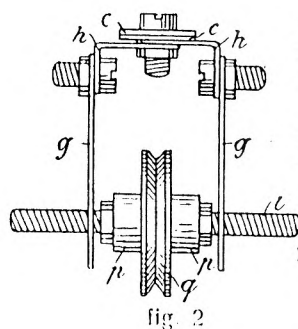
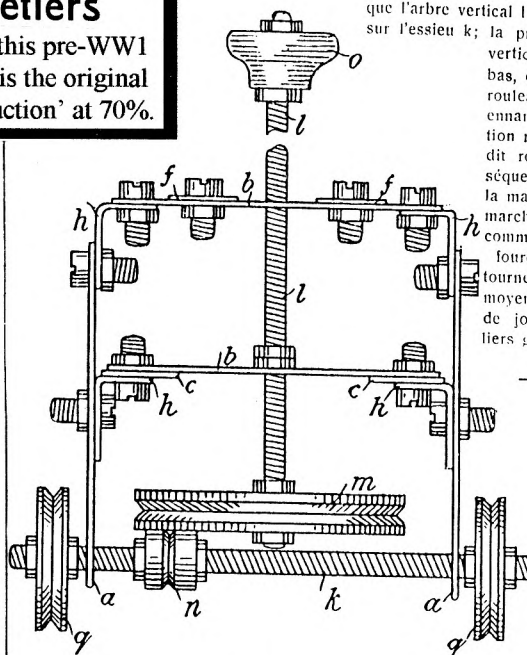
A small model from this pre-WW1 system, see p462. It is the original size except the 'Instruction' at 70%.



Instruction pour la construction de la Roue à vent horizontale sur roues.

L'image et les dessins auxiliaires expliquant suffisamment le montage, une description pour l'assemblage de ce modèle nous paraît superflu.

La fig. 1 sert de norme pour le montage de la partie postérieure. A remarquer, que l'arbre vertical l ne doit pas reposer sur l'essieu k; la pression que l'arbre vertical l, exerce vers le bas, doit être transmise au rouleau de friction n, moyennant le plateau de friction m, qui fait tourner le dit rouleau et par conséquent, les ailes, lorsque la machine entière est en marche. La fig 2 montre, comment on construit la fourche; dans laquelle tourne la roue de devant q, moyennant 2 cornières de jonction et les paliers g.



2 montants sur roue a
2 traverses b
2 supports c
1 support transversal d
2 montants de milieu e
2 tirants f
2 paliers g
3 ailes g'
10 cornières de jonction h
1 essieu de devant avec 2 écrous i

fer plat 5 trous
" " 5
" " 11
" " 5
" " 2
" " 7
" " 3
" " 11
tige filetée 50 mm

Spécification des pièces.

1 essieu arrière avec 6 écrous k tige filetée 90 mm
1 arbre vertical avec 6 écrous l " " 120 "
1 plateau de friction m
1 rouleau de friction n
1 disque de serrage o
2 bagues d'arrêt p
3 roues q
21 vis et écrous

ARTS ET MÉTIERS Série 1 As explained in the review of STABIL in 13/351, ARTS ET MÉTIERS was the name used by Walthers in France for their constructional sets prior to WW1; and the Série 1 outfits were equivalent to STABIL, with the same Set Nos. More details of this period are now available from photocopies of two A&M manuals that Josep Bernal has kindly sent, and some further information from Werner Sticht.

The design on the cover of the first (above) is similar to STABIL manuals of the period except that usually the outfits covered are shown at the top. In this one the only indication is the Set No. (49 to 53) given after each of the models. There's no indication of date or any references, nor mention of the manufacturer. Neither is there a Parts List or Set Contents: outfits at that time usually had a label inside the lid showing the parts in the Set, and their quantity.

The presentation of the models is as shown in MCS with a good halftone of each, engineering drawings of details as necessary, a list of parts with many called by the appropriate engineering term as well as by the official A&M name, and text to explain the construction.

The whole Manual is as originally bound but there is a



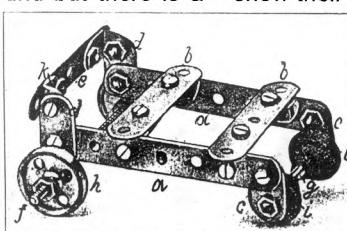
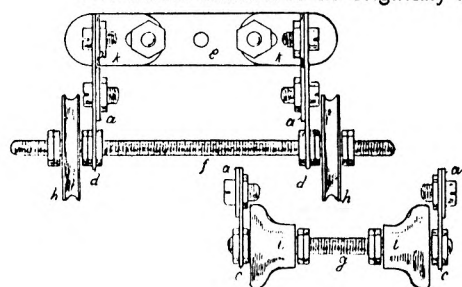
discontinuity in the page numbering. First there are pp1-44 with Models 1-47 for Sets 49-52, but the numbers of 44, 46 & 47 are on little labels stuck over the original ones. Then come pp37-50, with Models 48-54 for Set 53, all on labels changing the numbers. But someone forgot to stick a label over the original '38' on the last of 3 pages for Model 54, so the last 7

models may have been 32-38 originally.

