

WI-DI. Until now only the name of this small, early post-WW2 German system was known: this note is about an example of the basic Nr.0 set now to hand, not quite complete but with its manual. It was produced by Ing. W. Diedrich of Hamburg and no

FIG.1



FIG.2



doubt the name WI-DI is made from, as is often the case for German systems, the first two letters of the maker's fore- (Wilhelm perhaps) and surnames. The main parts are Strips with a hole pitch of 6mm & special purpose Plates, all made of a non-ferrous metal, probably zinc.

The SETS The set structure is explained in the manual. There were Sets 1-3 which could be added to Set 0 to allow models of, respectively, a Gantry Crane, a Slewing Crane, and a Loading Gantry to be made. Also Sets 0-3 were available as one outfit referred to as Standardwerk. Finally a Set 00 with special & spare parts for use with the other sets.

Set 0 Its box measures 21½*15½*2½cm, with the lid in Fig.1. Compartments inside are formed by one loose, full length card tray; the small parts are in a plain brown card box, 8½*5½*2½cm. The contents of the set are not given but those needed for the manual models are noted in the next section. Virtually all of them are required for the Crane in Fig.6 and its parts list is given below (in B&W for clarity). To the right alongside it, rubber stamped in blue in the original, and no doubt an afterthought, is a list of the Strips with the

4 Stk.	Strebe Nr.1	2 Stk.	Deckblech Nr.18	No. 1 = 17	Langloch
2 "	"	2 "	Seitenblech " 19	4 = 28	Rundloch
2 "	"	1 "	Dachplatte " 20	6 = 9	Langloch
1 "	"	2 "	Kopfbleche " 21	10 = 13	Rundloch
4 "	"	2 "	Rollen " 22	12 = 11.	"
11 "	"	1 "	Welle " 24	13 = 10	"
6 "	"	1 "	Kurbel " 36	14 = 9	"
10 "	"	1 "	Hubhaken " 37	15 = 3	Langloch
16 "	Winkel " 17	1 "	Seil		
2 "	" " 28				
67 Schrauben u. Muttern					

FIG.3

number of holes or slots in each – it would be virtually impossible to build most of the models without it.

The PARTS The different parts in the Set as found (except the Cord) are shown below, with the smaller ones, enlarged, right. One Plate and some sizes of Strip were completely missing but are included in the notes that follow.

