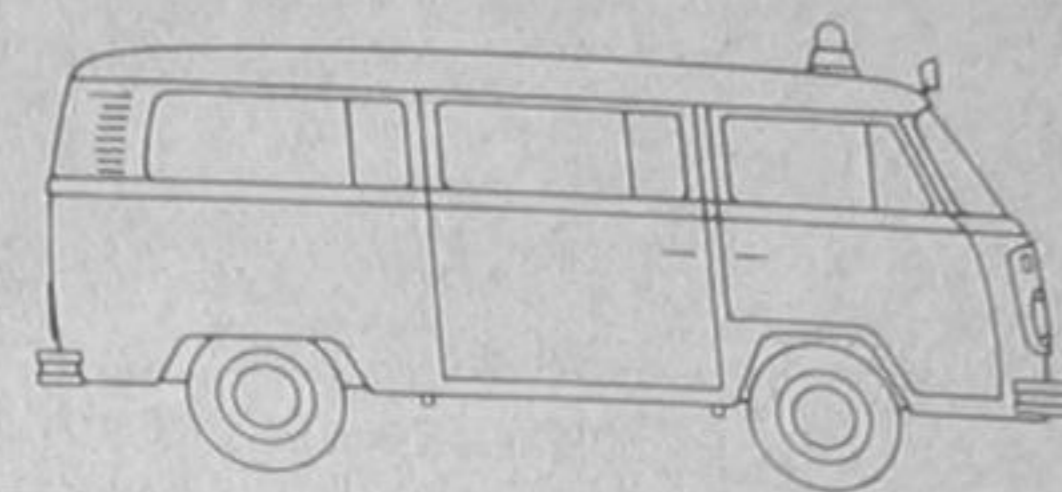




# Ambulance

## Instruction Manual

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This manual deals only with the ambulance equipment.

Instructions on vehicle operation, care and maintenance are given in the Transporter instruction manual.

## Portable chair

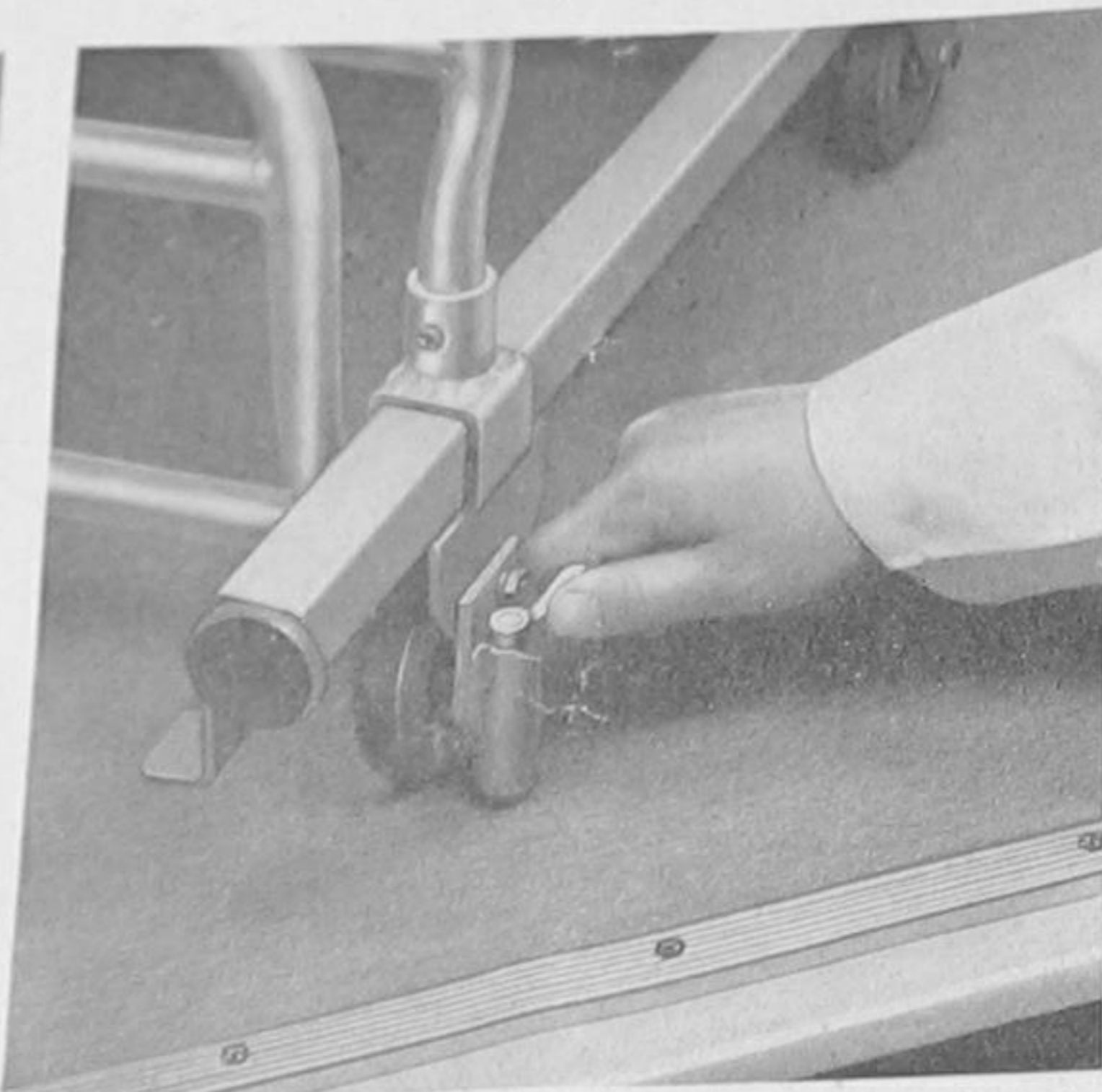
The portable chair is padded and is located in two runners on the floor. One runner has a retaining catch to secure the chair. The chair is also fitted with retaining straps which are attached to the armrest tubes. A footrest on the chair can be folded out when required.

### Taking portable chair out

1 - Open sliding door and ensure that retaining catch engages. The step swings into position automatically and is secured firmly.



2 - Move the retaining lever forward so that the chair is free to move.



3 - Pull chair toward door and pull out the carrying handles.



4 - Lift chair out of vehicle.

chair. The chair is required.

and pull out the



**Putting chair back**

- 1 - Lift chair into vehicle with backrest inward and push rear handles in.
- 2 - Guide chair into runners and secure it with the retaining lever.

- 3 - Push the front handles in as far as they will go.



- 4 - Fold up footrest.

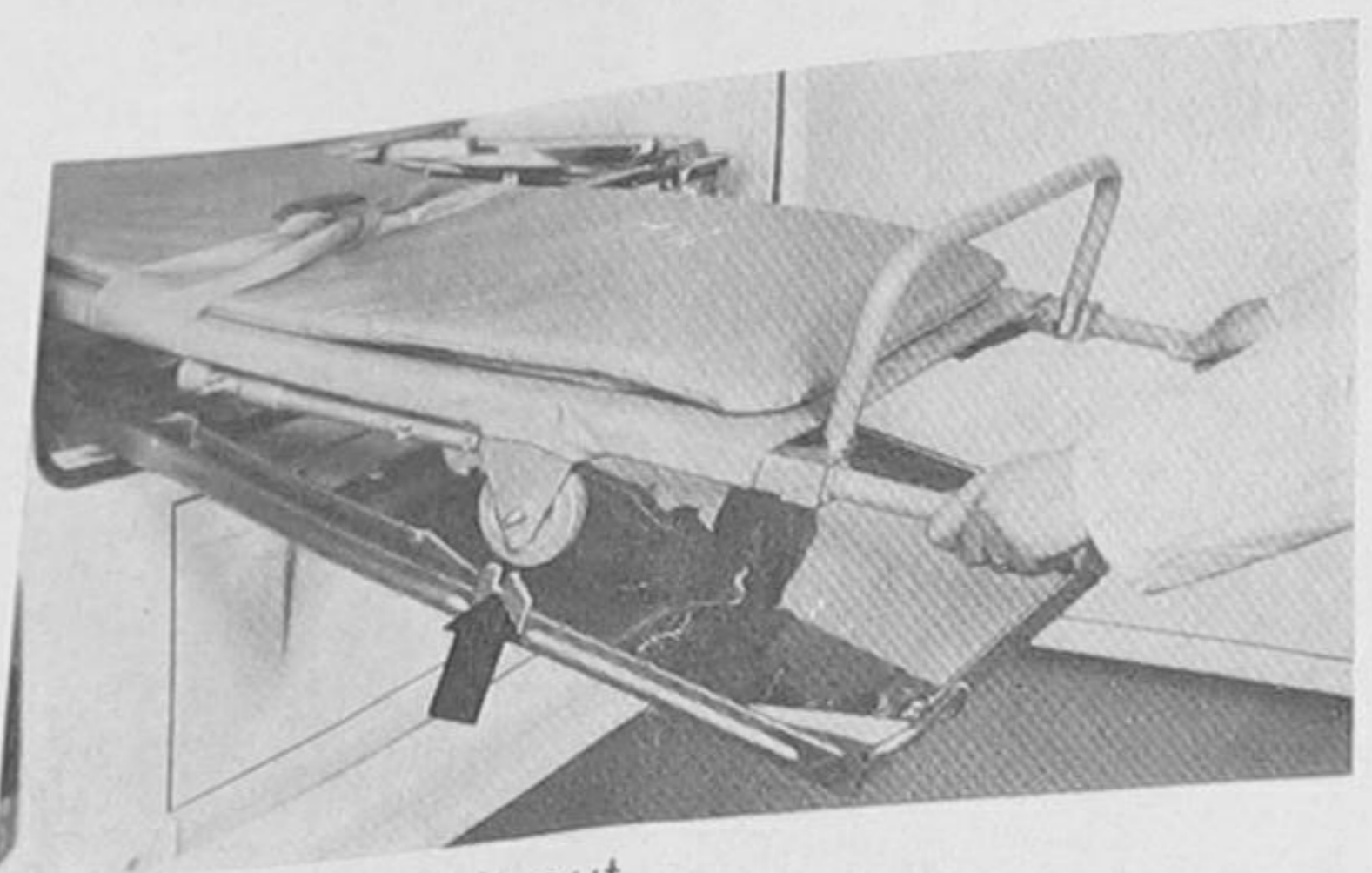
## Left-hand stretcher

### Taking stretcher out

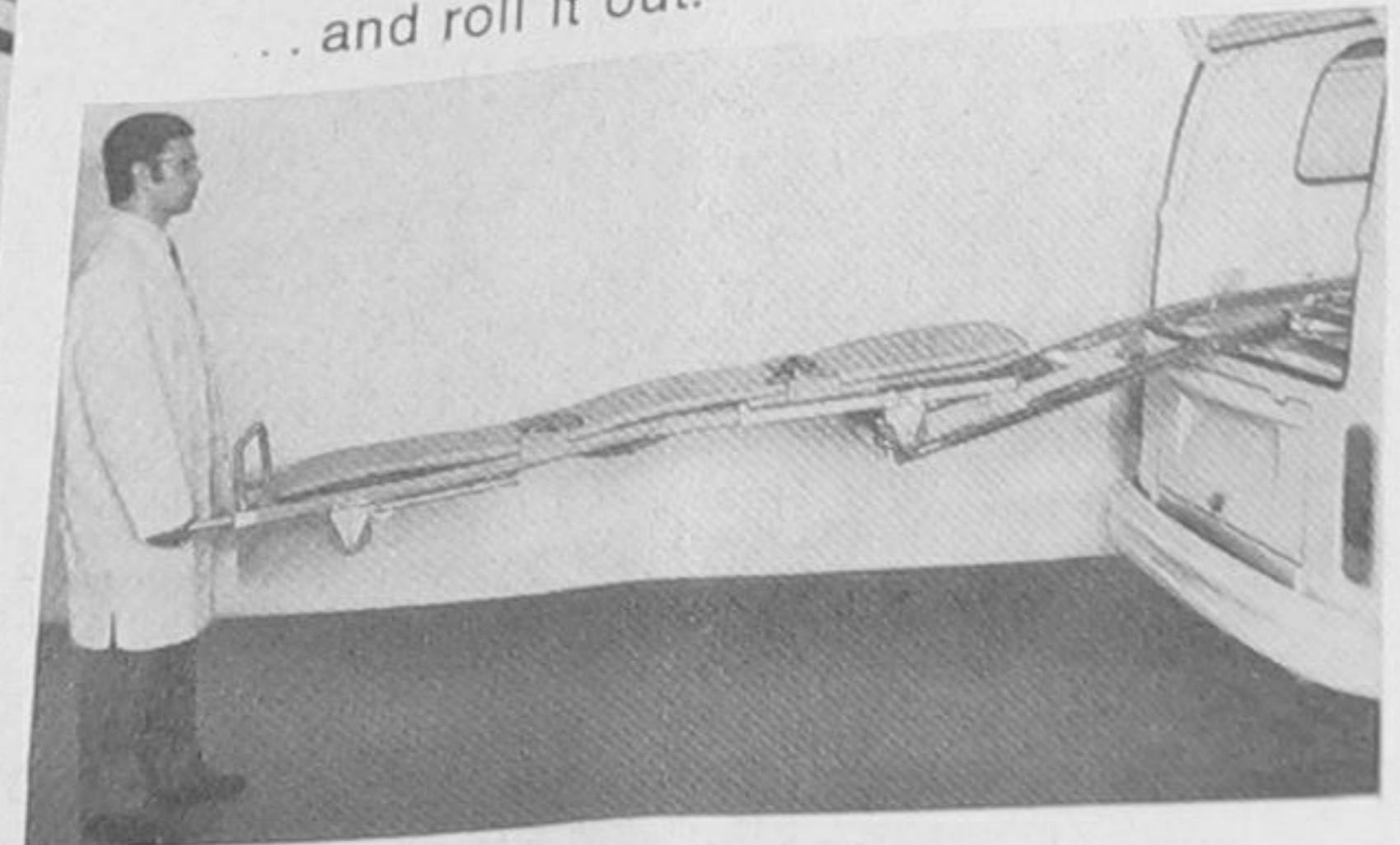
- 1 - Open rear flap.
- 2 - Lift stretcher frame slightly with right hand handle and pull frame out as far as it will go.



