

# Operating manual for the living tent supporter

## "Camp tourist 5" 1972

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### 0. Technical data

#### 0.1 Measures (Fahrbereit)

Overall length	2950 mm
Installation length	2220 mm
Width	1540 mm
Height	850 mm

#### 0.2 Measures (Supporter built up)

Overall length (with Vorzelt)	3780 mm
Width	4000 mm
Height	2120 mm

#### 0.3 Measures (Tent base)

Main tent	7,75 m <sup>2</sup>
Vorzelt	9,10 m <sup>2</sup>

#### 0.4 Measures (Sleep face)

Sunbathing area	2000 x 1750 mm
Lower shelf	1650 x 1000 mm

#### 0.5 Measures

Empty measures	280 kg
User measures	120 kg
at last dimension elements	400 kg

#### 0.6 Chassis

- Frame: Central tube with cross girders
- Resilience: Transverse simple leaf spring
- Damping: Telescope damper 2 140-65/30 TGL 8114
- Wheel suspension: Knee action suspension led through triangular steering wheels in Silentbuchsen.
- Wheel storage: each 2 pieces of deep groove ball bearings 6206-C3 TGL 2981
- Wheels: Disk wheel 4 J x 13 / 35 TGL 10521
- Tire: 5,20 x 13 (4PR) TGL 6499 BI 1
- Tyre pressure: 1,2 at (Overpressure)
- Ball clutch: Clutch diameters 50 mm

## 0.7 Lamp population:

- Flashing light: Ball pear 12 V 21 W of Ba of 15 S
- Stop light: Ball pear 12 V, 21 W of Ba of 15 S
- Tail light: Ball pear 12 V 5 W Ba 15
- Characteristic light: Border 12 V, 5 W, S 8,5

0.8 You think the chassis number of the central tube in front to the right, the type designation plate at the right sidewall.

0.9 Denomination "to the right" and "to the left" understands eich in driving direction seenly.

**Changes in construction and equipment are reserved.**

## 1. Table of contents of the accessories

1.1 Vorzelt	1 piece
1.2 Camping-poles	1 sentence (= 8 parts)
1.3 Wheel hub cap	2 pieces
1.4 Socket (7-polar)	1 piece
1.5 Crank	1 piece
1.6 Tent herrings 24 cm	11 pieces
1.7 Tent herrings 19 cm	20 pieces
1.8 Earth nails	30 pieces
1.9 Tent ropes	8 pieces
1.10 Curtain including. On hängespiralen	2 pieces
1.11 Curtains	4 pieces
1.12 Key	4 pieces
1.13 Propane light including hose	1 piece
1.14 Card staker	1 piece
1.15 Propangasflasche including regulator, Verteilerventil and hose	1 piece
1.16 Propane cooker "Campy 75"	1 piece
1.17 Characteristic board	1 piece

1.2 The accessories 1,1st until 1.13. are in the front stowage. The parts 1.15. until 1.17. are in the supporter mounted.

1.3 For the propane cooker and the ball clutch KK 71 separate operating manuals are enclosed.

## 2. Putting on at the tractive unit

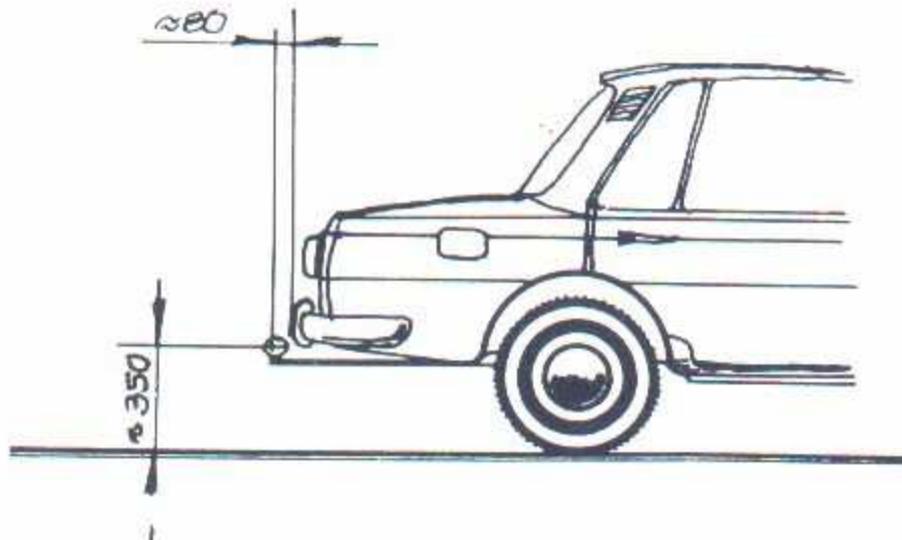


Fig. 1

2.1 The supporter train appliance is to be attached to the tractive unit according to the measures of the fig. 1. It is to be noticed in this case that only getypte supporter train appliances may be used.

2.2 The 7-point socket supplied with every supporter is to be attached to the tractive unit near the clutch ball. The connection of the socket must occur according to the circuit diagram. You check please, that the tension of the electro-installation of the tractive unit and the supporter agree. If this is not the case, the

incandescent lamps of the supporter must be exchanged. Work-Sided the supporters are equipped with 12 V incandescent lamps.

2.2.1 The connection of the socket has to occur through copper conductors with a cross-section of 1 mm<sup>2</sup>. The earth wire (no. 31) must be connected with a cross-section by 1,5 mm<sup>2</sup>.

2.2.2 Please notice that the flashing unit in series built-in in the Pkw is not suitable for the driving with supporter. The power output of this flashing unit is only for two flashlights laid out so that the flashing unit is overloaded by the connection of a third light and so that the flashing frequency demanded in the conditions for approval of the DAMW is not kept anymore.

For this reason a Zweikreisblinkanlage which guarantees that the driver can control the serviceability of the flashlights of the supporter during the journey through a separate control humidity is to be installed in the Pkw.