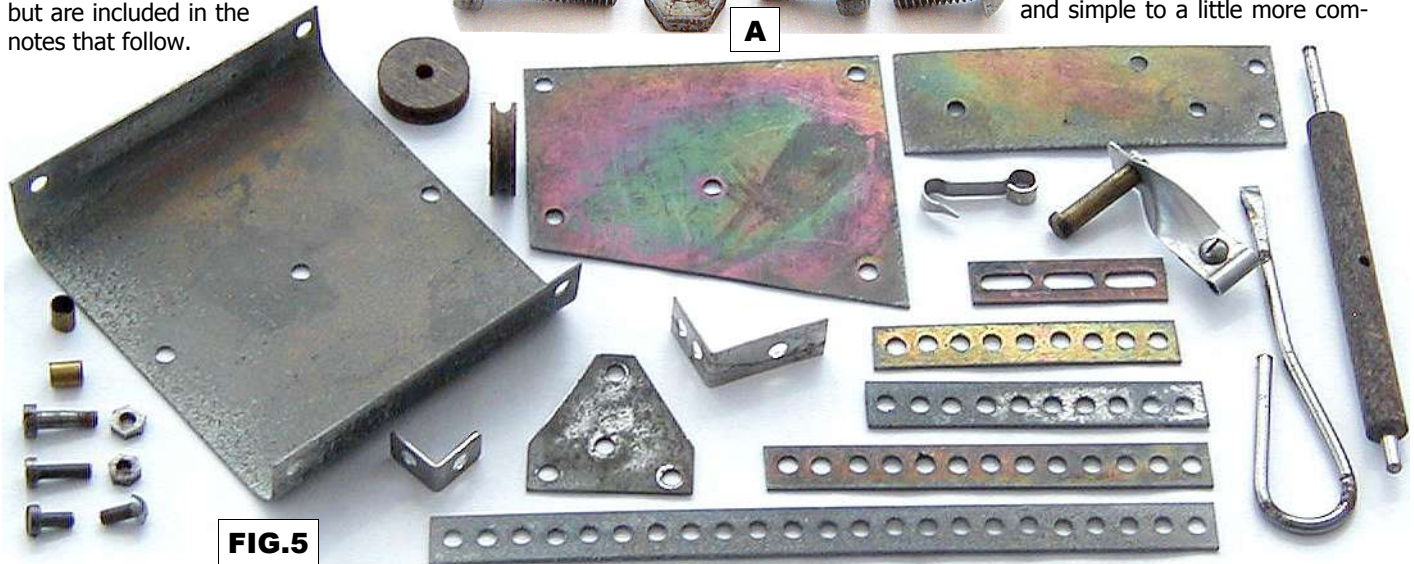


FIG.5

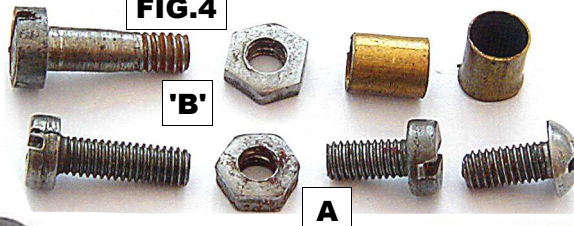
The quantities in curly brackets are those needed for the manual models. Most holes are 3.5mm at 6.0mm pitch

- **Strips**, #4,10,12-14, 9.6-10.1mm wide & .8-1.1mm thick, with 23,13,11, 10,9h {2,4,11,1,6}.
- **Slotted Strips**, #1,6,15 with 17,9,3 slots {4,2,10}. The slots are 9.5mm long at about 12mm pitch.
- **A/Bs**, of aluminium: #17, 1*1h, 8.2mm wide {16}; #28, 1*2h, 10.0mm wide {2}.
- **Plates**, see Figs.5 & 6, 8-9mm thick: #18, Flanged {2}; #19, Side, tapered {2}; #20, Roof, missing, near square {1}; #21, Jib Head {2}. #18-20 fit together with a lengthways hole pitch of 60mm.
- **Pulley**, #22, wooden, 17.8mm Ø, 5mm wide {4 – in the models they are usually called up with a Type B N&B, see below}.
- **Winding Rod**, #24, 100mm o/a with 3.0mm nickelled steel ends pushed into a 7.8mm Ø wooden 'drum' {1}.
- **Winding Handle**, #36, aluminium with a brass sleeve handle

held by a long bolt {1}. • **Pulley Block**, #37, it is made from 2 flat trunnions spaced by 3 brass sleeves, the lower one carrying the aluminium hook; a Pulley runs on a Bolt B through the centre hole {1}. It's not clear if the Pulley & Bolt B are additional to the 4 of each needed in one model – only 4 of each were found in the Set. • **N&B: 'standard'** (row A in Fig.4), M3 with Nuts 5.5mm A/F, and Bolts 10,6,6½mm u/h, with 5.5mm Ø heads {67; 63 Nuts & 12,38,19 Bolts found}; **Type B:** the Pulleys run on these, with Nuts 6-6¼mm A/F and 11mm u/h Bolts, with a 6mm Ø head, and a 3.4mm Ø shank threaded over about 4mm. The thread is 3x.6mm, and the only one of this size in the list in 7/169 was an early French standard. {4}. • **Screwdriver**, of 3mm nickelled steel wire, 78mm o/a. • **Cord**, a short length of loosely twisted twin strand blue Cord was in the Set.

The MANUAL It has 8 unnumbered beige pages, 207*143mm, printed in black; the front is shown in Fig.2. The PR along the bottom is 'Auerdruck GmbH., EP 36, Hamburg 1 – 3027/1000/8.47/Kl. C 9/982'. p2 has an Intro including the set structure. The 10 models are on the remaining pages from Sägebock (Sawhorse) to the Drehkran (Slewing Crane) in Fig.6. The latter is the only large model, and the only one in which any of the Plates are used; the others vary from small and simple to a little more com-

FIG.4



plicated, the Tipping Wagon in Fig.7 for example, followed by a Swing and a Seesaw. There is a large drawing & list of parts for each – the models here are 2/3 their original size.

