

**BERGSTADT** So far all that has been recorded on this German system is the brief entry in MCS which talks of Sets A & B with aluminium parts. A date of about 1960 is given, but an earlier date would be no surprise. Nothing is known of the maker except that one Ebay offer mentions Kuhnert & Bergfeld, of Lüdenscheid, Westfalen. Said town is 60km north-east of Cologne and there is a village called Bergstadt about half way between the two, but no other connection. Bergstadt literally means mountain town but the country around the village above doesn't seem to be mountainous, so perhaps the name simply fits the 'chocolate box' image on the lid (Fig.1).

The two sets to hand are the basic outfit A and the add-on set B. This note is based on them, each probably near complete but without manuals, plus Ebay photos of some other outfits, 6 of A and 5 of B.

**The PARTS** Most are aluminium, but some, particularly in Set B are steel, and these are noted in what follows. **Holes** are at 14.0mm pitch with most 4.2mm Ø but those in the Plates, A/Gs, & Face Plate are 4.4mm. The only slotted hole is in the A/B, 6.8mm long. The **thread** is M4. **Bosses** are aluminium with recessed peening; they are 9.9-10.0mm Ø, bore 4.1mm (a few 4.2mm), and are, except where stated, single-tapped. The **Gears** are Mod.1. **Strip parts** are 13.0-13.1mm wide with almost fully rounded ends. **Quality.** The parts are generally well & accurately made though the Gear & Pinion have a tight spot when running at 2-hole pitch centres.

All the different parts are shown in Fig.2 except that only one length of Strip, Plate, Axle, & A/G is included. All will be listed below with quantities, as found, in curly brackets.

**Set A.** • **Strips**, 3,5,6,11h {4,11,5,10}. • **A/B**, about 13.9\*13.1mm o/a with the slot in either the short or long lug {10}. • **Flanged Plates**, 5\*5 & 5\*11h, with square corners. • **Pulleys. Fast:** 24.2mm Ø nickelled steel discs, & typically 5¾mm wide {4}; **Loose:** 19.1mm Ø & 4.8mm wide. • **Axles**, 4.0mm Ø steel with near square ends, 50 & 105mm {1,2}. • **Crank Handle**, steel, 113mm o/a with 78mm of the shaft threaded {1}. • **Collar**, 10.0mm Ø, 7¼mm wide {2}. • **Screwdriver**, 87mm long, made of 3mm wire. • **N&B. Bolts:** aluminium, 7.3mm Ø RH, 7½mm u/h {29}; nickelled steel, 6.8mm Ø RH or CH, 24¾mm u/h {2,1}. **Nut**, machined brass, 8.0mm A/F, 2-2¼mm thick {34}. Set Screw, nickelled steel, 7.0mm Ø RH, 5¾mm u/h {6}.

**Set B.** • **A/G**, 5,11h long, typically 14¼\*13¾-14¼mm o/a, with square corners {2,4}. • **A/B**, 2\*1h, nickelled steel {2}. • **DAS**, 1\*5\*1h, nickelled steel {2}. • **Reverse A/B**, nickelled steel {2}. • **Gears** (double-tapped except the Gear Wheel). **Pinion**, 14t, 4mm wide face with integral boss {2}; **Gear Wheel**, 42t {1}; **Contrate**, 42t {1}. • **Face Plate**, 68mm Ø, 1.2mm thick steel disc painted orange {4}. • **Rubber Ring**, 32mm o.d., 6½mm thick, now hard but would have needed considerable stretching to fit the Set A 24mm Pulley {4}. • **Collar**, 9.0mm Ø, 8½mm wide {1}. • **Axles**, 110, 115mm, as in Set A but 3.9mm Ø {2,1}. • **Crank Handle**, as in Set A but with no thread. • **N&B. Bolts:** aluminium, as Set A but 8mm u/h {26}; nickelled steel, 7.0mm Ø CH, 24½mm u/h {4}. **Nut**, pressed



FIG.1

steel, perhaps nickelled, 8.0mm A/F, 2mm thick {26}. **Set Screws:** as Set A for Face Plate and Contrate {5}; aluminium, 5.1mm Ø CH, 3¾mm u/h for Collar {1}. **Grub Screws** for the Pinion & Gear Wheel, steel, 7¼ & 11mm long o/a, but the 11mm is only threaded over about half its length, leaving a 4mm Ø shank {2,1}.