2.3 The switching of the supporter is exported according to following circuit diagram.

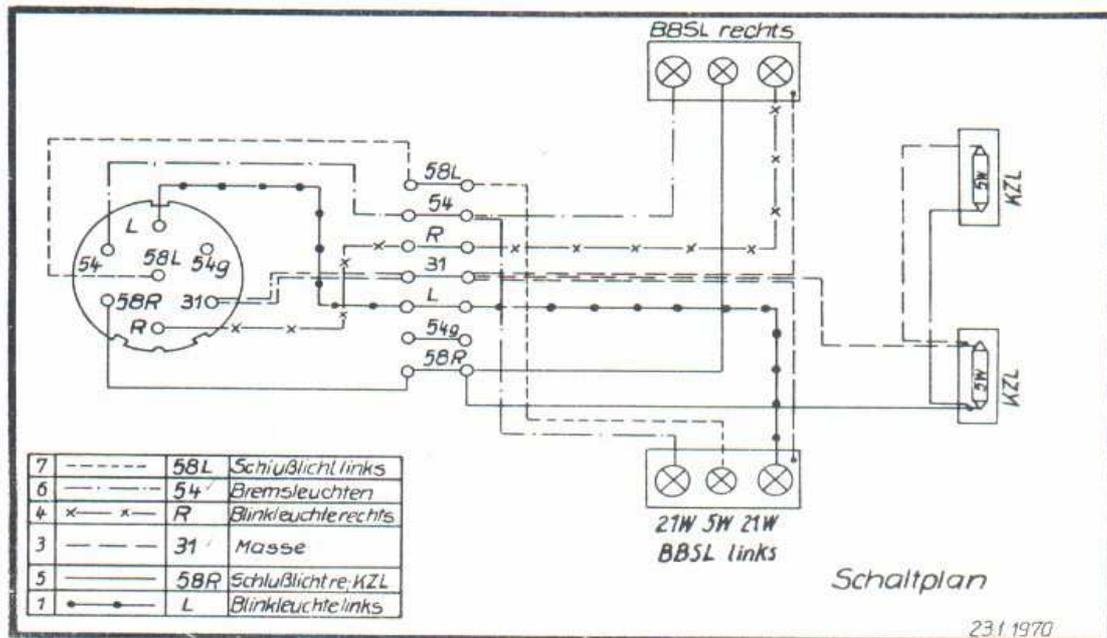


Fig. 2

2.4 The ball clutch allows a simple and secure attaching at the vehicle. The supporter is convinced in this case of the vehicle. Pay attention to the proper engagement of the protection bolt.

After by means of the connecting cable the electric supply to the supporter was manufactured, his function is to be checked. The depending of the supporter happens in reverse precedence.

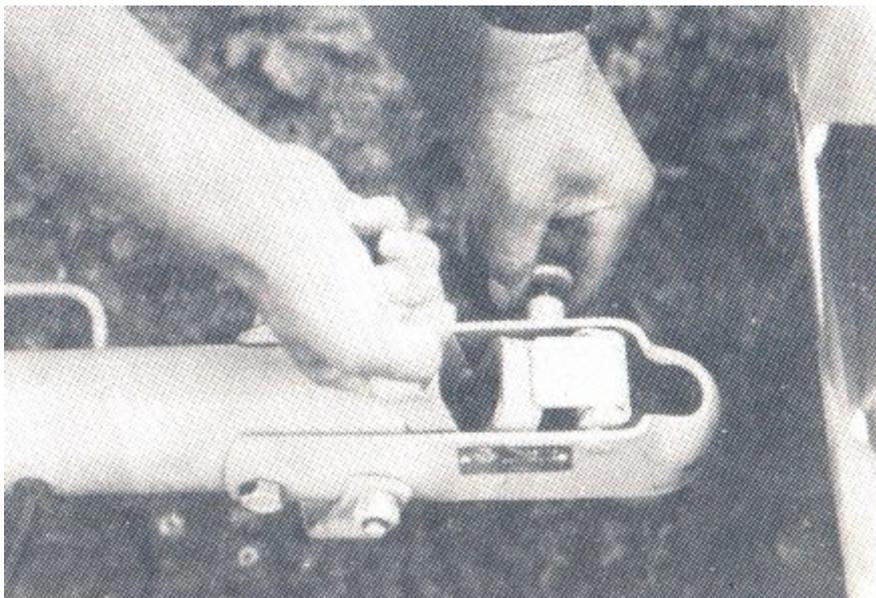


Fig. 3

### 3. Remarks on the driving with supporter

3.1 The permissible top speed for a Pkw with supporter is 80 k.p.h..

- 3.2 The braking distances of your vehicle are increased by the carrying along of a supporter.
- 3.3 Consider please that your vehicle with supporter has almost the double length. Attention is to be paid to this especially during the refiling after the overhauling and with curves.
- 3.4 The acceleration of your vehicle will go through supporters reduced.
- 3.5 Avoid sudden change in direction (Oversteer) during the driving with supporter.
- 3.6 At Mitführung of filled gas cylinders the bottle valves are to be closed during the journey.
- 3.7 Notice that before the journey all castles are to be locked.
- 3.8 With Einachsenanhänger the loading-manner is decisive for their going-properties. Pay attention to the loading-pattern therefore.

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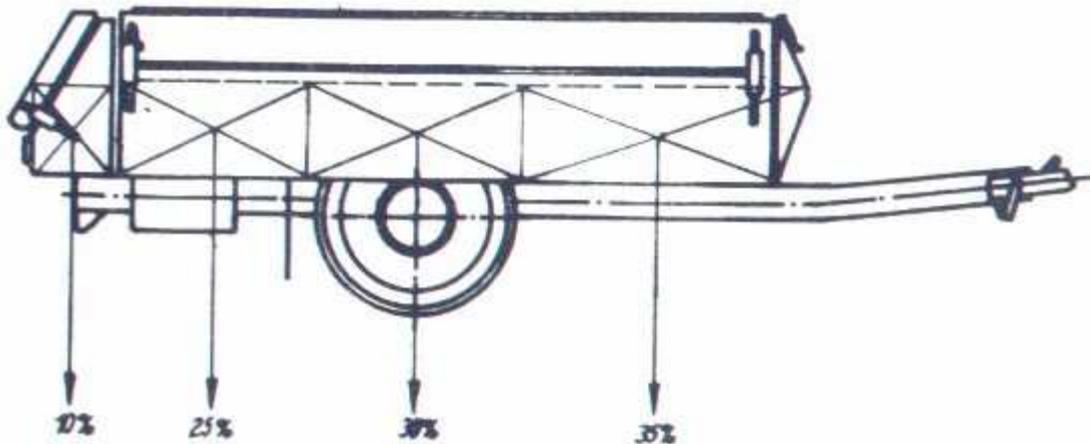


Fig. 4

Following points ask you for paying attention we:

- Loading difficult objects as deeply as possible
- to carry out the weight distribution so that both wheels are loaded evenly.
- the loading-good is to be stored so that weight shifts are avoided during the journey.

#### 4. Construction instructions

- 4.1 Choose a flat place as state place for your living tent supporter. The back of the supporter forms the input and should point in southern direction.
- 4.2 After the supporter was detached by the tractive unit, the crank is taken from the front stowage for the pillars.
- 4.3 In order to give the supporter the corresponding stability, the 4 crank pillars made to the ground are turned away according to the ground relations only so far that the suspender is certain. For the relieving of the wheels the crank pillars are not suitable. The crank is to be led according to the figure 5 with the hand.