- 3 - Pull stretcher handles out and lift stretcher out of retaining mounting (arrow) . . .



. . . and roll it out.



### Putting stretcher back

- 1 - Place rollers at head end of stretcher on the stretcher frame and push front handles in.
- 2 - Roll stretcher in on the frame until the locating pin on the left rear roller bracket engages in the retaining mounting.
- 3 - Push rear handles in.
- 4 - Lift frame with both handles, then push it into vehicles as far as it will go.

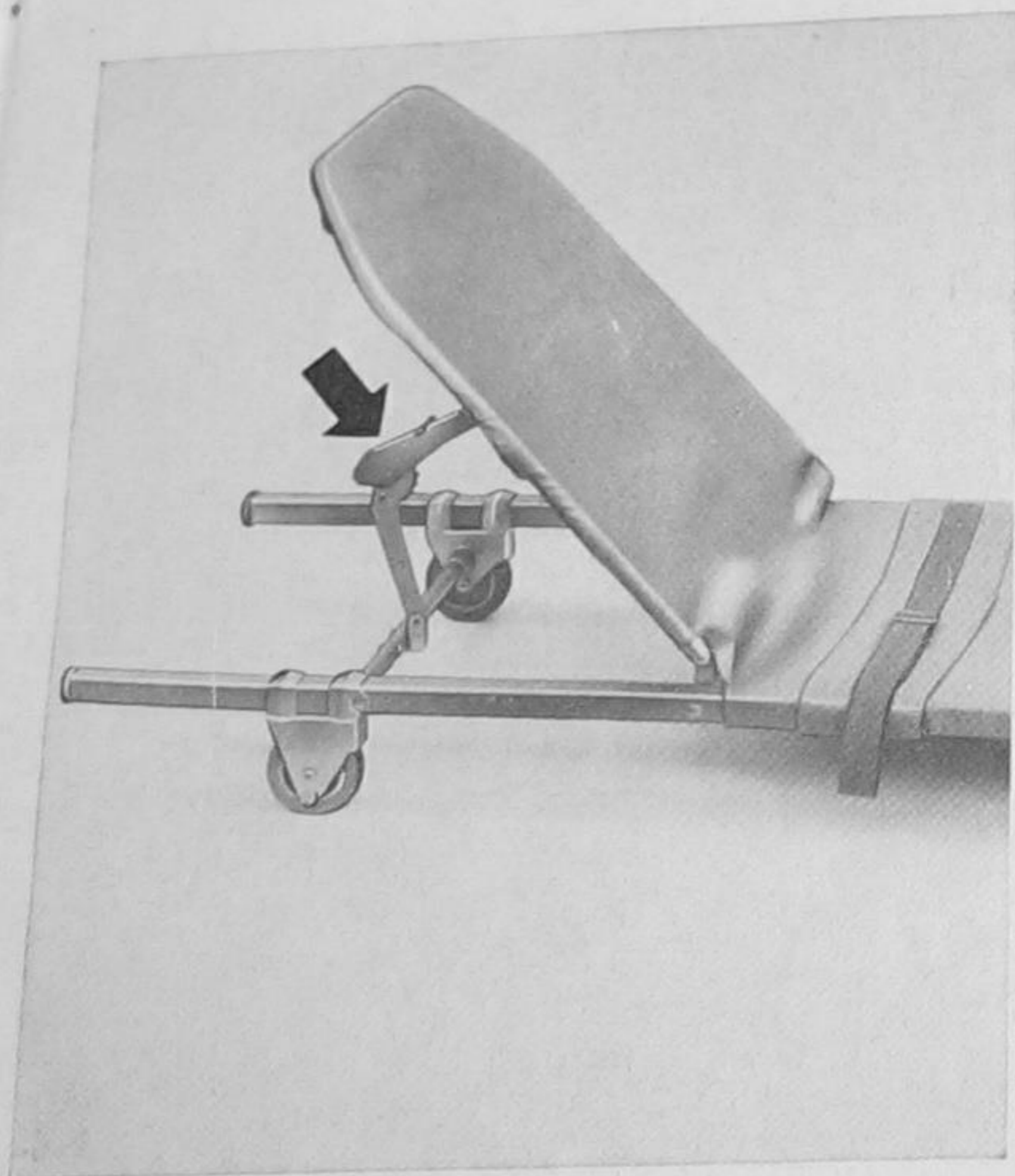
### Note:

Both stretchers can also be put in foot end first.

### Lifting head end

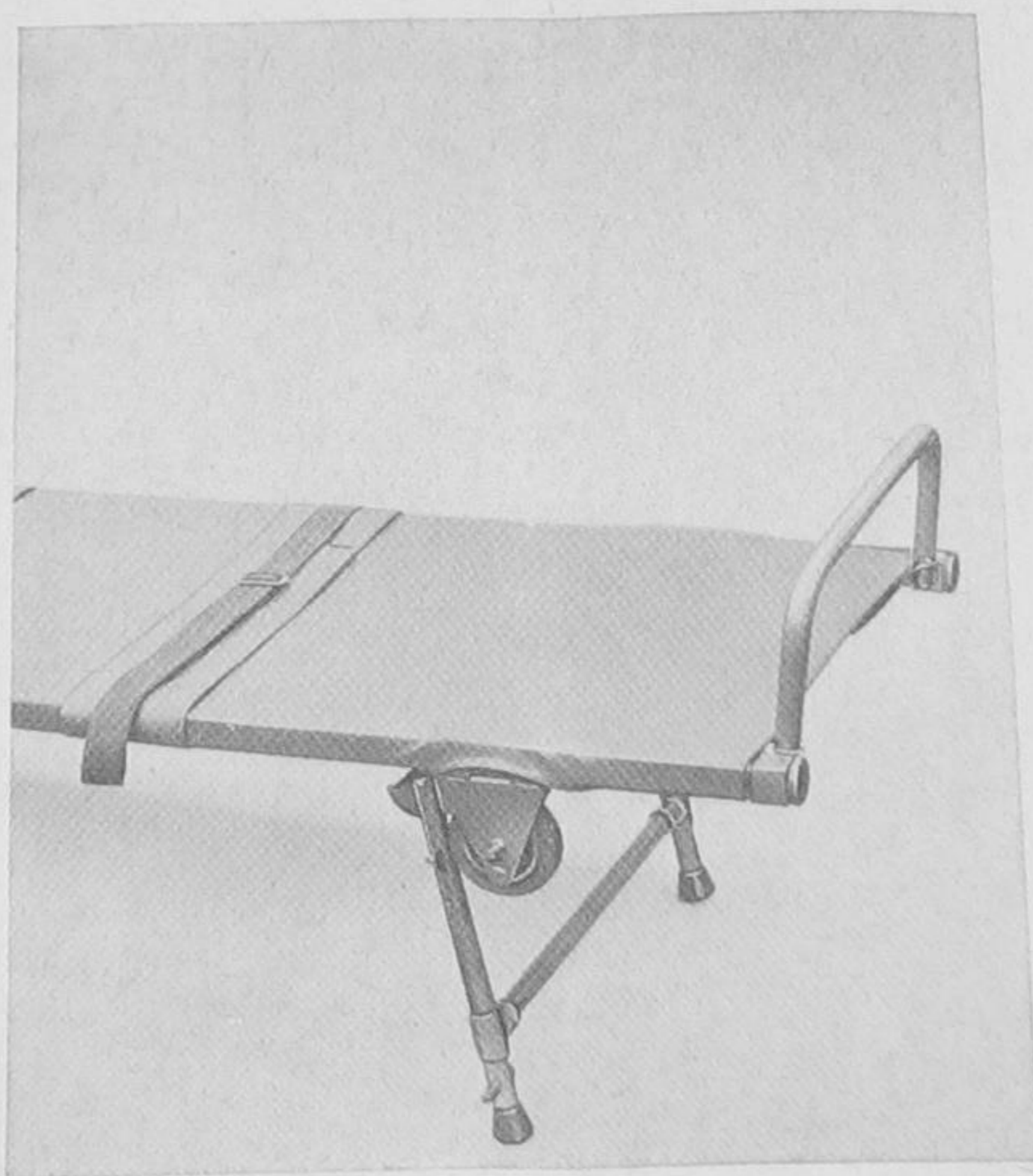
The head end of the left-hand stretcher can be raised. It is held in position by a support.

To lower it, pull out the small red lever in the support (arrow).



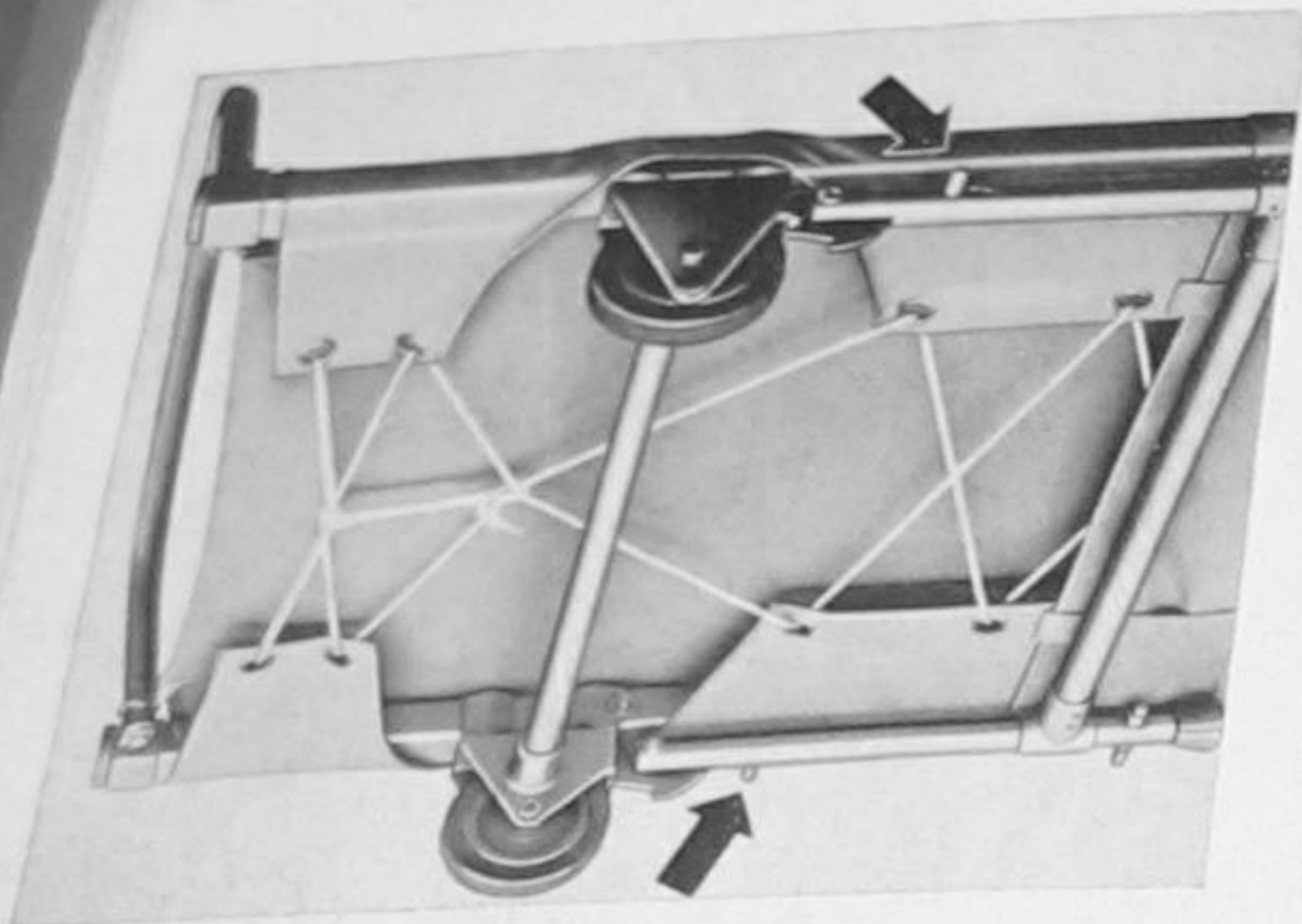
### Lifting foot end

If necessary the foot of the left-hand stretcher can also be raised about 20 cm. The stretcher is held in this position by a support that pivots below the frame, behind the rear rollers.