Perhaps the earlier models had been revised and the page numbers of the 53 models got forgotten, although, as will be explained, they may be later than the smaller ones. There's no obvious reason for the labels over the Model Nos. of the last three No.52 models.

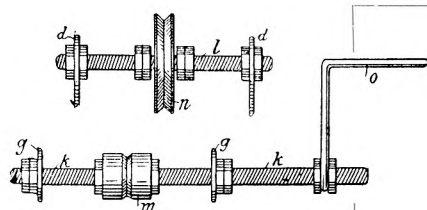
The Crane shown in MCS is one of the Set 52 models in Josep's Manual, though there's no indication of overlabeling in the MCS illustration.

Sets 49 & 50 didn't include any parts to act as a base, and nor were there any DAS, so the models, quite small of course, are simply made from Strips joined by Angle Brackets, as in Nos.7 & 17 below. Notice the cross sections of the Grooved Cylinder 8, and the Cheek Piece 9, which show their early form.



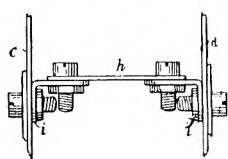
No. 7. Diable.

(Construit avec les pièces de la boîte No. 49.)



No. 17. Grue fixe.

(Construite avec les matériaux de la boîte No. 50.)



No. 31. Moulin à vent.

(Construit avec les matériaux de la boîte No. 51 ou les boîtes No. 50 et 50 a.)

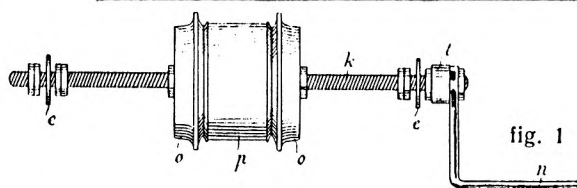
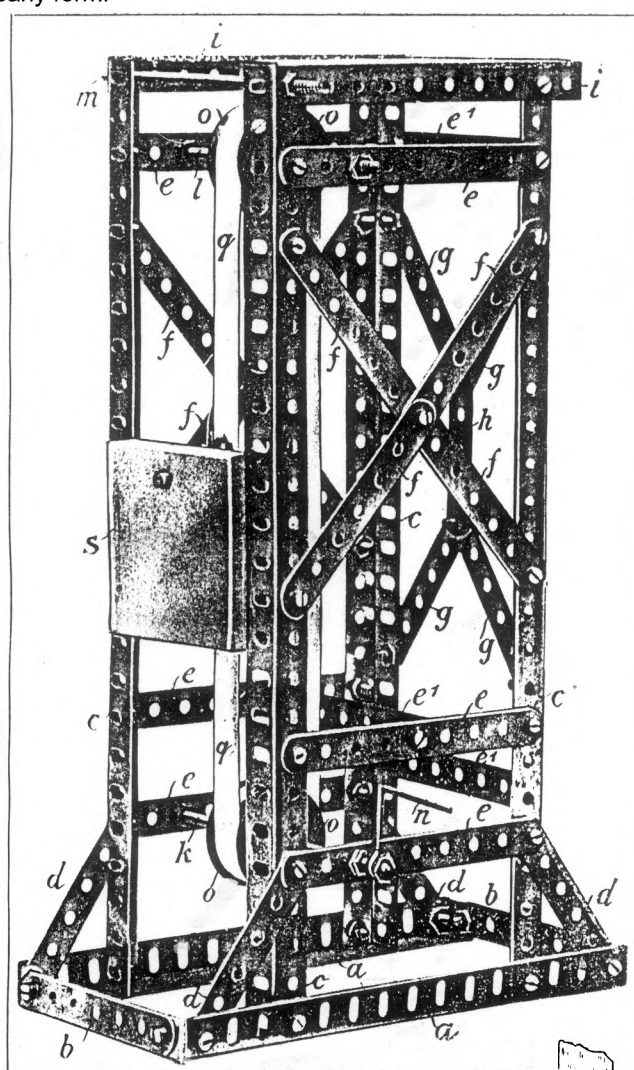
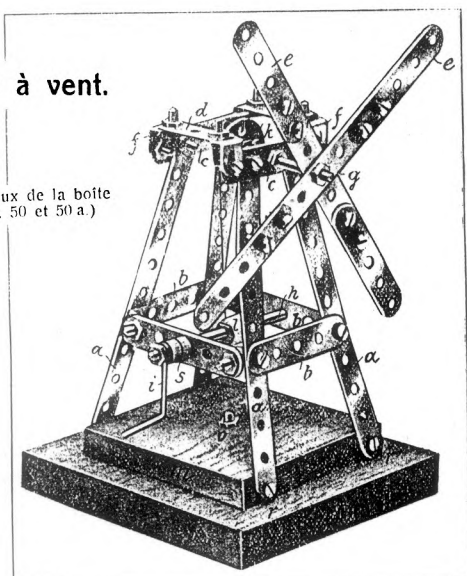