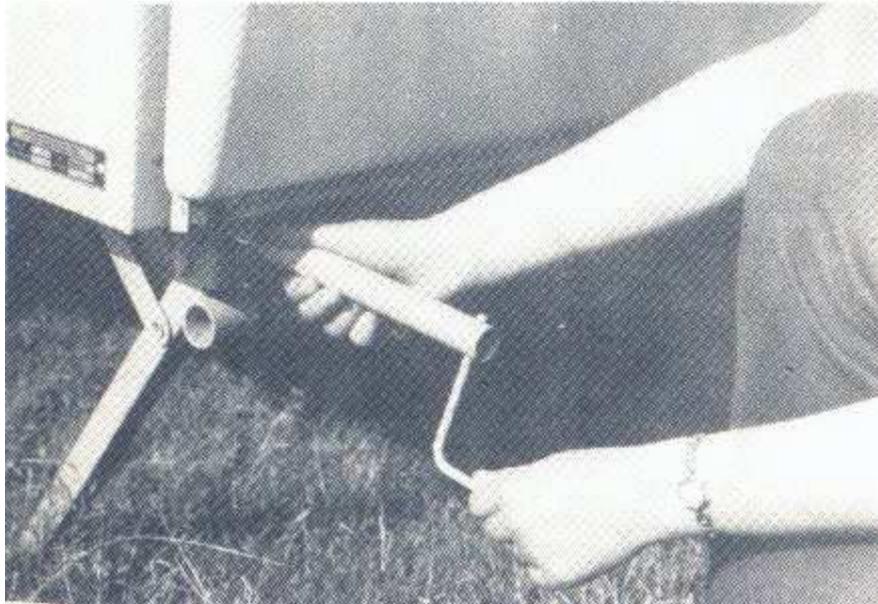


Fig. 5

4.4 The two preset shutters of the lid are opened and opened this according to the figure 6.



Fig. 6

4.4.1 To the protection from harm of the lid outer side it is recommended to suppress some strips or a piece plastic film.

4.4.2 Please pay attention to regular fixed edition of the lid.

4.5 Now you can begin with the construction of the tent. The above available tent graphite iron with plate is lifted according to figure 7. This process must be carried out cautiously in order to avoid tent harm (fig. 8). Simultaneously the central graphite iron surrenders in this case with on (fig. 9). Tent graphite iron with plate is hooked according to figure 10 into the two breaks attached in the lid and raised,



Fig. 7



Fig. 8



Fig. 9

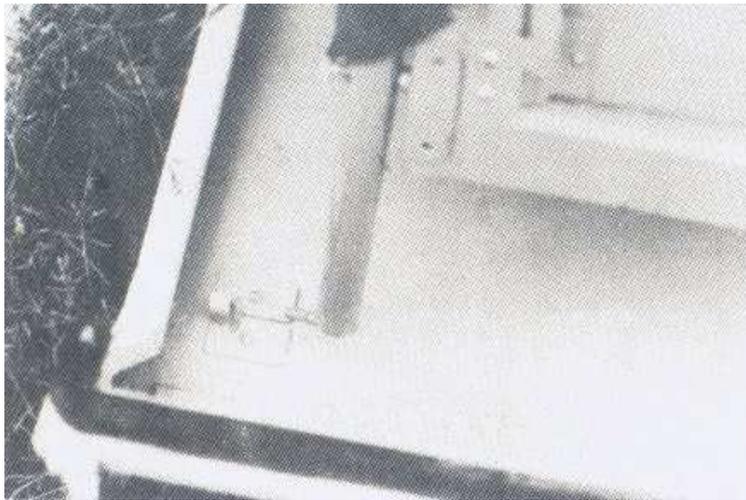


Fig. 10

4.5.1 To become as next gotten up the raw pillars of the lower shelf plate and waved the plate to the ground. Up to the storing of the plate the graphite iron must be held through a person.



Fig. 11

4.5.2 The head assembly attached to the right sidewall by means of hinge is waved to the outside and hung up the three pillars into the break angles. In this case the head assembly graphite iron got up automatically.



Fig. 12

4.5.3 Then that one is taken off less than up 4.5 mentioned tent graphite iron until the hilltops of the torsion springs engage into the lower drilling. (Fig. 13) At this place the tent tension is corrected to occurred construction again.



Fig. 13

4.5.4 In the interior of the suspender the central graphite iron is pressed now up until the torsion spring hilltops engage into the drilling.

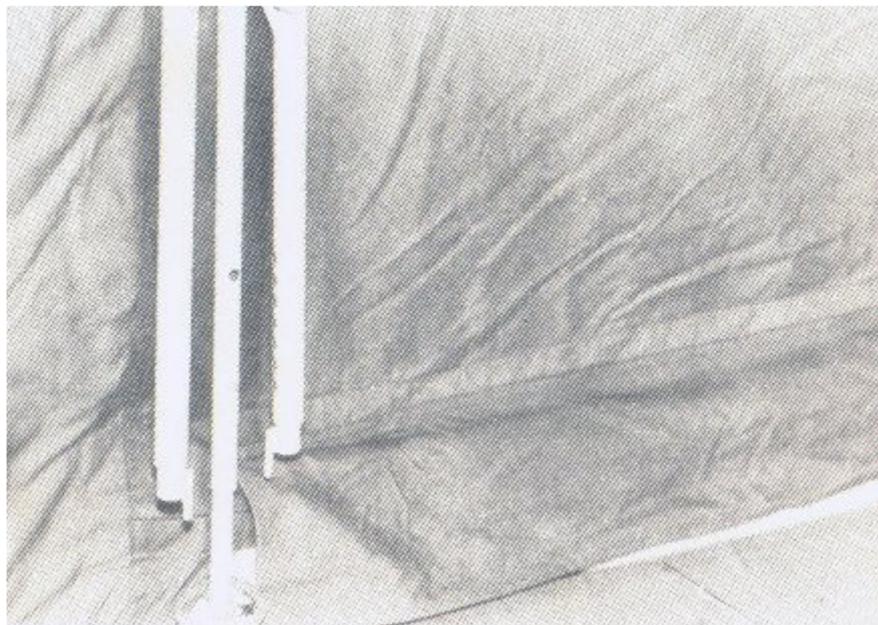


Fig. 14

4.5.5 That in fig. 14 recognizable agile fortified to the Mittelspiegel telescope bar linkages are waved to the head assembly and/or boron plate graphite iron, taken off and put into the available drilling. In this way the tent-roof is spread out to both pages evenly tightly.