When the stretcher is on the frame in the pulled out position, the locking pin engages in the rear retaining mounting on the left and holds it securely (arrow).





## Right-hand stretcher

The right-hand stretcher is stored folded up behind the seat near the sliding door opening on two plastic plates screwed to the floor. The head support of the stretcher faces the front of the right-hand stretcher table. The stretcher is held by straps attached to the stretcher table.

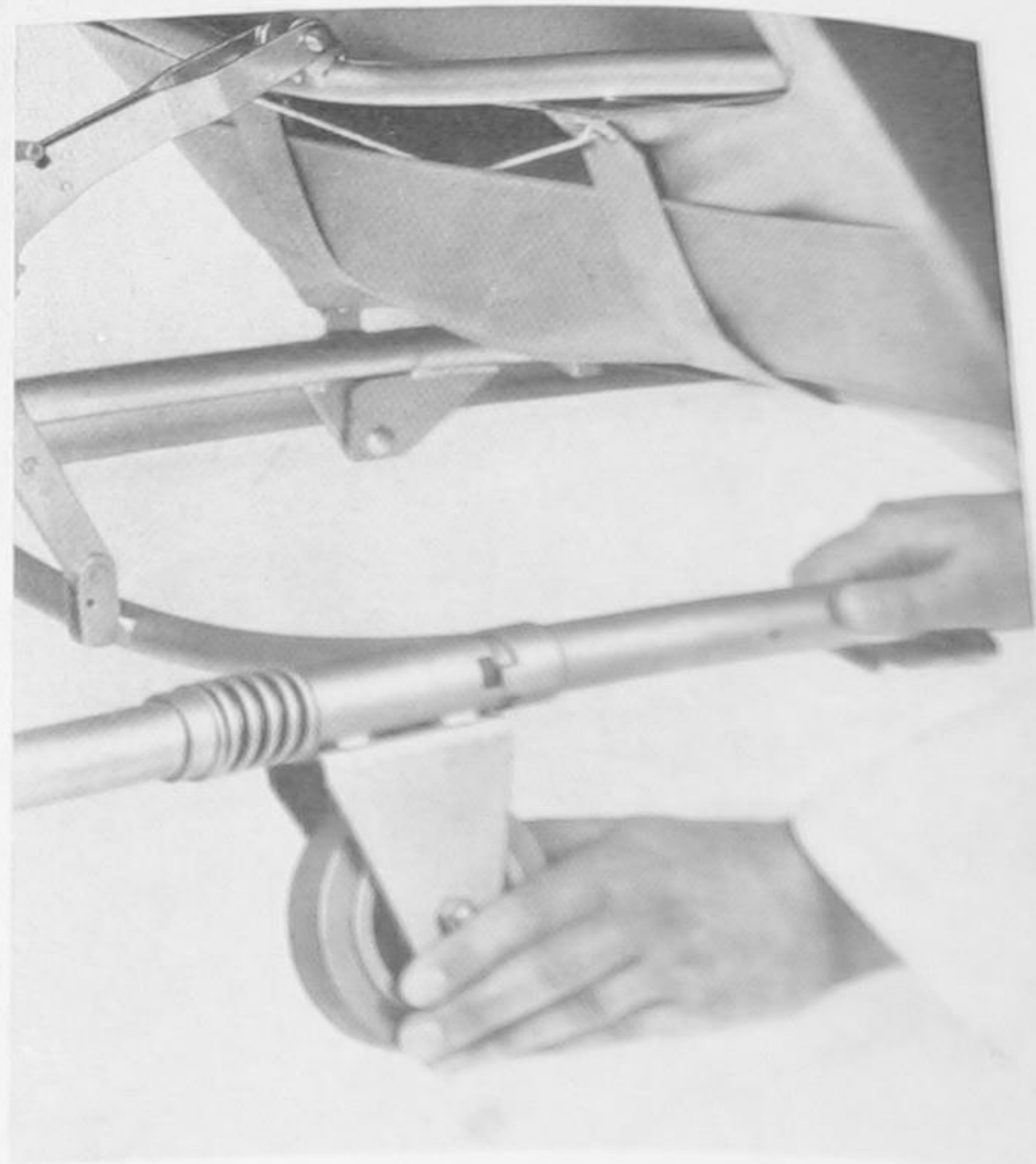
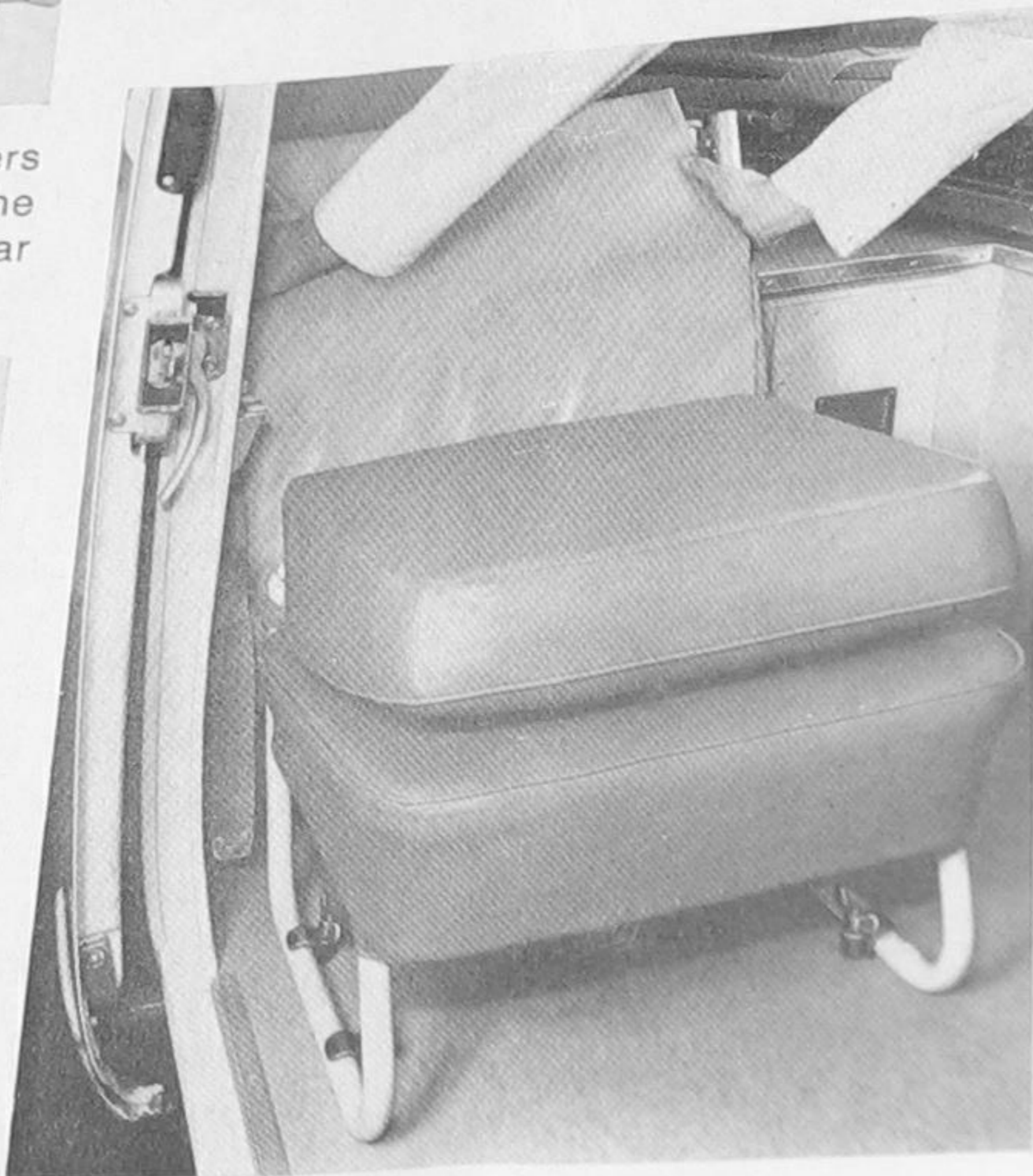
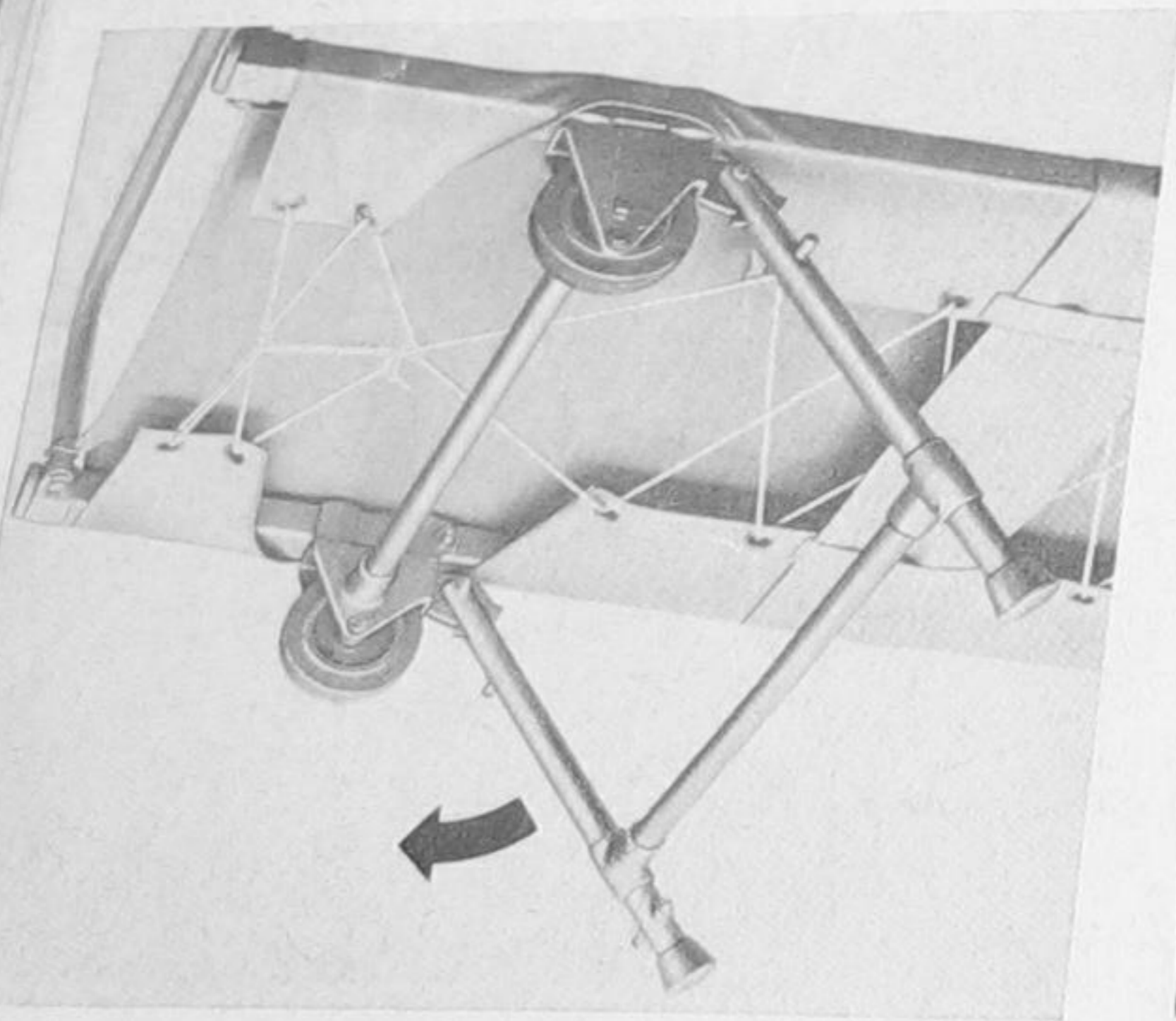
### Taking stretcher out

1 - Fold seat back down and undo stretcher straps.

2 - Take stretcher out of vehicle and unfold it.

3 - Swing the rollers outward until they lock in position.

To swing the support out, pull both levers toward center of the stretcher and at the same time push the support toward the rear until the detent engages.