REMARKS Some of the parts are unusual and there were one or two nice touches in their design. For example the Bolts 'B' to carry the Pulleys which obviate

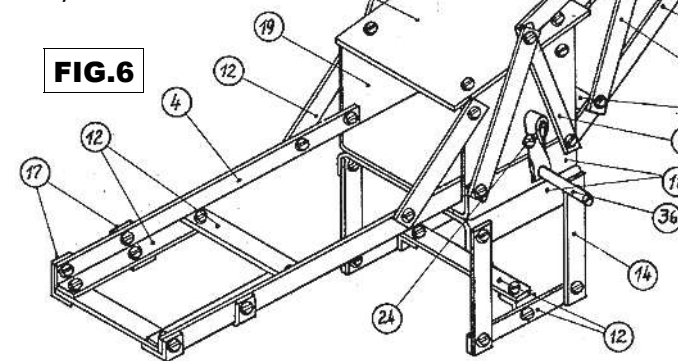


FIG. 6

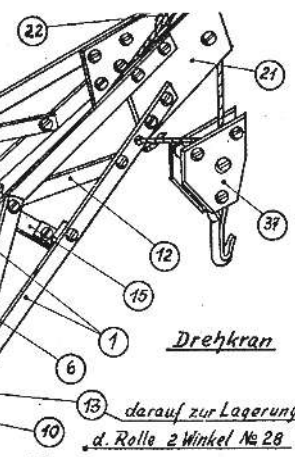


FIG. 7

Drehkran
Kipplore
 2 Stk. Streben Nr. 6
 4 " " " 10
 12 " " " 12
 2 " " " 14
 13 darauf zur Lagerung d. Rolle 2 Winkel Nr. 28
 14 " Winkel " 17
 4 " Rollen " 22 u. Bolzen
 27 Schrauben u. Muttern

the need for lock nutting, and are sized to give minimal side play. Also the hole through the centre of the Winding Shaft for the Cord. Taking tolerances into account the 6mm hole pitch just allows two Nuts or Bolt heads in adjacent holes.

I made the Crane, though slightly simplified because of the parts missing from the Set. The parts are reasonably accurately made and fitted together well despite the difference in the pitch of the holes and slots. The only difficulties were a)

how to join the jib head and allow the Pulley there to run freely – perhaps there was originally a longer Bolt in the Set; and b) the Bolt 'B' was not quite long enough to allow the Pulley in the Pulley Block to turn freely when its Nut was fully tightened. Otherwise though the N&B were a joy to use because they could be fully tightened using the Screwdriver and holding the Nut with the fingers.

In terms of appearance the completed model suffered from the jib being too wide at the cab end and the Jib Head Plates looking rather clumsy. In both cases it would have been difficult to make improvements without using appreciably more parts and without adding some extra holes to the Flanged Plate.

Finally my thanks to Thomas Morzinck for help with the German in the Manual.

WI-DI: S2

OSN 43/1316

More on GLORIA Ebay photos of a GLORIA 1 set from this small German system were shown in 28/839. Now thanks to Jan Ringnald more information is to hand from a set, again a No.1, which he was able to examine, courtesy of its owner, Erik Beek.

The packaging is the same as the OSN 28 example, and the parts too, but their holes are 2.9mm Ø at 6.0mm pitch, and are thus much smaller than the 4 & 10mm mooted as possible earlier. The parts found in the Set are listed below, with explanatory notes as necessary to supplement the OSN 28 account. All the sheet metal parts are .88mm thick.