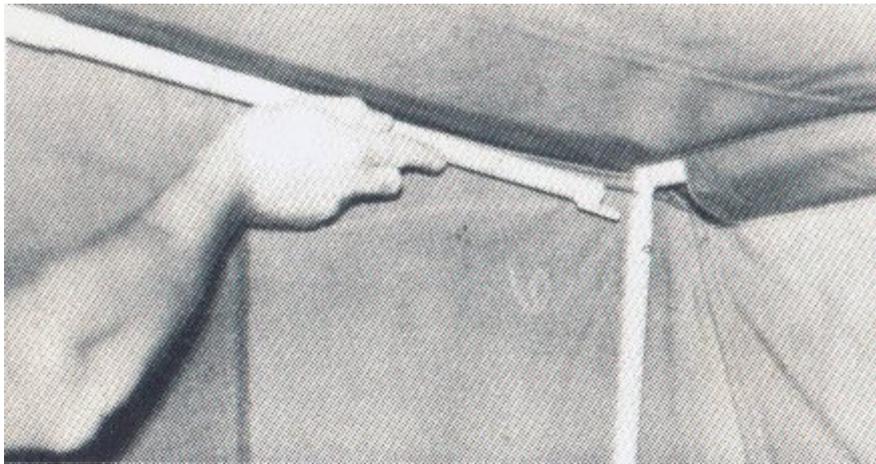


Fig. 15

4.5.6 On both sides of the sunbathing area (fig. 16) as well as at the edges of the lid the tent pages are to hang up and to press the attached push-buttons.

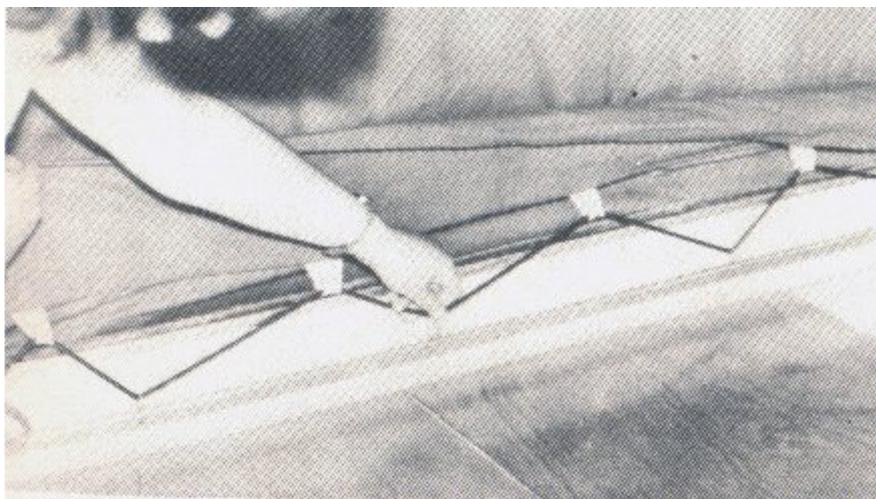


Fig. 16

4.5.7 Now the tent ground stripe is attached through earth nails to the ground.

4.5.8 The plate being enclosed in the supporter is used as a card stacker. Is put in this into the drilling of the left tent graphite iron and fortified through two knurled nuts. Two catch bands put push-buttons on prevent the lateral tilting of the file.

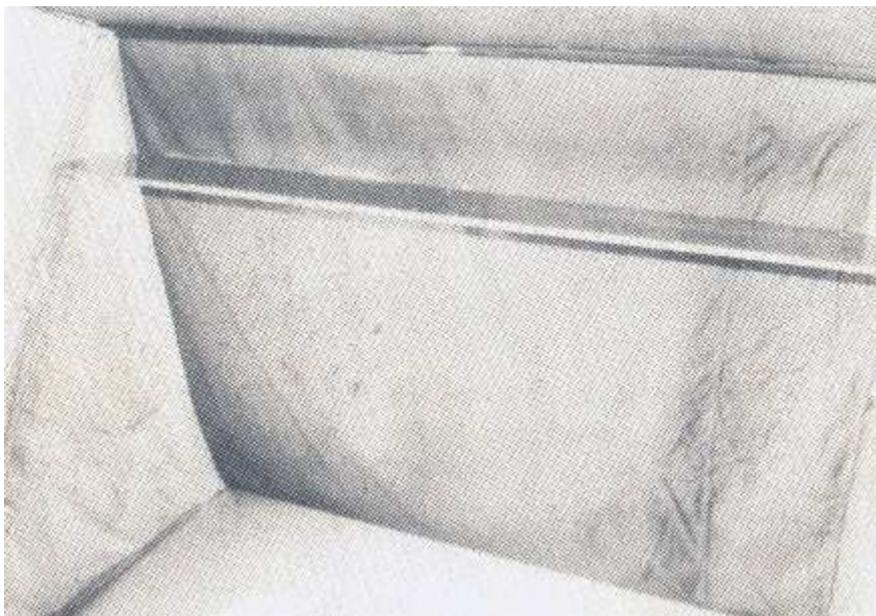


Fig. 17

4.6 The **camping-roof** lies in a mirror-inverted way on the roof of the **main tent**. If you intend to remain on the campsite possibly only for an overnight stay, you need to measure the **camping-roof** only with some **instep ropes** and **tent herrings** to the **ground** (the construction of the **Vorzelt** is described under point 5 of these instructions).

4.7 The fixing of the curtains and the **Maintentstore** appertains to the homely arranging of the **main tent**. The attached **fobbing spirals** are shifted by the **hem** of the curtains (two parts) and hung up as it shows fig. 18, in the bar linkage. The second curtain is attached so that it closes with the front edge of the lower **shelf plate**.



Fig. 18

4.7.1. The **main tent curtain** is put **Schnuren**, rubber bands and wire hooks as well as a gag on. The rubber bands are wound on both sides of the window around the tent poles and hanged. The gag is put through the middle **tent eye** that is incorporated at the upper window edge and gives thus the curtain a good **passport ability**. (Fig. 19)