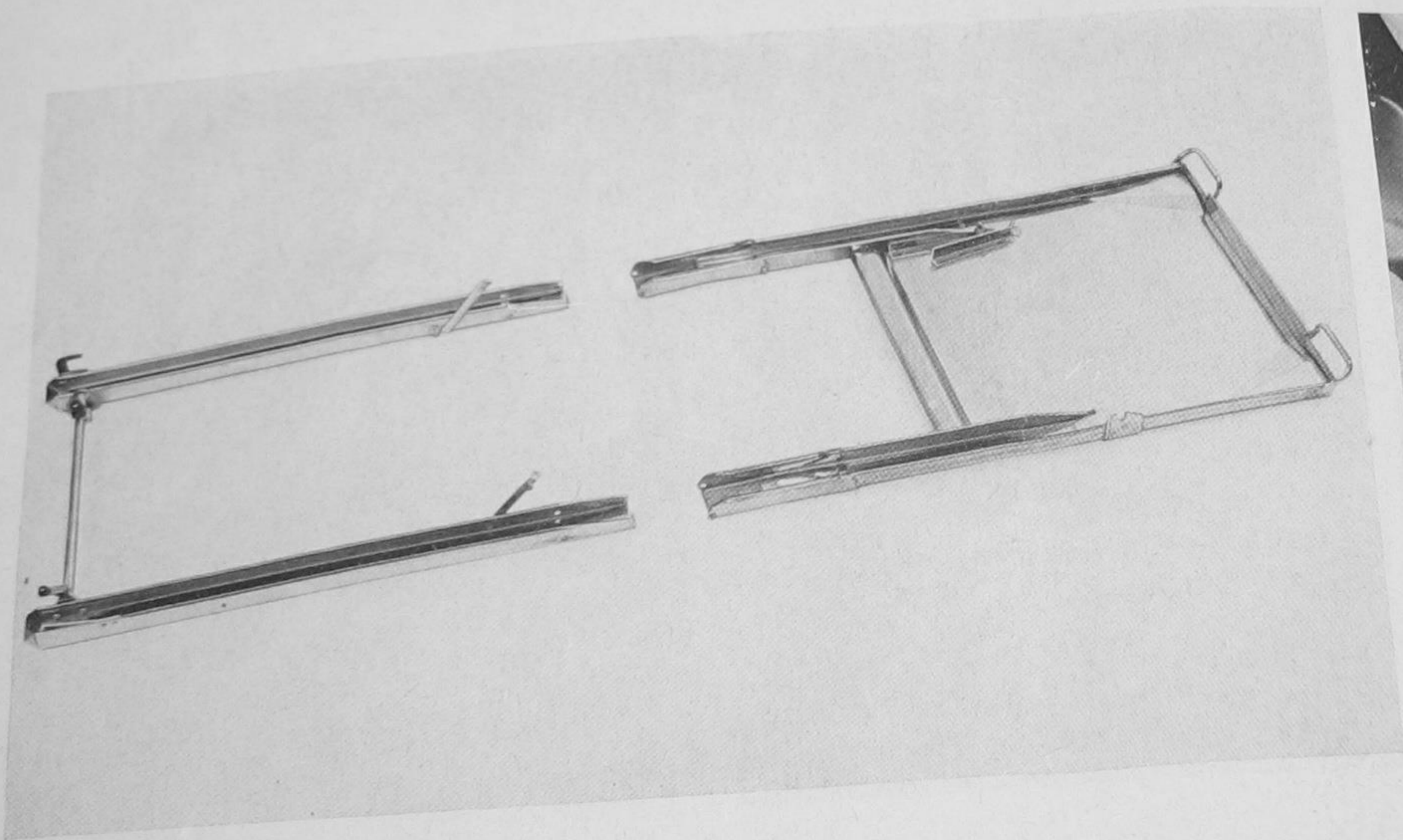


## Right-hand stretcher frame

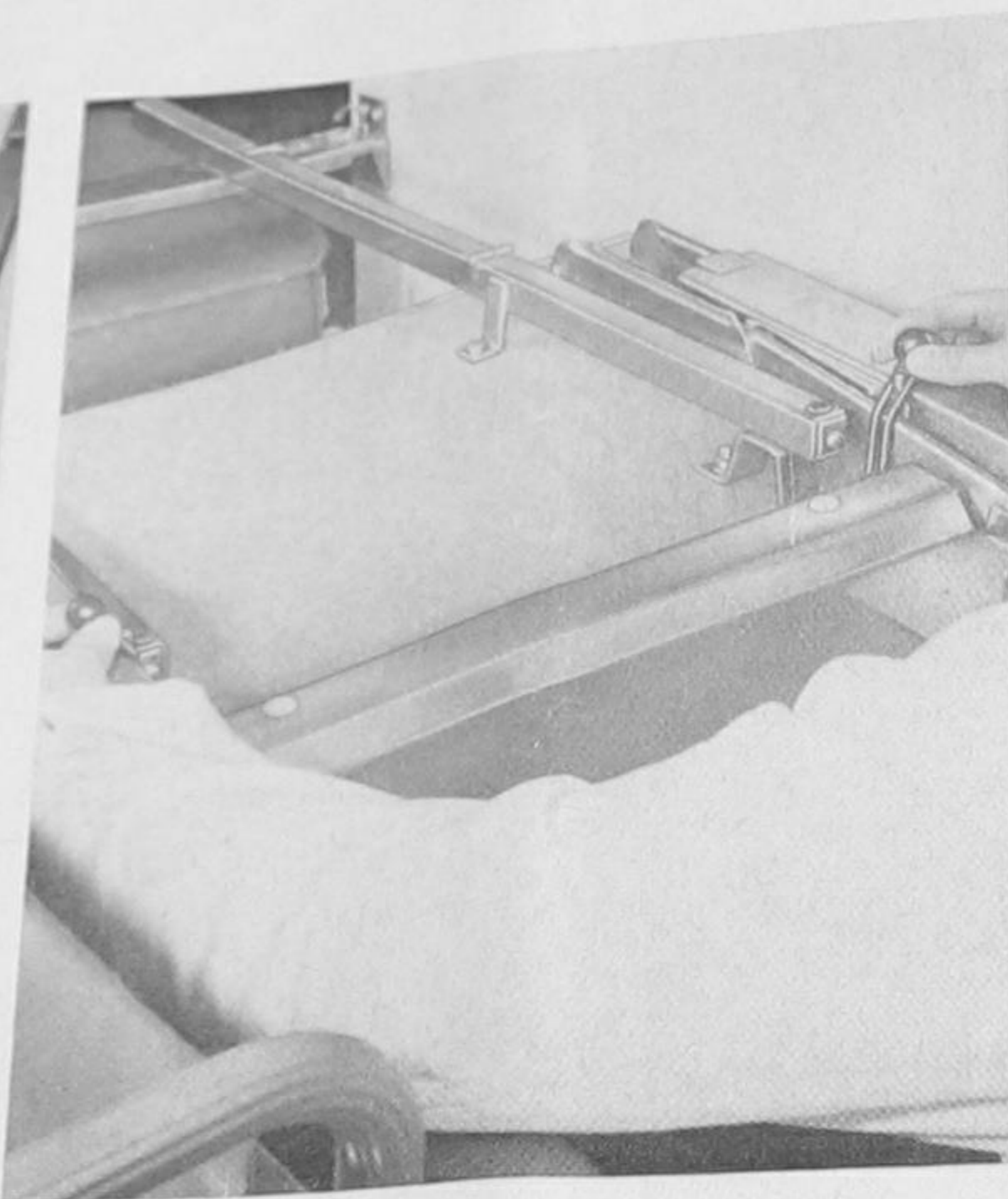
The right-hand stretcher frame is in two parts. If the second space for a stretcher patient is not being used, the front part of the stretcher frame rests on the rear frame part. Both parts of the frame are held by rubber loops screwed to the stretcher table and hooked over two pins on the upper frame part.

### Assembling stretcher frame

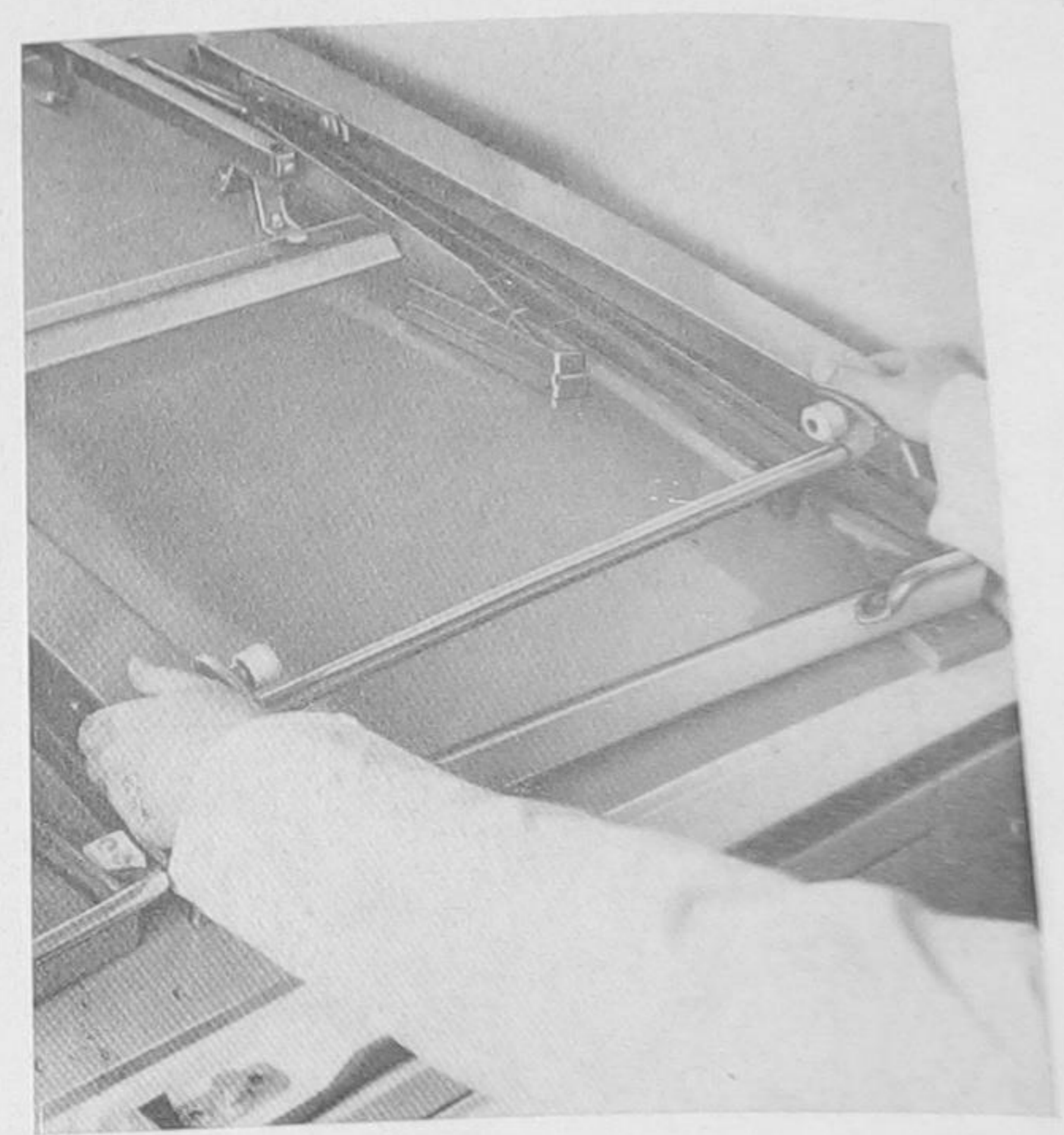
- 1 - Pull support out of clip, swing frame carrier toward front and . . .



... push into the fittings on the floor and the side panel (arrows).  
2 - Detach rubber loops and ...



... lift front part of frame out of its mounting ...





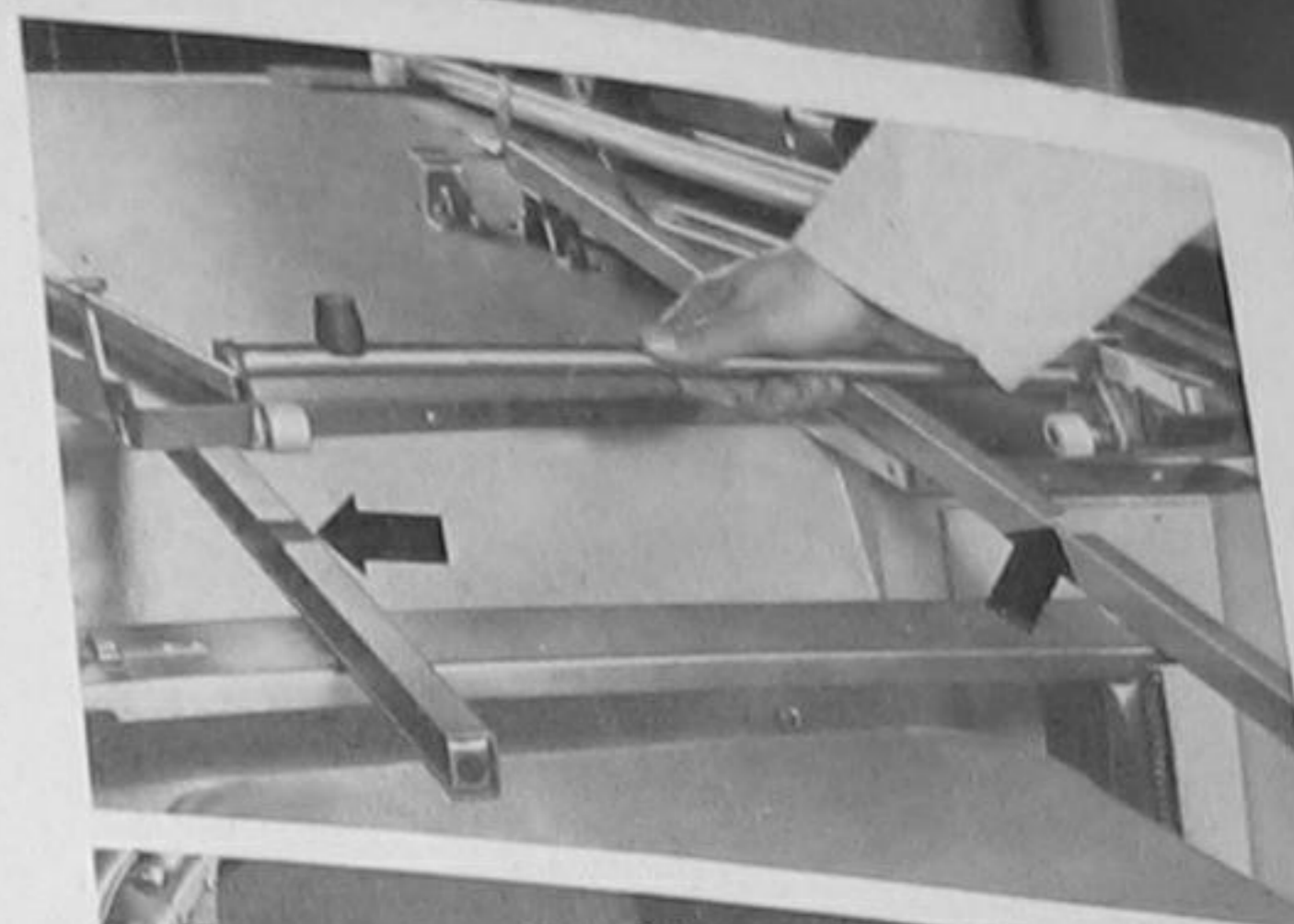
out of its moun-

... put it down and release both detent pins.