fig. 1



fig. 2

No. 48. Marteau-pilon.

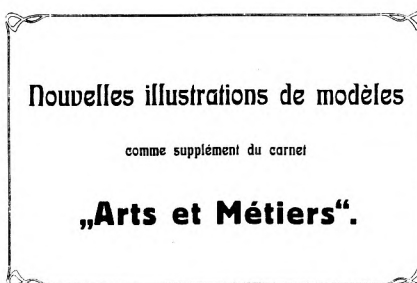
(Construit à l'aide de la boîte No. 53 ou des boîtes 52 et 52 a.)

Set 51 contained some of the wooden Base Parts (17-21, see 13/353) and they are used in several models. Sometimes other parts are clamped on as shown in 13/353 but in other cases Woodscrews are used in various positions, as in the Windmill on the facing page. There's no indication of predrilled holes for them. Other parts in the Set were a Fan, a Saw Blade and a Wooden Pulley but they are only used in one or two models. The Pulley, No.15, is shown in its then standard form with 6 holes in its face, and can be seen in the model on the front cover of this Issue.

The main extra parts in the No.52 were Flanged & Grooved Wheels, Windmill Sails, a pair of Bevels, and a Pinion to use as a ratchet wheel with the Click No.27. The Wooden Bases are again used as necessary.

In the 53 models however no wooden or other Base Parts are shown, and A/Gs with cross Strips joined by Angle Brackets are generally used. Were these models designed before the Wooden Bases were introduced? Or did they come after the Wooden bases were dropped but before Flanged Plates were introduced? Or was it simply that this Set contained A/Gs and they were more practicable for the larger No.53 models? Other parts seen in them are the Wooden Cylinders 31 & 31b, the Dredger Shovel 30, the Conveyor Belt 33, and Contrate 32. Also shown is the Tup Block 31 in Model 48 (opposite), an early wooden part, later discontinued. It was grooved to slide between the A/Gs and was raised by Angle Brackets that seem to be sewn to Tape that is much narrower than the Conveyor Belt - it may have been PN 34 at the time.

SUMMARY OF MANUAL •Name: Arts et Métiers. •Details of maker, Dates, Ref Nos: none. •Page size: 244*164mm deep. •No. of pages: 58 + covers. •Language: French. •Printing: halftones of models with line drawings of details. •No Parts List or Set Contents. •Sets covered: 49,50,51,52,53. •No. of models for each set: 16,11,12,8,7. •Name, Model No., Page No. of first & last model of each set: 49: Echelle,1,3; Mât pour drapeau,16,10. 50: Grue fixe,17,11; Wagon de chemin de fer à ranchers,27,21. 51: Palan,28,21; Roue à vent horizontale,39,32. 52: Chariot basculant,40,33; Chariot de montage,53,46-47. 53: Marteau-pilon,48,37; Wagon de chemin de fer avec grue pivotante,54,48-50. •Other notes: details from photocopy; pages are numbered 1-44, then 37-50; Model Nos.44,46-54 are on labels stuck over the existing numbers, but 'No.38' on p50 hasn't been altered.