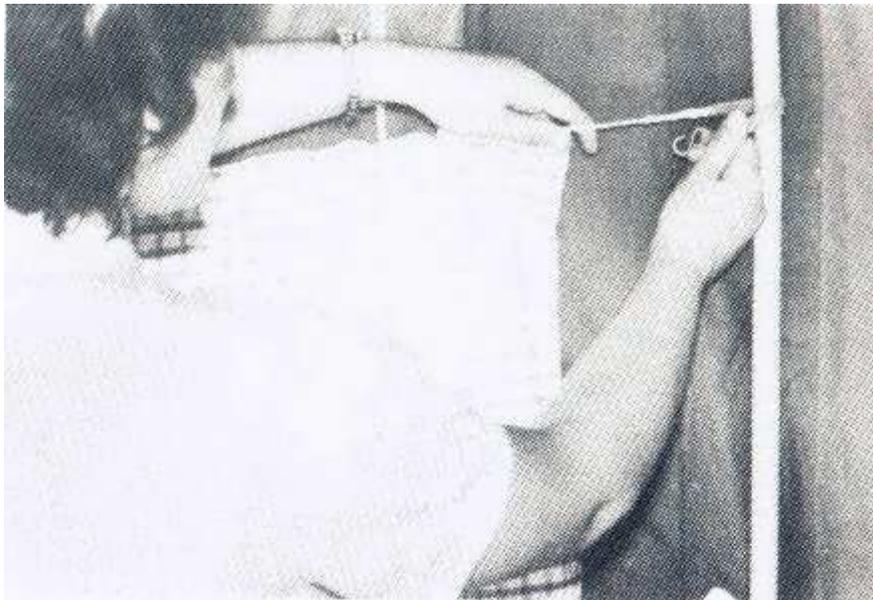


Fig. 19

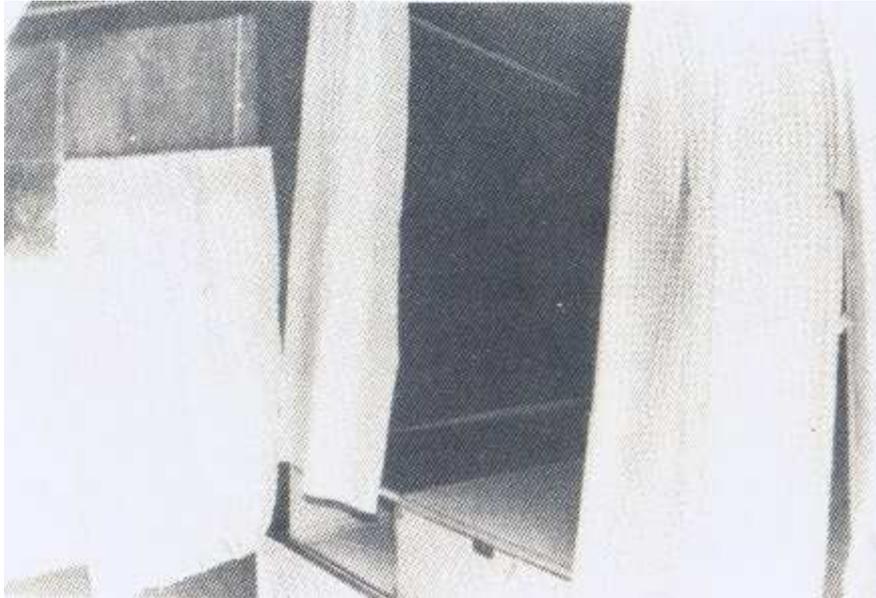


Fig. 20

4.8 The **disassembly** occurs correspondingly in **reverse precedence**. Notice in this case that in the case of folding of the tent the lengths of material as well as possible distributes and smoothly to the lying come please.



Fig. 21

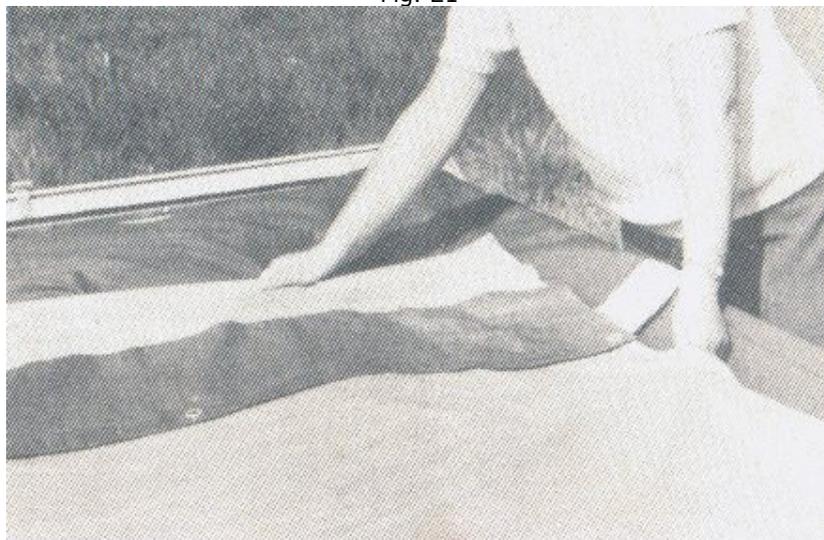


Fig. 22

## 5 construction of the **Vorzelt**

5.1 First of all you take the **camping bar linkage parts** from the front stowage and these sort according to the **bar linkage plan**.

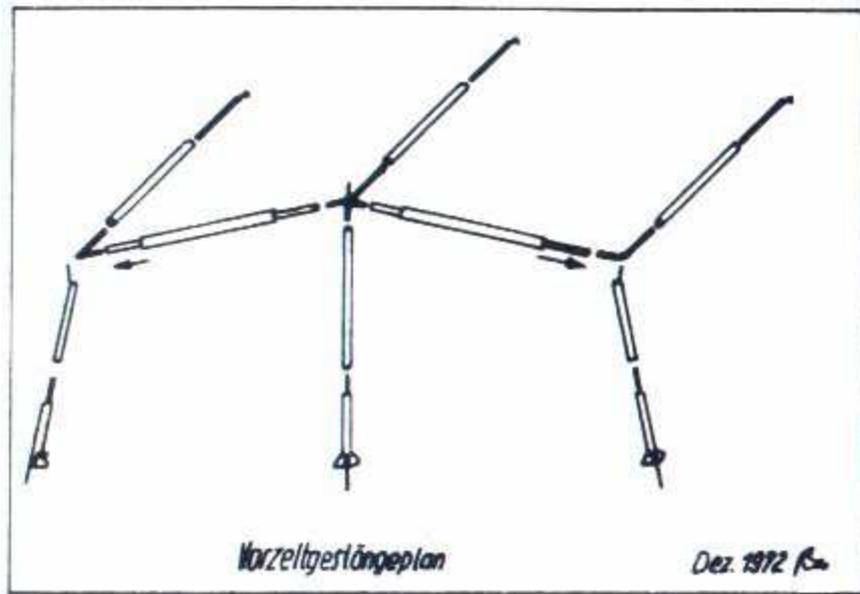


Fig. 23

5.2 The **prolongation** of the **central graphite iron** including the **normal central pole** is hung up at the **main tent bar linkage**.



Fig. 24

5.3 You **beat** the **Vorzelt** lying on the **main tent-roof** to the back.



Fig. 25

5.4 You would bring in the prolongation of the left and right tent graphite iron into the bags sewn in in the Vorzelt and hang up the poles into the drilling in the main tent bar linkage.