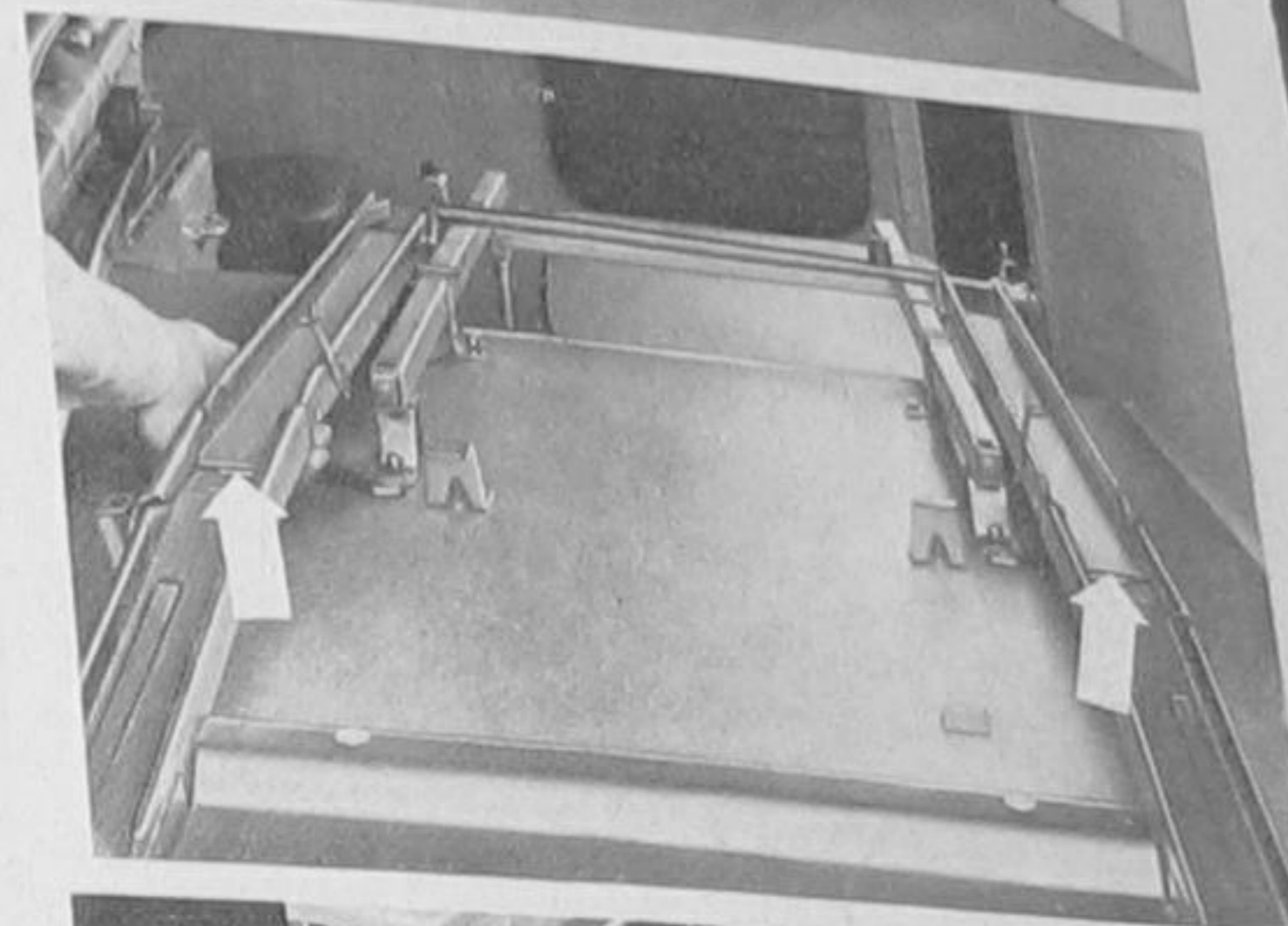


3 - Lift rear frame part slightly, pull it out toward the rear and put it down.

4 - From vehicle interior, insert rollers of front frame part into cutouts in frame carrier and push about 20 cm rearward.



5 - From rear of vehicle, insert rear frame part, connect both frame parts and ...



... then insert detent pins on both sides.

6 - To enable stretcher to be installed, pull stretcher frame out toward rear as far as it will go.

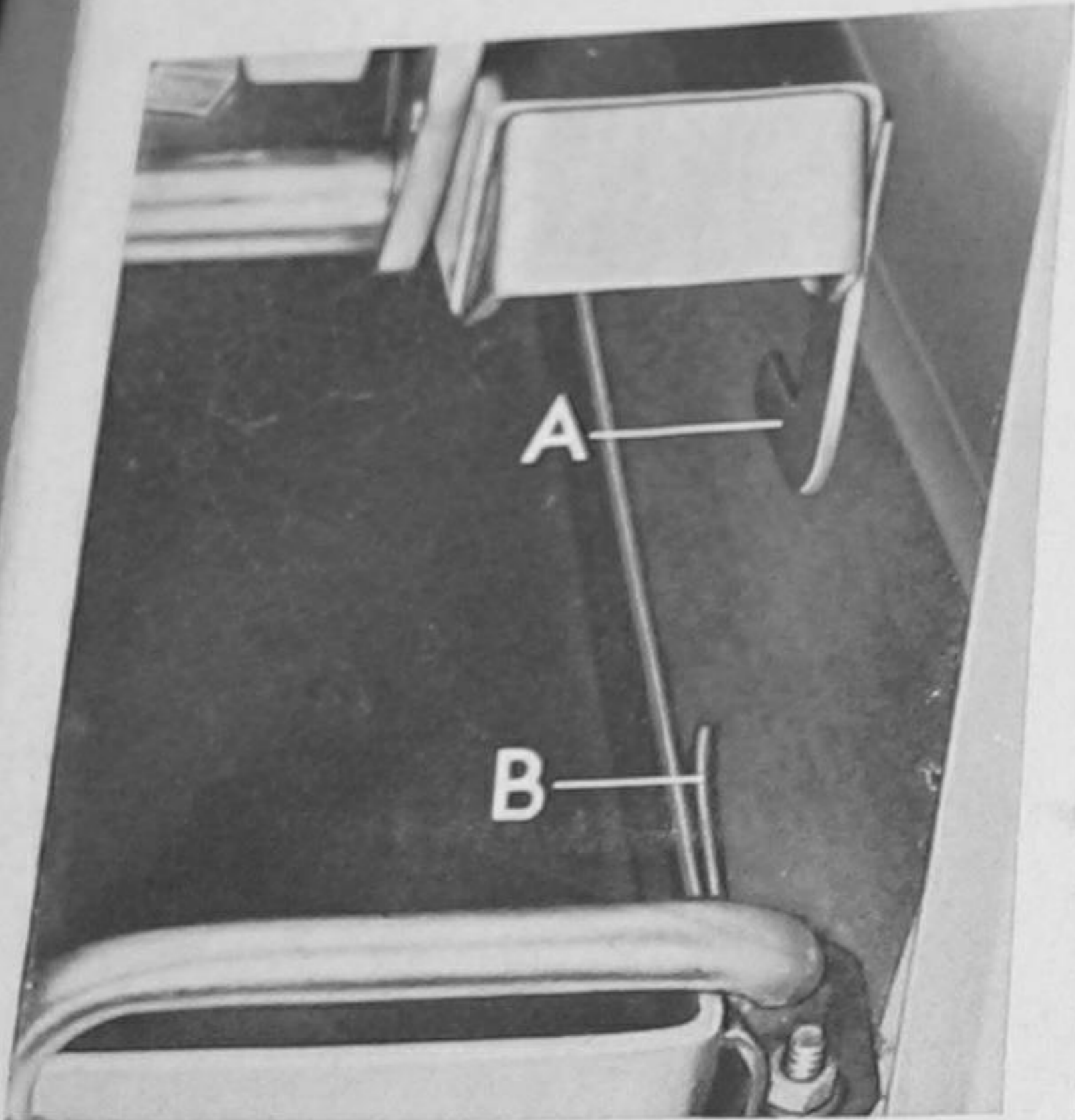
7 - The stretcher can now be installed and pushed in on the frame in the same way as the left-hand stretcher.



### Disassembling and stowing stretcher frame

The right-hand stretcher frame is disassembled by reversing the assembly sequence. Note the following:

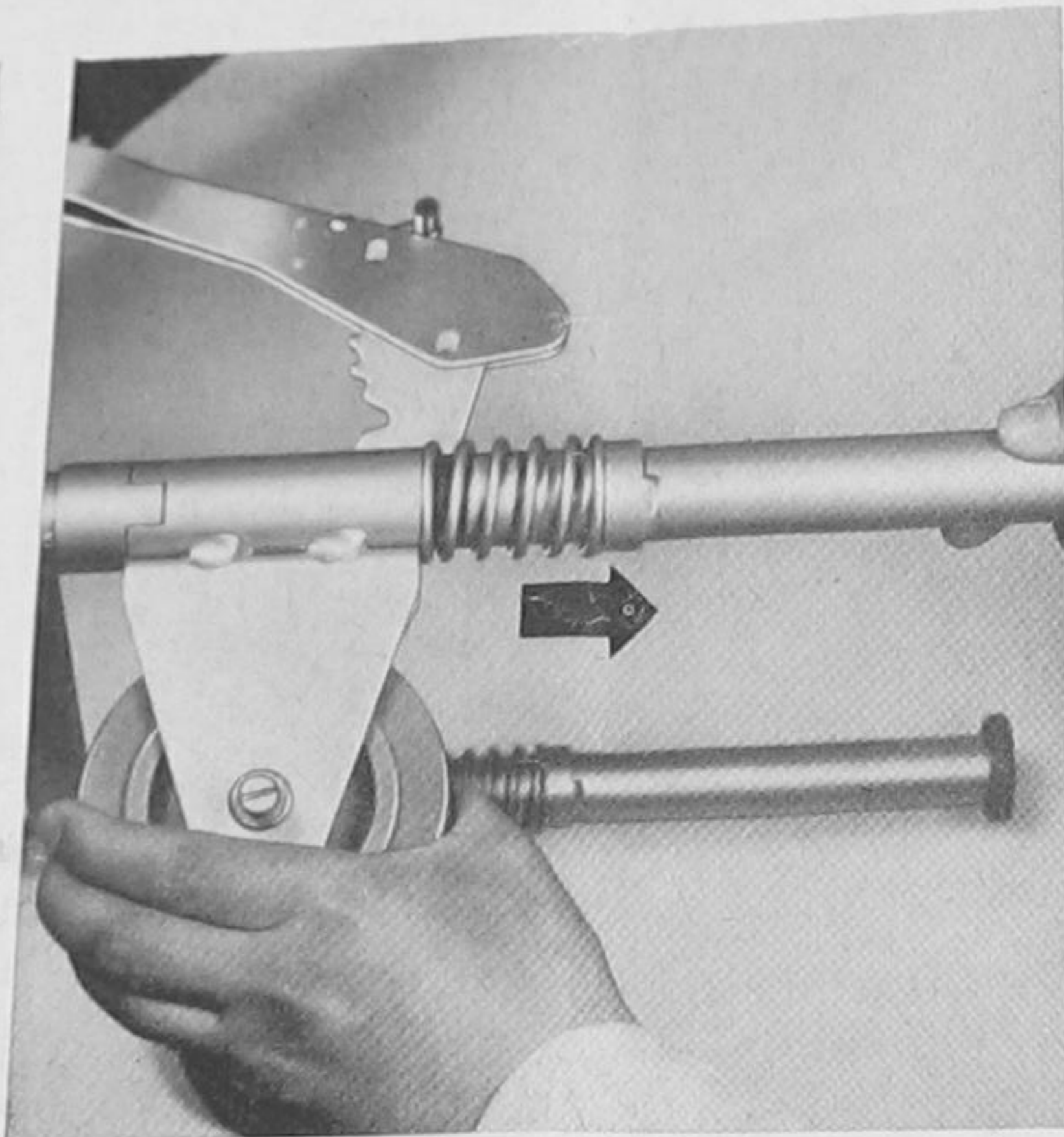
- 1 - When placing one frame part on the other, press the hook shaped stop of the front part (A) in between the rear frame part and the lateral stop (B).