**The SETS** Both the A & B outfits are in similar boxes, 26¼\*16¼\*2cm, and have similar lids. Left the A; the B has 'ERGÄNZ-

UNGS-' above 'Metallbaukasten' and the model is replaced by the one in Fig.4. In each set the small parts are in a blue-grey box, 6¼\*4¼\*1½cm, as in Fig.3. Otherwise the internal packaging is missing from both boxes but there is no evidence of partitioning and the parts may well have been attached to a card, as in Fig.3 and several of the other Ebay sets.

On the contents of the Sets, although, apart from the Hook, the model on the A lid could be made from the parts found in Set A, the odd number of 5 & 6h Strips looks a little suspicious. And perhaps there would have been a Spanner, as in the Fig.3 outfit, though only one of other Ebay sets has one, and it has the same, unusual, '2-model' type of lid, see later. The Set B lid model (Fig.4) would need an additional 5\*11h Flanged Plate in the base, and several of the Ebay B outfits seen do contain one. Also 1\*3h A/Bs are shown supporting the lower Crank Handle, though 1\*2h would suffice.

**The EBAY SETS** The background colour of the lid labels is variously the green of Fig.1, yellow, fawn, & a pale grey. Two A sets have a larger, slightly different lid of the pattern in Fig.3, probably a later variant.

All the parts in two A sets are aluminium. In the other outfits Pulleys, Gears, & A/Gs are always aluminium, as are most of the Strips, but a few of them are nickel and so are many of the DAS & Brackets. In one set (Fig.3) the Strips are painted. Apart from the all-aluminium sets the Flanged Plates