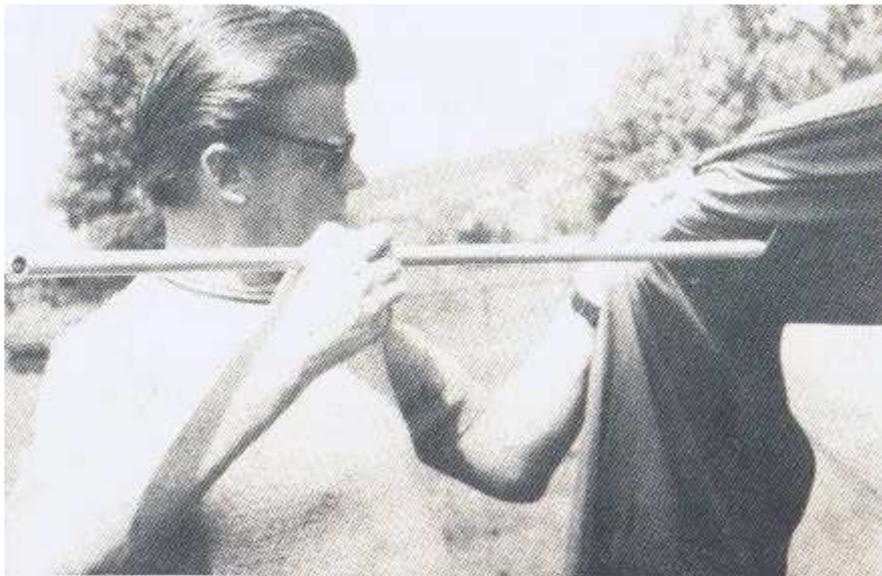


Fig. 26

5.5 The lateral roof poles are supported by the two corner poles.

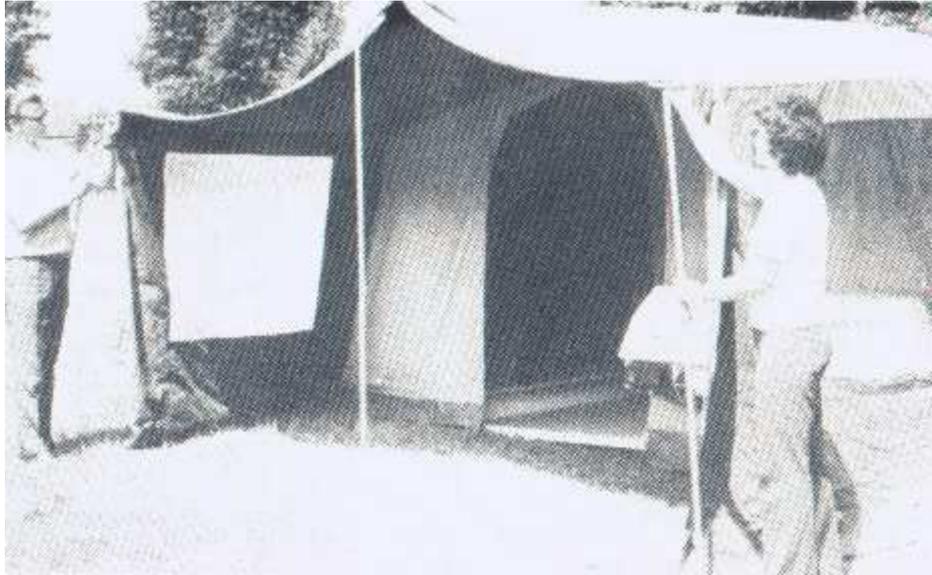


Fig. 27

5.6 Then the two gable poles are imported in the bags sewn in at the Vorzelt and connected with the other bar linkage parts. The rubber disks available on the bar linkage tops are removed, pulled the camping-roof about the bar linkage tops and these rubber disks again above pressed, around one Rain avoid.

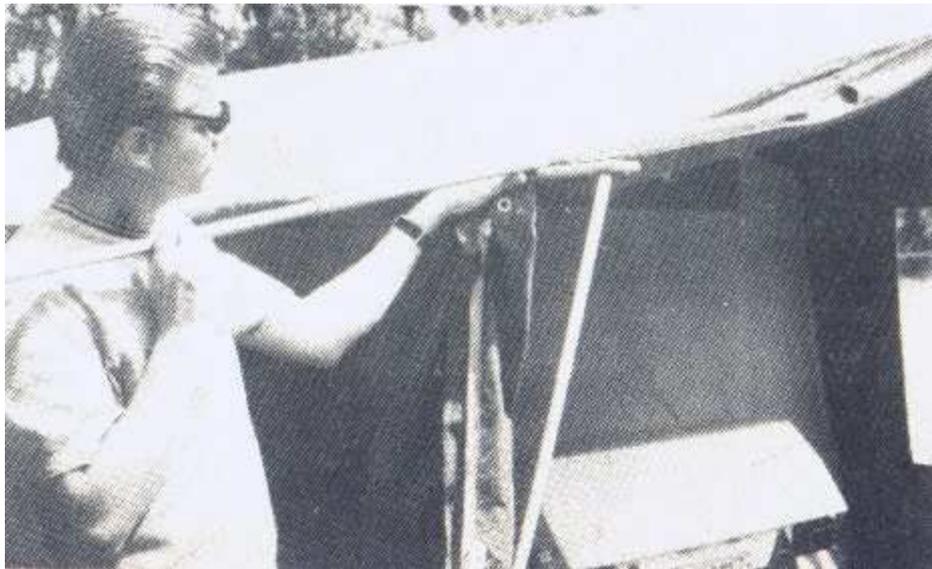


Fig. 28

5.7 The telescope-like construction of the bar linkage parts makes it possible to unhitch the roof railways in variable form.

5.8 The camping-gable is used by means of zip-fasteners.



Fig. 29

5.9 Now the fixing of the **Vorzelt**es with the **ground** occurs through the supplied **tent herrings**. You attach the **tent ground stripe** with **earth nails**.



Fig. 30

5.10 For the further improvement of the stability the 8 **instep ropes** are hanged and anchored through the big **tent herrings** at the **ground**. At the **main tent** 5 loops are sewn in for the **instep ropes**, at the **Vorzelt** the 3 **instep ropes** are hung up into the **bar linkage tops**.



Fig. 31

- 5.11 You pay attention please during the construction of the Head- and tip following **Vorzelt**:
- 5.11.1 Through **water influence** (Rain, dew, fog) the tension of the **tent material** increases itself. **With too great** tension the **tent material** can tear or suffer from the effectiveness of the zip-fasteners. For damages which are caused by nonobservance of these circumstances, important for the **camping friend**, the manufacturer does not take over any **liability!**
- 5.12 The fixing of the curtains completes the **camping-construction**. The curtains are put **Schnuren**, rubber bands and wire hooks on and are attached in each case to the **tent bar linkage** by **Umschlingen**. At the two side windows is ever a **flap** below for the **curtain fixing** sewn on.
- 5.13 On the **figure** 32 the **camp tourist** is to be seen built up with **Vorzelt**.



Fig. 32

- 5.14. The **disassembly** of the **Vorzelt** occurs correspondingly in **reverse precedence**.

## **6 cook installation**

- 6.1 The **cook installation** is let both at **fahrbereitem** than also with **living tent supporter** built up are useful. After the two **fasteners** of the **cooker room lid** were opened, the lid is turned up. Simultaneously the work top with mounted two-flamy gas ring swivels in this case. The four **diagonal braces** of the work top and the **cooker room lid** are pressed into end position and prevent thus **back lids** of the **cooker room lid**.