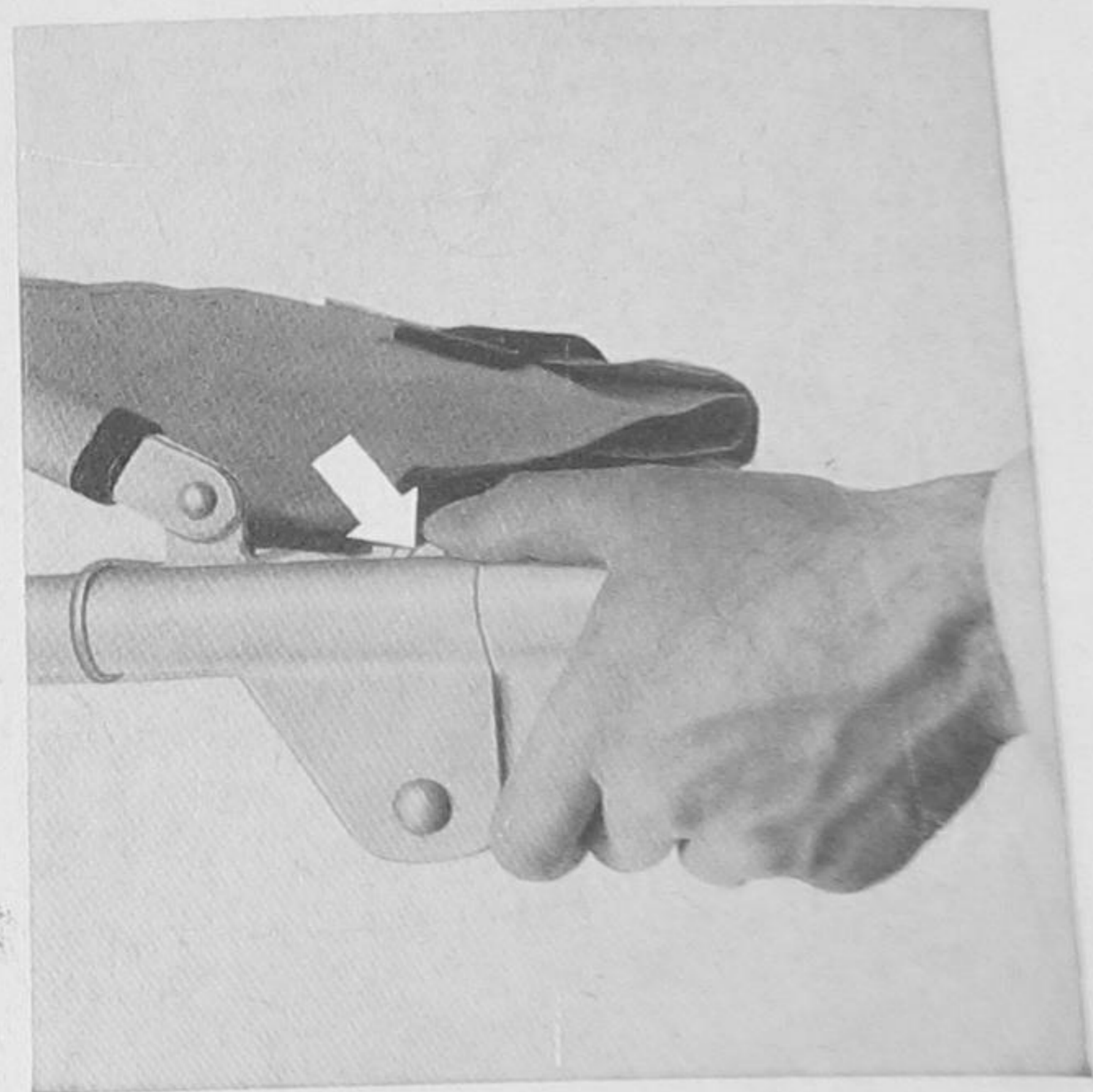
- 2 - The frame carrier can be detached from the fitting on the side panel only when the carrier is pressed toward the side panel.

### Folding stretcher up

- 1 - Pull rollers back and swing them inward.



- 2 - Press the two locking levers in the stretcher tubes and fold stretcher up.



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(Optional

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dov  
and

## Right-hand stretcher with simple guide frame

(Optional extra - M 152)

The stretcher is folded up on the guide frame and secured with a strap.

### Taking folded stretcher out and unfolding it

1 - Open rear flap.

2 - Fold extension for right-hand runner down (arrow). Detach strap from stretcher and lift stretcher out. The strap must then

be removed completely from the left guide and the right runner.

3 - Open stretcher up until it clicks into position.

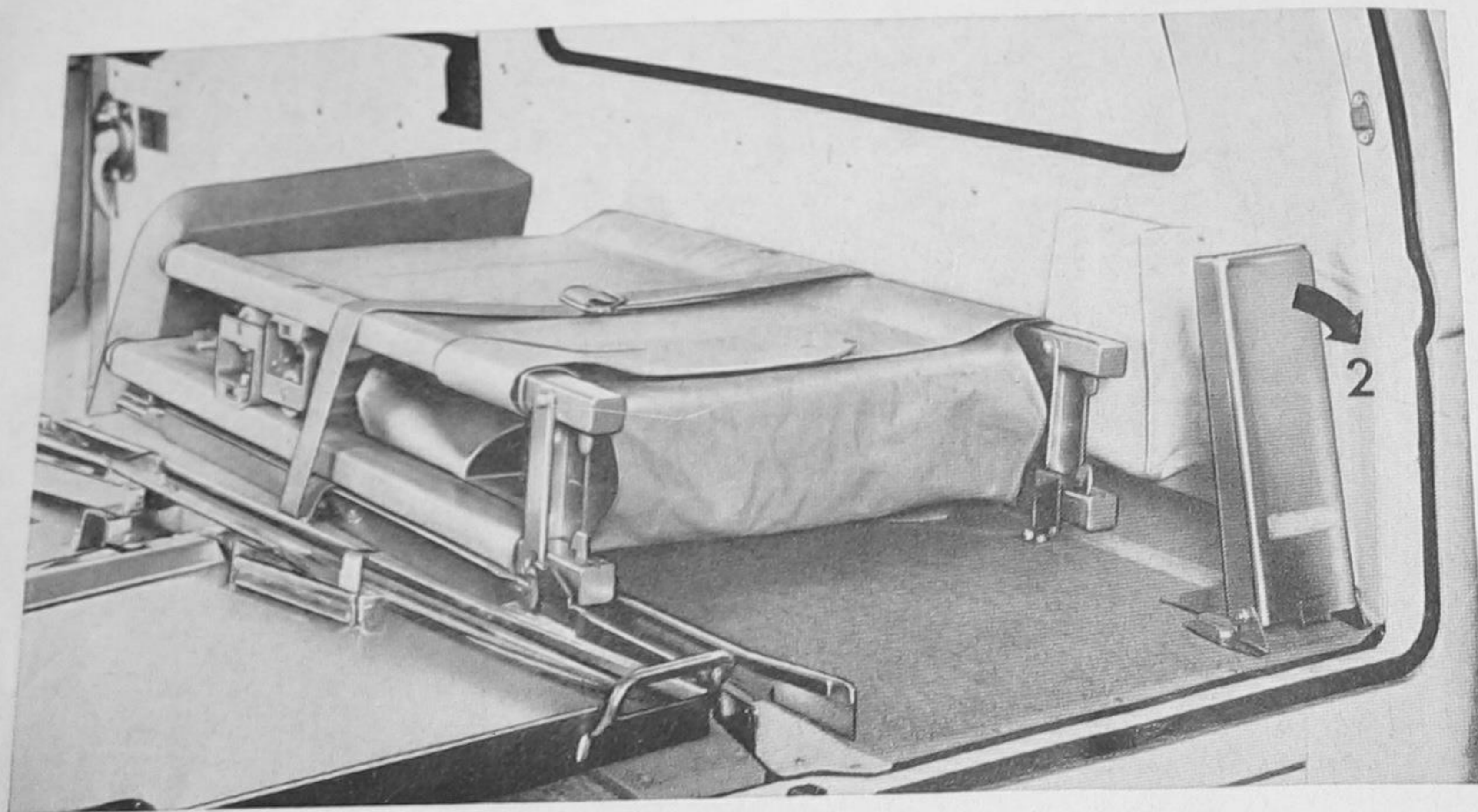
4 - Pull carrying handles out.

### Pushing unfolded stretcher in

1 - Place front rollers (head end) in the guides and push front handles in.

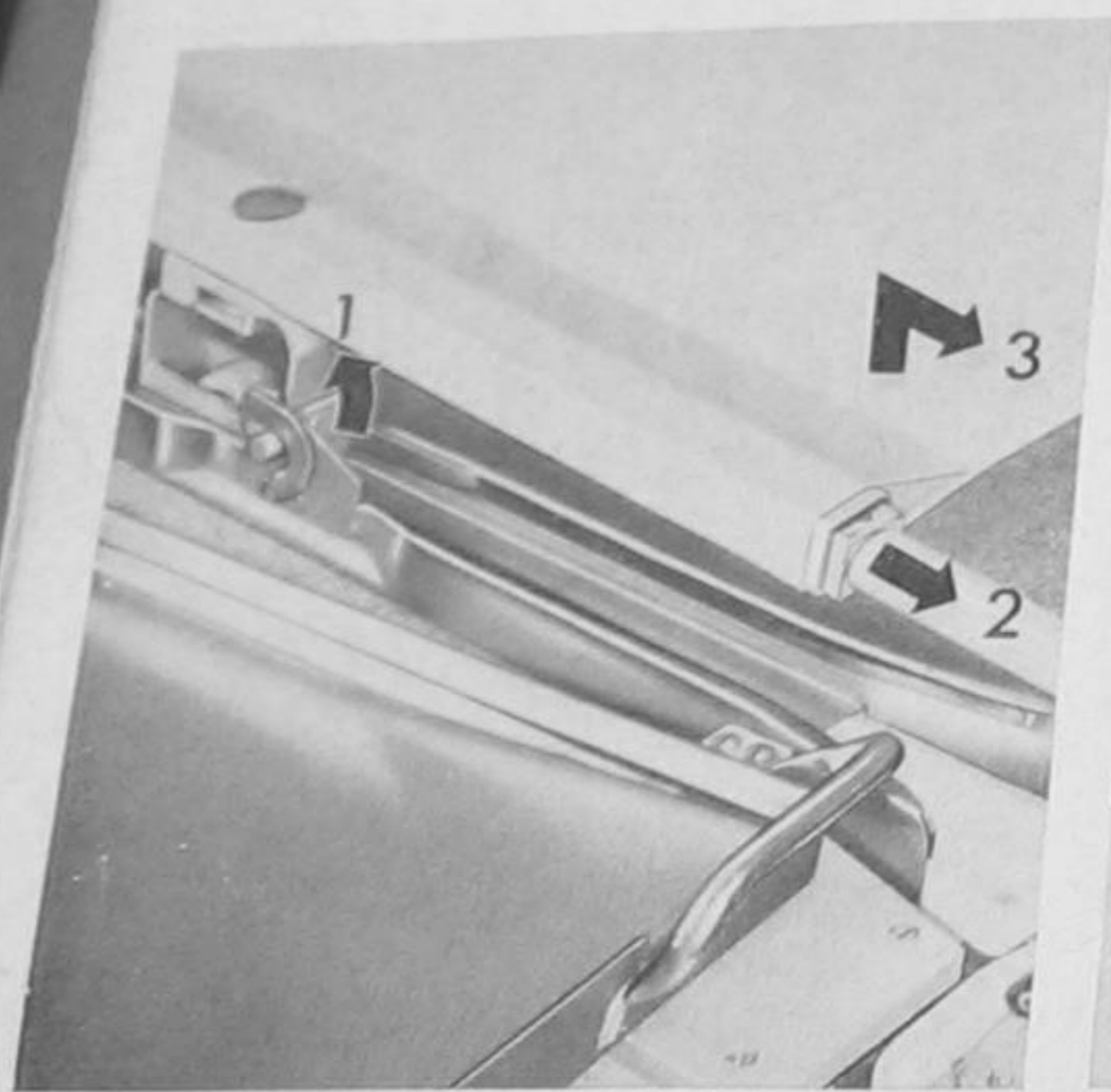
2 - Push stretcher in until the locking pin on the left rear roller engages in the mounting on the guide. The backrest of the invalid chair goes forward as the stretcher is pushed in and at the same time the left front roller pushes an extension of the left guide channel out.

3 - Fold up the extension for the right-hand runner.



### Taking unfolded stretcher out

- 1 - Release the hook on the left guide channel.
- 2 - Pull rear handles out.
- 3 - Lift stretcher and pull out at the same time.