The second manual is a 16 page supplement with the unusual cover design shown opposite. The presentation of the models is the same except that no engineering sketches are included, and only a line drawing is given for the last 5 models, all Railway Wagons. The models are for Sets 49 & 50, but not the same Sets 49 & 50 as

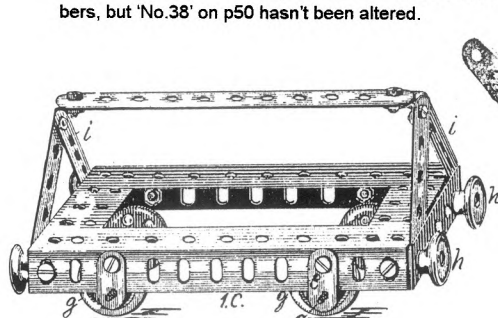
before. The 34 No.49 models have a similar general look but there were now 4 Pulleys instead of 2, and an 8h Wheel Disc, which allow models more akin to the earlier No.50's. [The Wheel Disc is shown as the load in Crane No.17 opposite, but isn't shown in any other models in that Manual.]

But the biggest change is in the No.50 models where all but 2 of the 14 include a 5*11h Flanged Plate, no doubt a recent introduction at that time, and most also use its 'centre' 7*3h Flat Plate. 4 of them are Trucks from the Railway Wagon Sets (see 13/348) but there's a note about the No.50 Set only contained 2 of the 4 Cheek Pieces that were used as buffers.

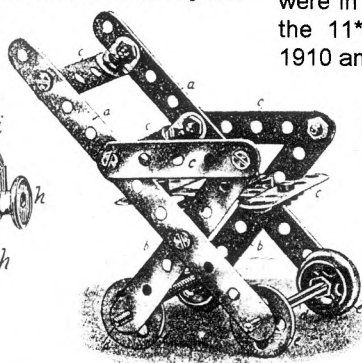
A few of the models are shown below. The Wheels on Wagons 244-248 look like small Flanged Wheels rather than Pulleys, and so do those on the on the Push Chair below. Two other points - the numbering of the models starts at No.201, and the linking set 49a is mentioned whereas in the first manual only 50a to 52a are referred to.

SUMMARY OF MANUAL •Name: "Arts et Métiers" Nouvelle illustrations de modèles. •Maker, Dates, Ref Nos: none. •Page size: 240*164mm deep. •No. of pages: 16 + covers. •Language: French. •Printing: as before, except line drgs of last 5 models. •No Parts List or Set Contents. •Sets covered: 49,50. •No. of models for each set: 34,14. •Name, Model No., Page No. of first & last model of each set: 49: Martellerie,201,2; Tricycle à moteur,234,11. 50: Echelle sur roues avec plate forme,235,12; one of Quatre wagons de chemin de fer,248,16. •Other notes: also from a photocopy.

ENDNOTE On dates, an A&M manual for Sets 49-52 is known which contains the same models for those sets as Josep's 49-53, and is believed to date from about 1910. 1914 STABIL sets certainly contained the extra parts that were in the No.49 & 50 models in the Supplement, and so the 11*5h Flanged Plate was probably introduced after 1910 and before 1914.



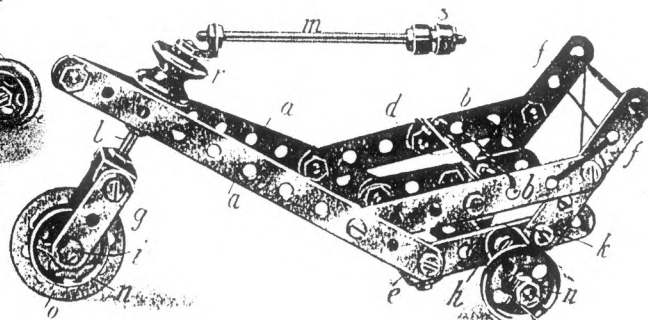
No. 246.



No. 234. Tricycle à moteur à construire à l'aide de la boîte No. 49.

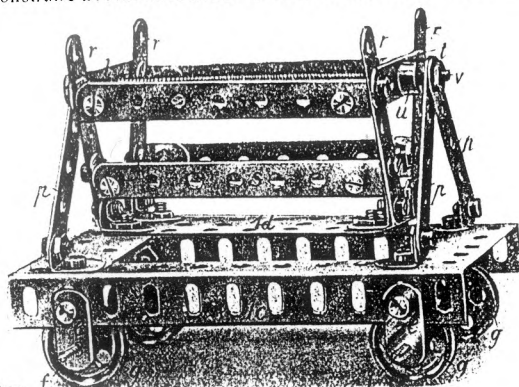
No. 207. Fauteuil roulant

à construire à l'aide de la boîte No 49.



No. 238. Wagon de chemin de fer (basculant)

à construire à l'aide de la boîte No 50 ou des boîtes No 49 et 49 a



No. 237. Tricycle automobile à construire avec les pièces de la boîte No. 50 ou des boîtes No. 49 et 49 a