Fig. 33

6.2 As a source of energy of the cook installation one is 3 kg propane bottle built-in. Above a pressure regulator from 300 mm of WS and a distributor valve with corresponding hose connections the gas is supplied to the cooker.

6.2.1. The free connection at the distributor valve is planned for the propane light. A substitution of the gas cylinder occurs from the back of the supporter with opened cook installation.



Fig. 34

6.2.2 The opened cooker room lid forms a wind and flame protection simultaneously.

The room lying under the work top is planned for the accommodation of the kitchen objects.

6.2.3 At longer nonuse of the gas installation as well as during the journey you should twist unconditional the bottle valve through Right close,

6.4 Notice please that only such devices whose connecting hoses are put same threaded connection on (1/4 customs to the left) are connected.

6.4.1 Before use of the gas installation proper connection is to be checked for:

- a) Pressure regulator at the gas cylinder
- b) Distributor valve at the pressure regulator
- c) Gas hose at the distributor valve
- d) Gas hose at the cooker
- e) possible accessory at the distributor valve

6.4.2 If you have not connected any additional gas devices, you notice please that at the distributor valve only the connected valve page is opened.

6.5 A c h t u n g. pneumatic regulators and hose connections are put lefthand thread on.

## 7 use possibilities

7.1 For the accommodation of the baggage are three planned under the sunbathing area of available stowage. The front stowage is the rear one **zugänglich** when the **stowage lid** is opened after opening of the **cooker room lid** and removing of the two-part partition between jam and **cooker room**. The middle stowage lies between the **wheel wells** and is **zugänglich** only near tent built up, Dort the **objects** should be packed, that do not need you before **according to** arrival at the campsite.

7.1.1 Near tent built up the **central stowage** is used for the accommodation of the articles of value, a special safety lock is mounted.

7.2 The sunbathing area of the supporter is subdivided and is **made** change into a comfortable group seated at a table quickly. The two **seat parts** can be put into the planned gaps and show two seats with **back**.

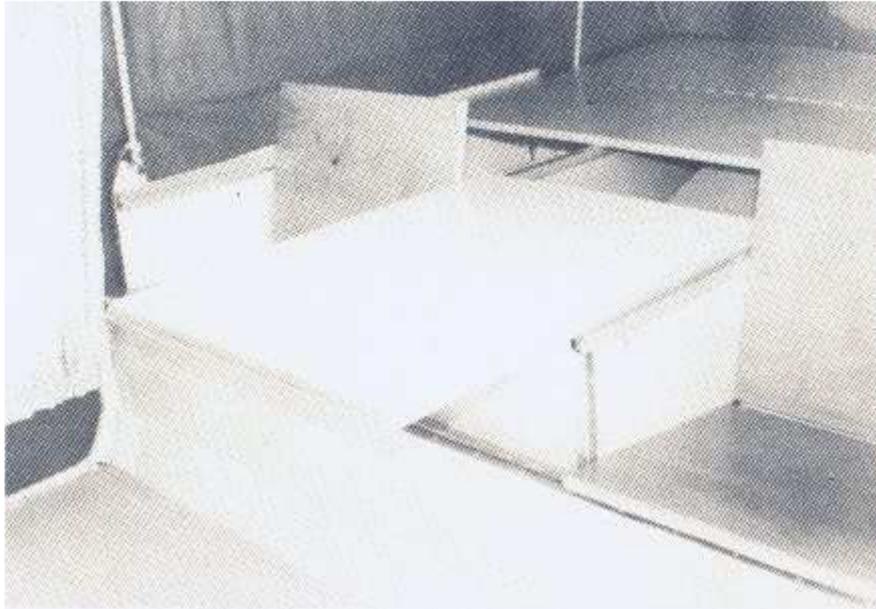


Fig. 35

7.2.1 The middle part of the sunbathing area forms the table. After opening of the safety lock the table can be pulled out. A **band** made under the table blocked in the end position. For the **loading** of the **central stowage** you can remove the table completely, after you loosened the push-button of the **Pangbandee**.

7.3 For the use as **sleep face** the table and the seats are brought again into **their** initial position. Laid out with airbeds or foam rubber paddings, you receive a **sleep face** of 175 x 200 cm (3 persons).

7.3.1 The lower **shelf plate** can be arranged as **sleep face** for further 2 persons (Children).

7.3.2 In the case of use of foam rubber paddings **education** of **sweating-water** is possible. For this reason is to guarantee for a sufficient ventilation in order to avoid a **deformation** of the sunbathing area,

7.3.3 The upper **shelf plate** is used as a **putting possibility** of the 1000 small things of a **camping holiday-maker**. The two **sticks** attached to the **underside** are planned for the mounting of coat hanger.

## 8 maintenance and care at the chassis and construction

8.1 The holding-down bolts of the **ball clutch** are to be checked for **firm** seat after the first 100 **journey kilometers**.

8.2 The **wheel fixing mothers** are also after the first 100 **journey kilometers** when necessary to tighten.

8.3 After each 5000 kilometers the **fat filling** is to be renewed in the **plastic hub caps** (**Rolling bearing fat**). At the back of the hub some drops of engine oil are to be given into the slit between **Achstunnel** and **wave sealing ring**.

8.4 The simple leaf spring is to be cleaned after each 5000 **journey kilometers** and to be fogged with graphitic **spraying-oil**. The feather is »to be relieved« for this purpose«

8.5 The **care** of the **spraying** can be carried out with standard **varnish care means**.

8.6 We recommend to oil the **castles**, hinges and hinges **at the end** easily for the season with a fluid, resin-free oil. In order to avoid **oil stains** in the tent cloth, this **work** must be explained very carefully.

8.6.1 The **sponge rubber thick profiles** as well as **their** bonds must not be handled with oleaginous **means**.

8.7 For the **start** of the **common jacks** (**Satellite queuing-castle**) **with** a possible puncture the **tube cases** contained at the pillars are used. Notice that the supporter is protected against unwinding. The jack is to be applied always at the rear **car part**.

## 9 maintenance and care of the tent

9.1 After every camping and especially on completion of the season attention is to be paid absolutely, that the tent and **Vorzelt** must be dry, before the supporter is assigned.

9.2 Tents must not be washed or may be cleaned chemically.

9.3 You want to release your tent from the dirt, only brushing, sucking off or sweeping away can be recommended.

9.4 Things worth knowing about zip-fasteners

A zip-fastener can prepare a lot of joy for his owner and achieve a high age if it is processed carefully and handled correctly. While setting up the tent the zip-fastener must be closed. The tension in the tent may be only so great that the light race of the slide is not influenced at the opening and clasps of the zip-fastener. One pulls always evenly at the grip in prolongation of the chain.

The fastener should jam, haken or to be hindered in another way in the walk, is to withdraw the slide cautiously and to find out whether a foreign body that is to be removed clamped itself. Under no circumstances it must not be attempted to overcome the inhibitions through strong drawing since otherwise the chain links move. Hard walk of the zip-fastener conditional through external influences can be removed by slight painting with a wax candle.