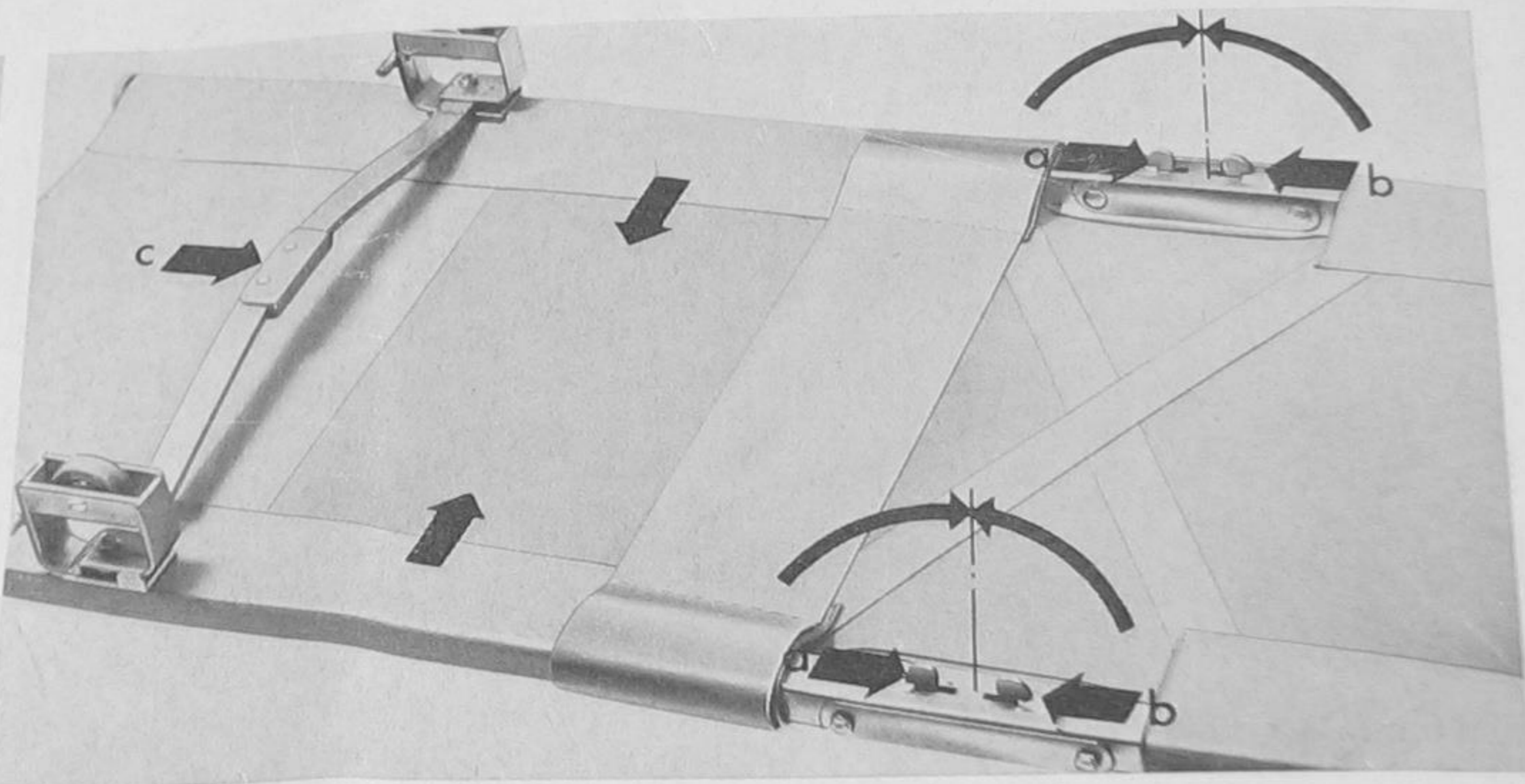
### Folding and stowing stretcher

- 1 - Place stretcher in position face down. Release the head and foot parts one after the other by pressing the locking levers on each side (arrows a and b) and fold up.

The stretcher can also be folded transversely by pressing the two cross struts

under the stretcher in direction shown by arrow (c).

- 2 - Pull strap over the guides through the eyes.
- 3 - Place stretcher in vehicle and strap it down to the guides. The extended left guide channel must be pushed in by hand.



### Hinged seat

This seat can be used e  
chers are in use. It can  
support by the occupan



## Hinged seat

This seat can be used even when both stretchers are in use. It can also be used as a leg support by the occupant of the portable chair.

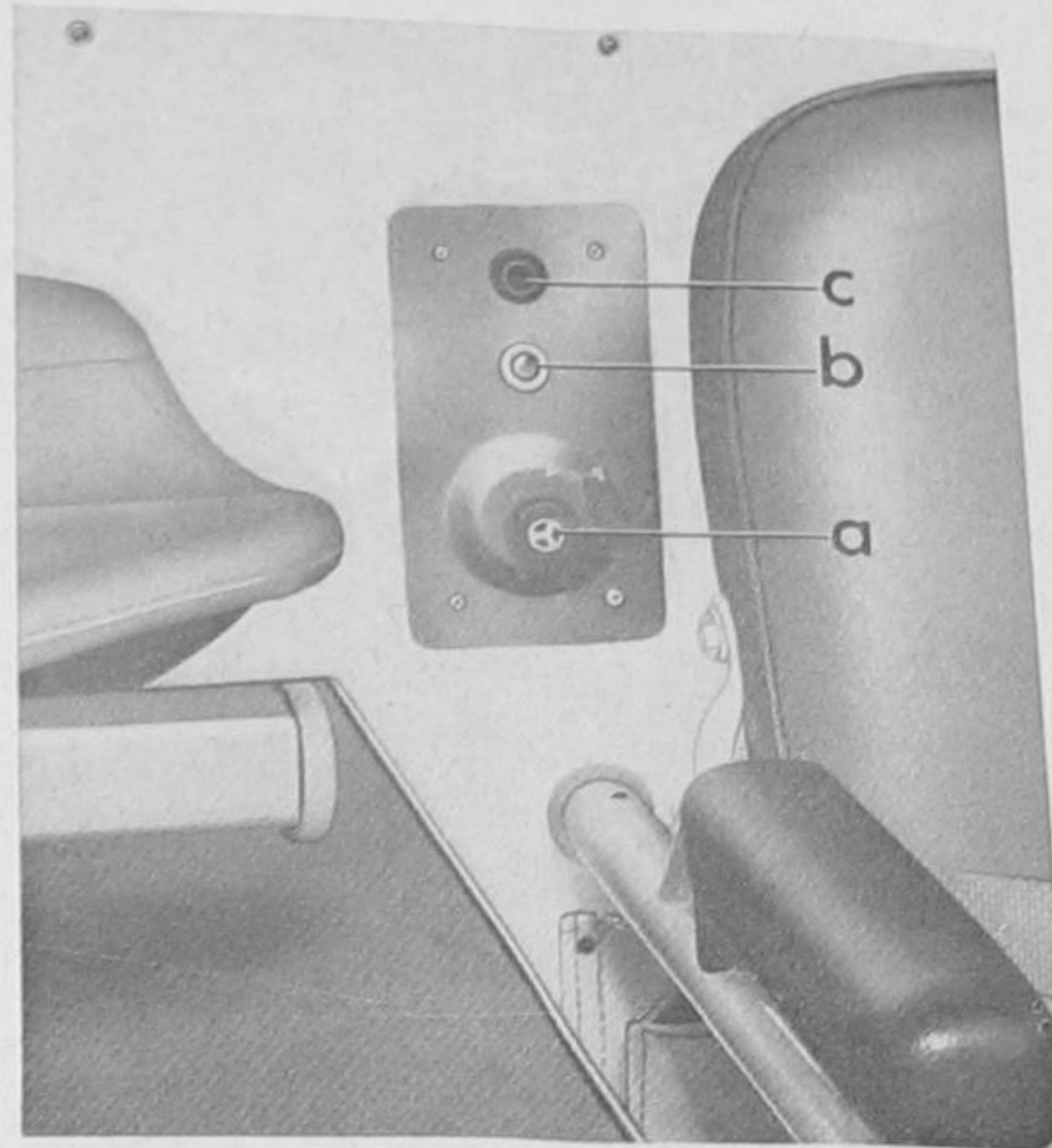


## Fresh air ventilation

The ventilator fitted in the center of the roof ventilates the ambulance compartment.

The fan, the rotational direction of which can be changed, can be operated when the vehicle is stationary or moving. The rotary switch (a) is on the left-hand side panel trim, next to the portable chair.

Above it is a socket (b) for a baby cot. The voltage is checked by pressing on the bulb housing (c). The bulb must then light up.



Turning fan switch to left = expels air  
Turning fan switch to right = draws air in

The ventilator opening can be closed completely when required by turning the lower plate in a clockwise direction.



## Electrical equipment

### 1 - Ambulance light

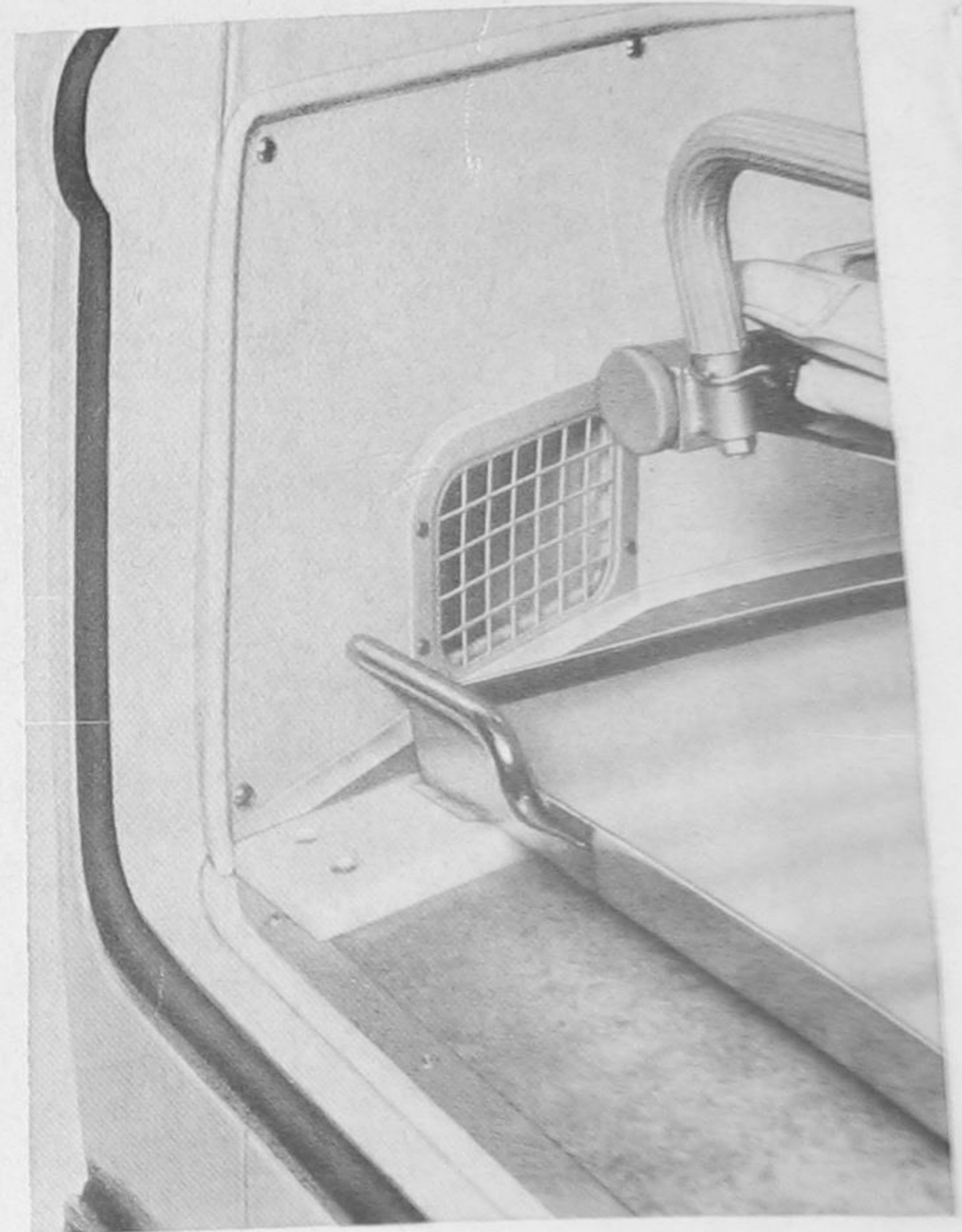
The light fitted on the cab roof to indicate that the vehicle is an ambulance is operated by a switch on the instrument panel to the right of the steering column.

### 2 - Heater (optional extra)

In addition to the normal vehicle heating, it is possible to install a gasoline air recirculation heater, which can be used to warm up the vehicle quickly even when it is standing still. The operation and maintenance of this heater is described in a separate instruction leaflet.