Strips: 8,8,8,6,12,5,10,6,10,10,8 of 25,21,15,13,11,10,8,7, 6,5,4h. 1 A/G (below), 7h long with arms 6.9*8.3mm (2 were in a set seen on Ebay). **DAS:** 2,6,4,8 of 1*4,5,6,7*1h. 1 **Single Bent Strip** (right), 19.3mm long o/a (the possible 1*2h A/B in OSN 28). 1 **Bush Wheel,**

FIG. 1

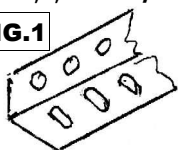


FIG. 2

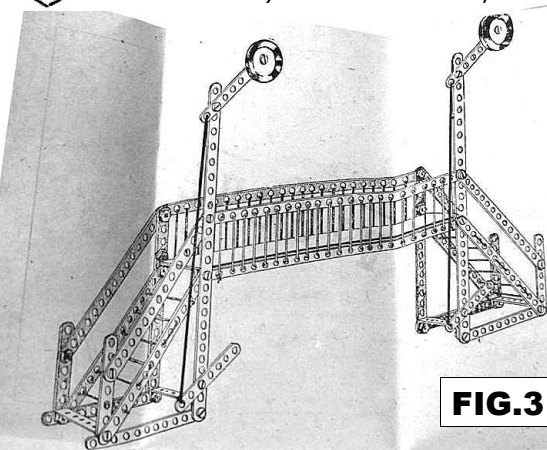
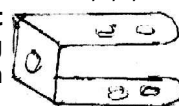


FIG. 3

with a 19.3mm Ø, 4h disc, & a 6.5mm Ø boss. **Pulleys:** 1,2,14 of 25.6, 18.6, 10.5mm Ø. The 10.5mm has no boss & looks to be zinc. **Collars,** 5mm long: 3,4 of 6.5, 5.9mm Ø, the latter with a 4.6mm Ø spigot, 1.4mm deep. **Spacers,** 5.9mm Ø: 3 each of 2.5 & 2.7mm wide. **Axles,** 2.0mm Ø: 1 each 150,52.5,31.3mm long. 2 **Crank Handles,** 45mm long o/a. **N&B, M2:** 40,6,3 Bolts, 5,10,12mm long; 55 Nuts, 6mm A/F.

Of the 5 sets seen on Ebay (all No.1), 4 have the model leaflet shown in OSN 28. It is a single folded sheet with the inside below. The leaflet in the remaining set also consists of a single sheet, but much larger and folded to give a landscape format, and then folded into three to fit into the box. Its cover design is the same as the lid label; Fig.3 is the Ebay photo of its inner face.

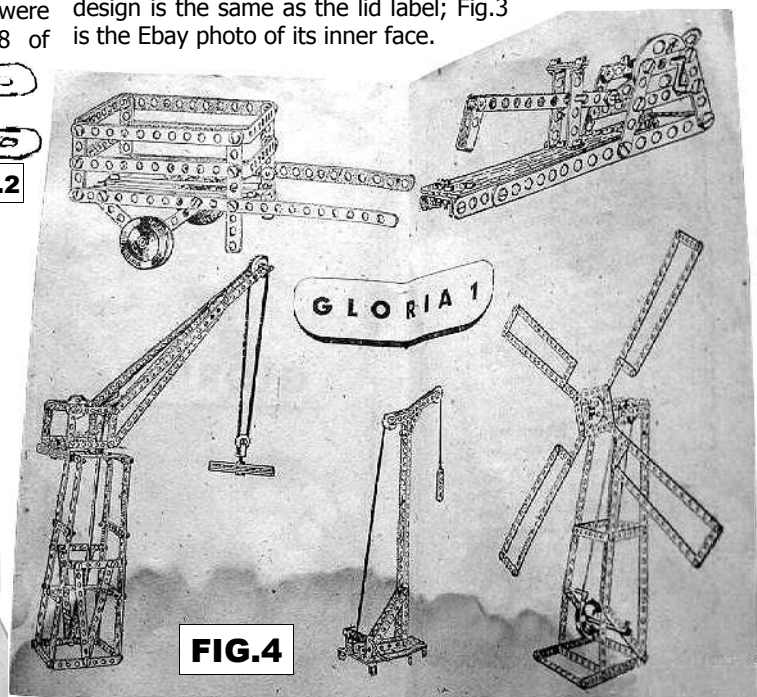


FIG. 4