It is advisable to relax the tent at rain and wind around the zip-fastener relieve (see point 5.11.). The same one applies, when the tent shut longer time uninhabited conks out.

#### 10 references to the impregnation of the tent.

10.1 A impregnation should require itself at your tent, the tent is correspondingly to 9.3 like this. clean.

10.2 In order to achieve a necessary waterproofing-effect, the tent must be completely dry.

10.3 Spreading the tent with waterproofing-solution only in the established and well tightened state (because of danger of the shrinkage) by means of paintbrush or white tie brush.

10.4 To carry out the impregnation if possible with high temperatures, the faster the dry process occurs and you achieve in this case that one favorable waterproofing-effect.

10.5 We recommend "Wab" or another on the market available waterproofing-means as a waterproofing-means. You take the solution and application regulation from the sale package.

#### 11 putting possibility in the garage

11.1 You intend to assign the supporter uprightly length-sided so all loose parts and the gas cylinder are to be taken before from the vehicle.

11.2 The than special equipment facilitates tilting device to be gotten a längs-sided tipping over of the supporter in the garage. The figure 36 shows you the tilting device.

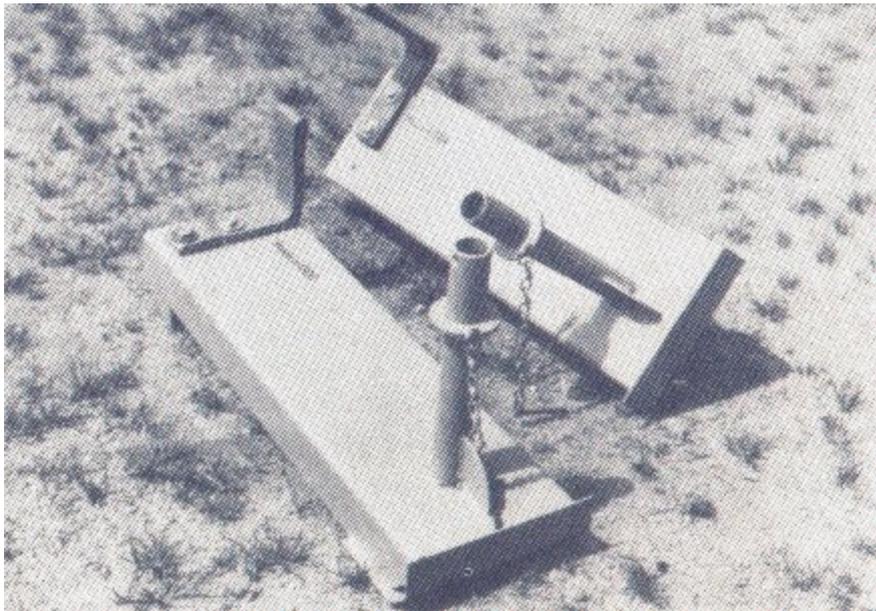


Fig. 36

11.2.1 The tube cases attached to the lateral pillars of the supporter are used for the photo of the tilting device. The stop pins prevent the gliding of the tilting device until these get up on the ground (Figure 37).

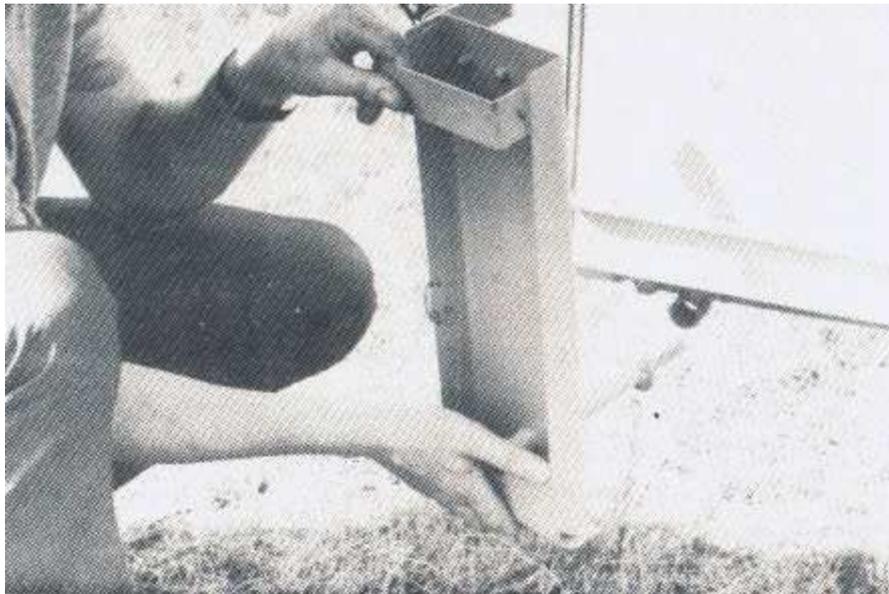


Fig. 37

11.2.2 The supporter is **tilted** now längs-sided through 2 persons,

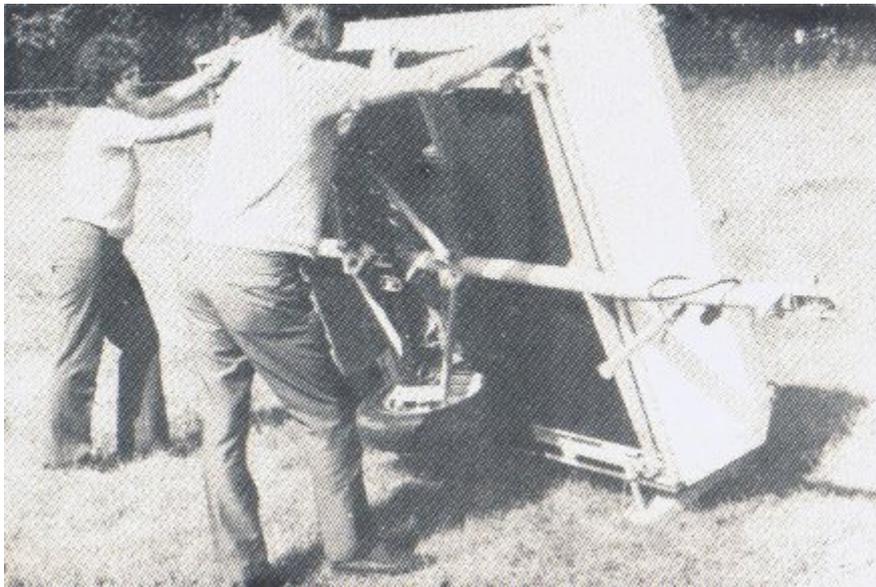


Fig. 38

11.2.3 The tilting device is suitable also for **maintenance** and **care works** at the chassis and **supporter ground**.