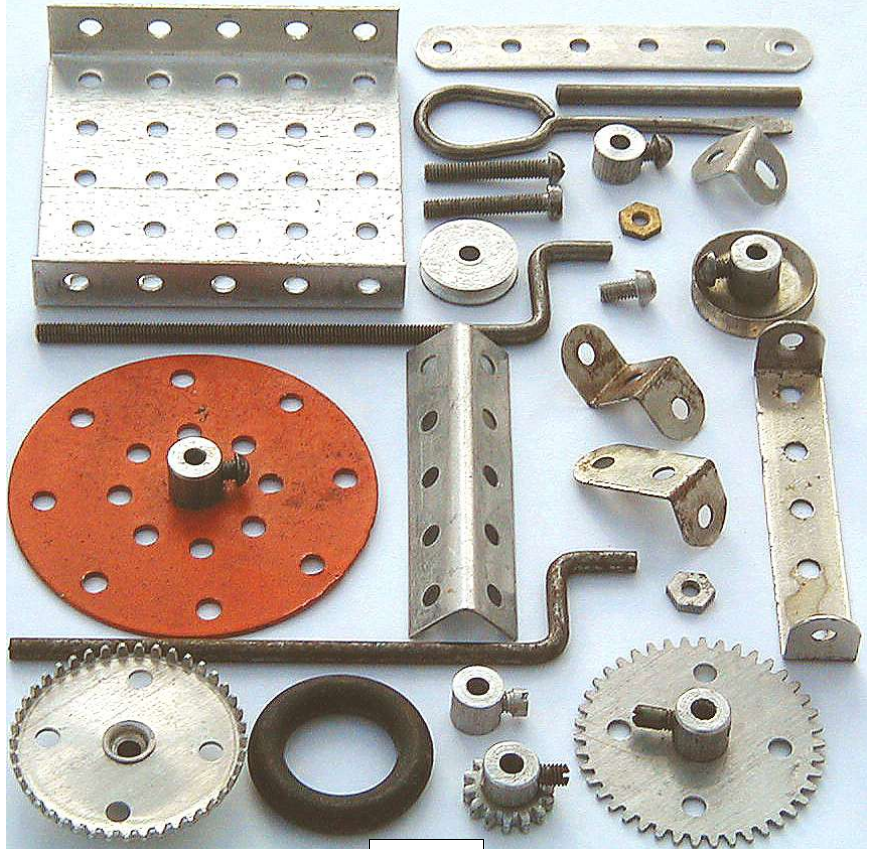


FIG.2



FIG.3



FIG.4

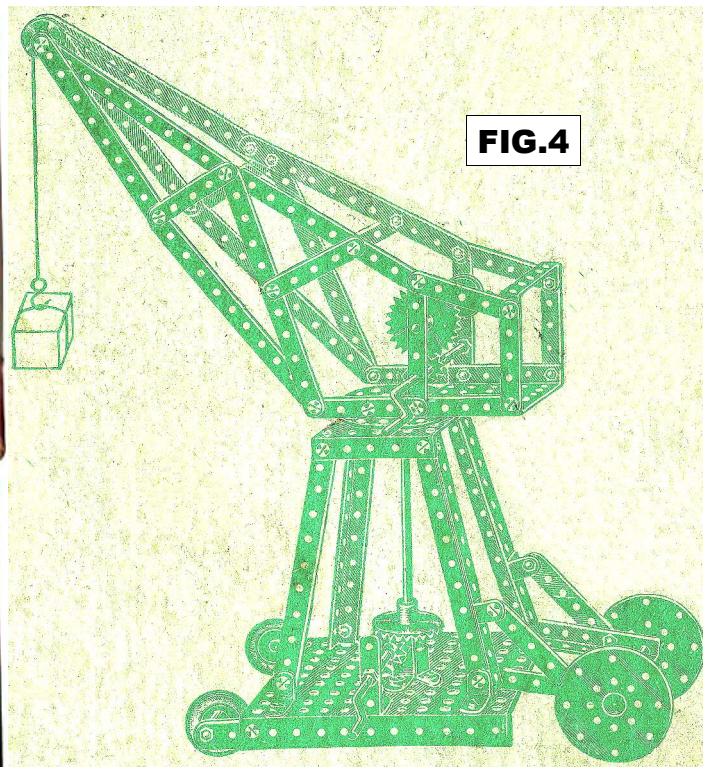


FIG.5



are nickel in one A & two B sets, and painted in 2 of each size. In these the 5\*11h are dark red, the 5\*5h either blue or dark green. The Face Plates are variously nickel, orange, olive green or dark grey.

The different material & finish don't correlate with the changes in the lids' colour & pattern but it's probably fair to say that nickel & paint displaced aluminium as time went on.

The contents of the Fig.3 set correspond to those found in the subject outfit except for the Spanner and possibly it has fewer of 5 & 6h Strips – perhaps some are stacked, though none appear to be in the photo.

**The MANUAL** 5 of the Ebay sets, 3 A's & 2 B's, had a manual with them, but only the front page, as in Fig.3, was shown. It was the same in each case with a subheading saying that it was for Sets A & B. In one photo it could be seen from the text that it included 8 models for Set A and 1 which would also need Set B – perhaps the one on the lid (Fig.4).

**POSTSCRIPT** An Ebay photo in a mixed lot is shown above and looks to be half of a sheet which would fold into four (perhaps also the format of the other manuals). The Crane on the left is most probably the one on the B lid. or similar, and, as might be expected from the B between the models, the one on the right would also need Set B parts. So, a different manual from the one noted earlier.

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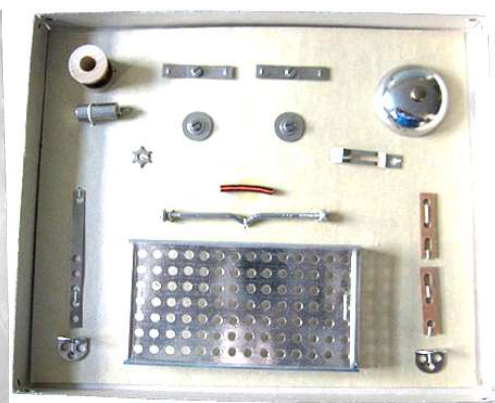
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### Snippets. More TEKNOSET.

Following on from 38/1139, photos of 3 more items of interest have been spotted.

The first was an empty **No.5** box, blue with a label which covered most of the lid, and identical to the one on the Sets 1–3 in OSN 38, except that it had just '5' in the circle bottom right without the preceding 'No.'

The second, the **Elektro** add-on outfit right. Apart from the name the label is the same as the one for the Special Gears Set described in OSN 38. The parts match those of the TRIX Unit E, except that the Commutator has 6 'teeth' instead of 4; there is no Lamp Holder; and there are 2 each of Large & Small Washers instead of 4 Small ones. The Unit E's N&B are used to attach the top 4 centre items to



the backing card, plus a Nut at each end of the Crank Axle.

Finally, a photo of the front of a Leaflet for the **Special** set. It is in a similar style to the No.3 top right in OSN 38 and shows all the parts that were in the Unit G except the NBW.

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