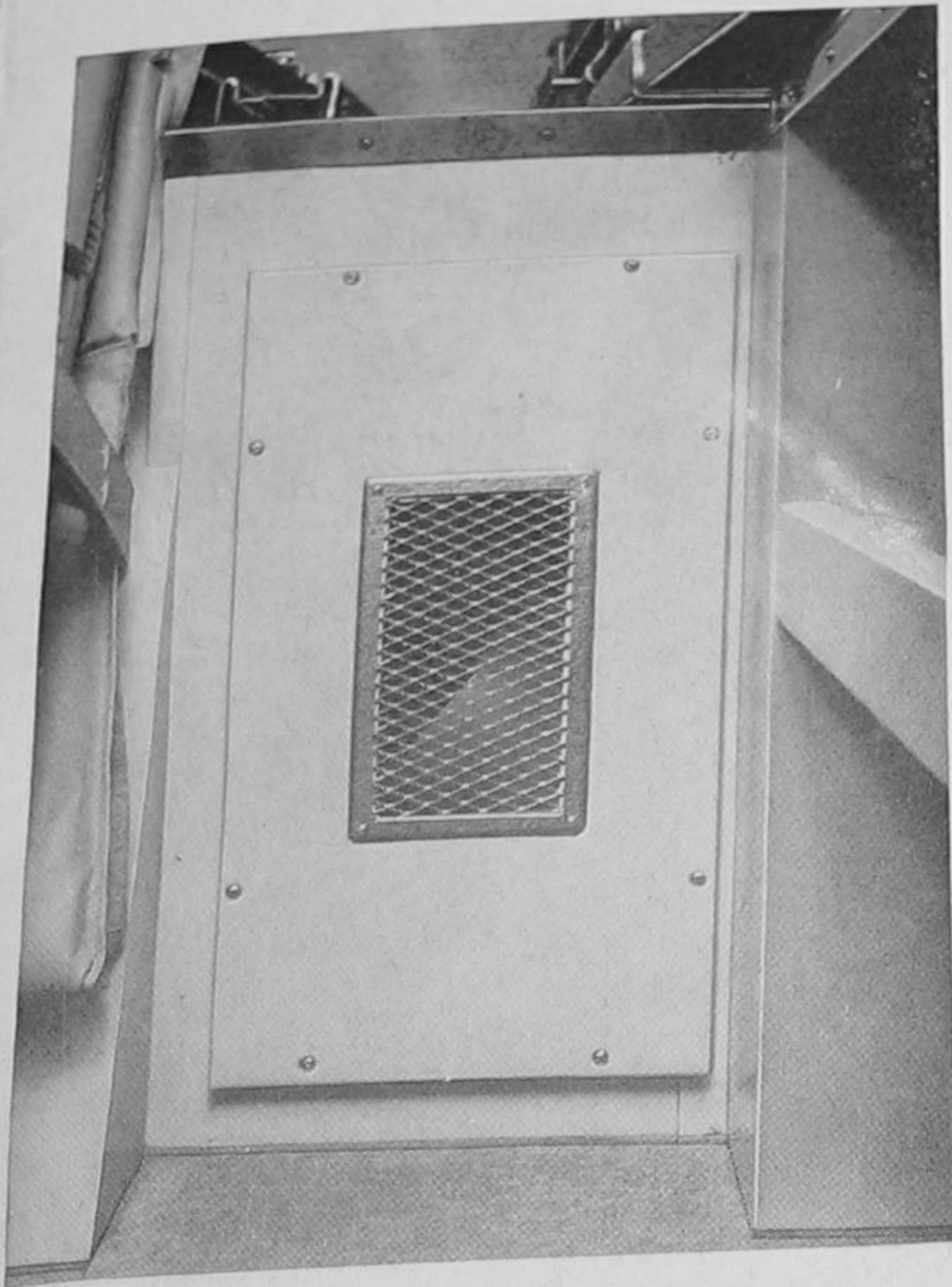
### Note:

The air to be heated is drawn in through an opening on the left at the rear of the body. This opening must always be clear to ensure that the heater air can circulate



properly. Only when the ambulance compartment is being disinfected should the opening be sealed. This will stop strong-smelling disinfectant getting into the heater air ducts.

The warm air comes out through an opening between the stretcher frames at the front of the body.



### 3 – Fog lamps (part of optional extra M 150)

Two fog lamps are installed on the front bumper. They operate only when the parking lights are switched on.

### 4 – Traffic warning system (optional extra)

The traffic warning system, a blue rotating warning light and two special horns with a repeater relay, is operated by a rotary push-pull switch.

When the system is switched on, a control light in the switch knob lights up.

Switch in position 0:  
warning system off

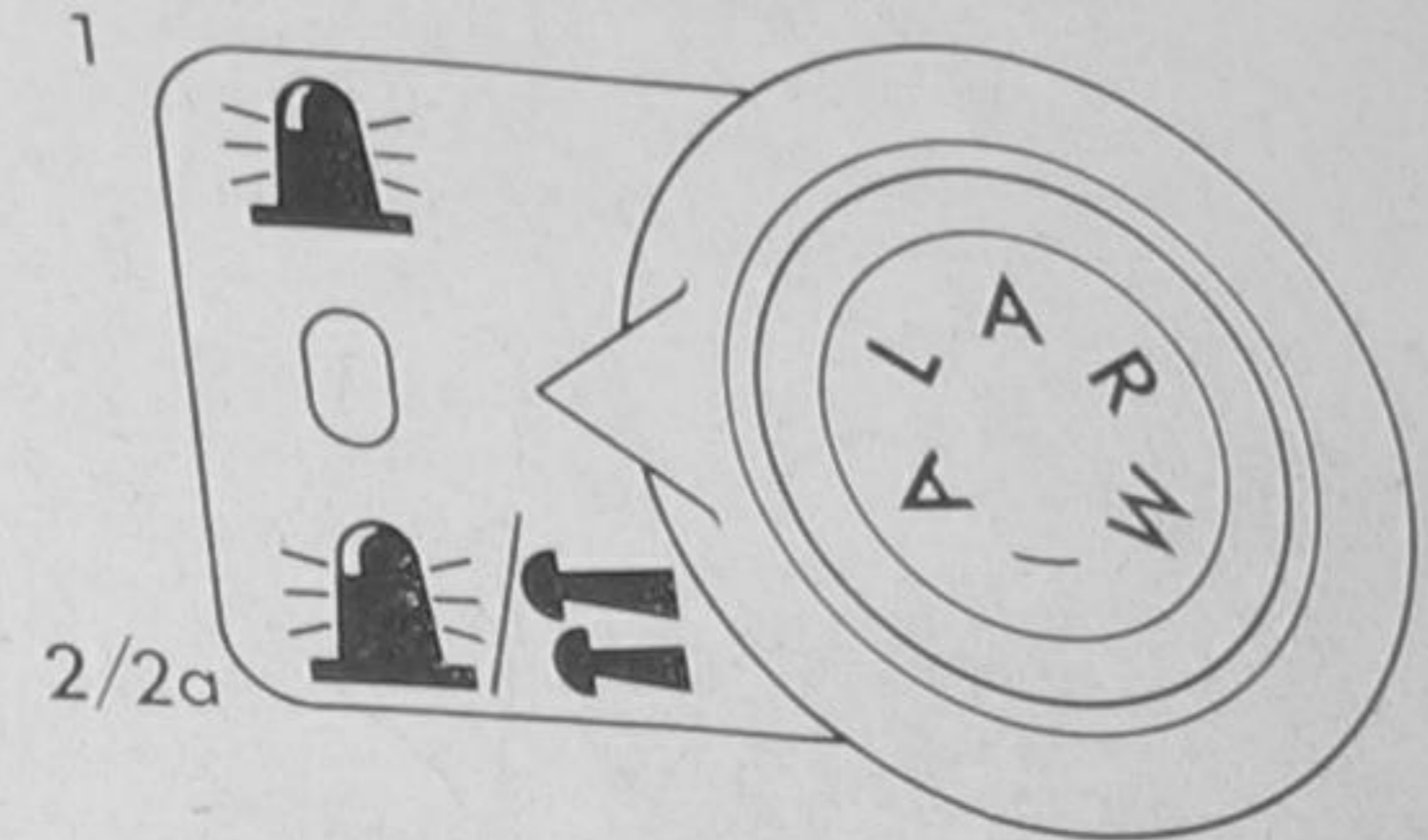
Switch in position 1:  
blue warning light on, horn can be operated normally.

Switch in position 2:  
blue warning light on

Special horn sounds twice when horn button is depressed briefly.

Switch in position 2a (Pulled out in position 2):  
blue warning light and continuous horn.

The switch knob can also be pulled straight out to position 2a from the zero position.



### 5 – Electrical sockets

A second socket is fitted in the ambulance compartment behind the portable chair above the rotary switch for the ventilator fan. See center picture on page 13.

### 6 - Spot light

The spot light can be used inside the vehicle or it can be taken out of the vehicle after pulling the cable out of the opening in the instrument panel. Pass cable back into slot after use. Do not shorten the cable. The spot light only works when the vehicle lights are switched on.

### Hooks for plasma bottles

Above the two stretchers, on the center roof bow, there are two hooks for attaching plasma bottles.

### Interior lights

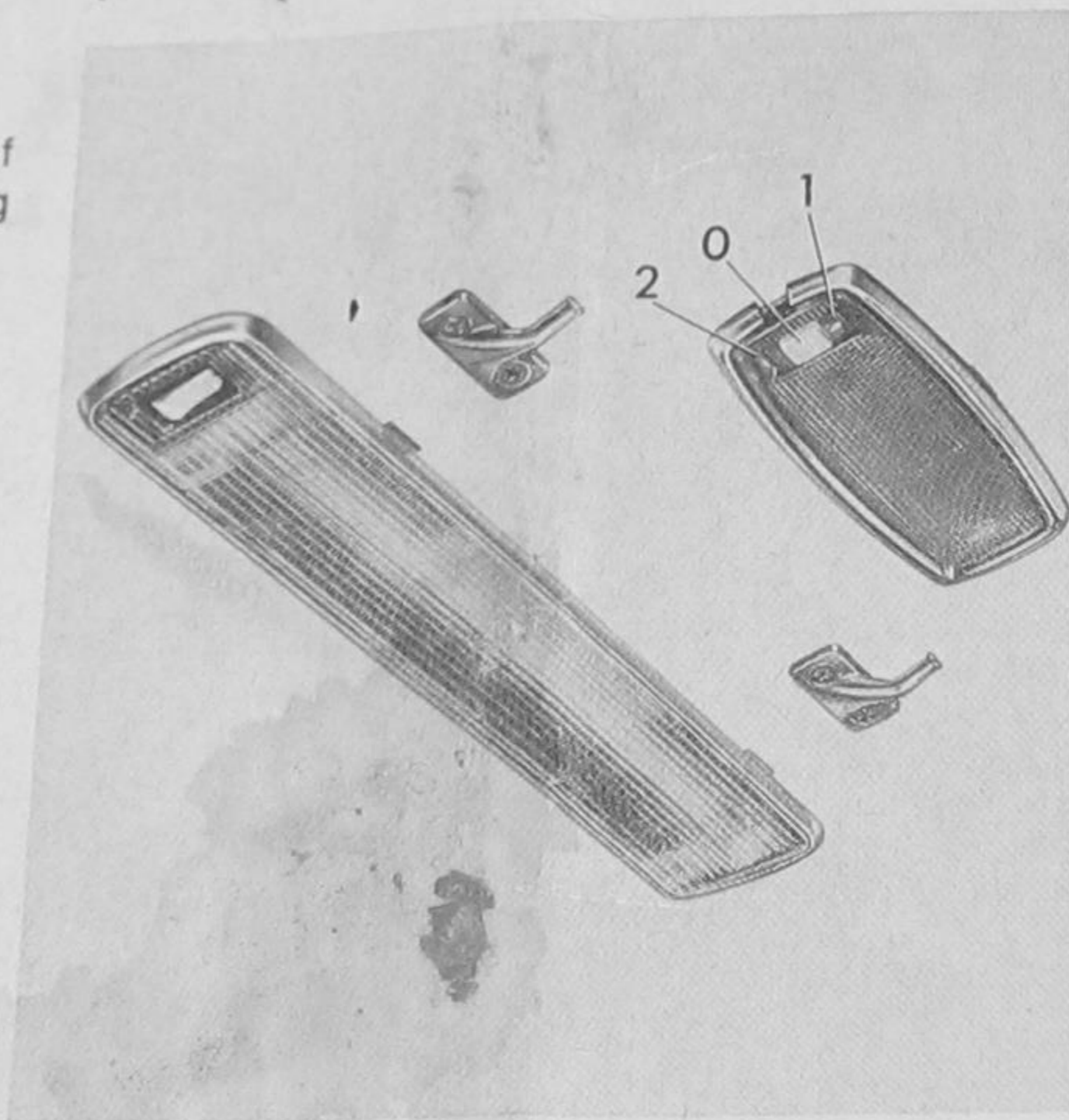
There are two lights in the ambulance compartment. The positions of the switch for the small interior light are:

1 = on

0 = off

2 = on, only when rear flap is opened.

Additional light is provided by the larger neon lamp which gives much more light for the same current consumption. This lamp can be switched on and off at the lens and by the driver at switch -7- on the instrument panel.



### Buzzer

A buzzer is fitted in the cab and there is an operating button on each side above the rear side windows in the ambulance compartment.

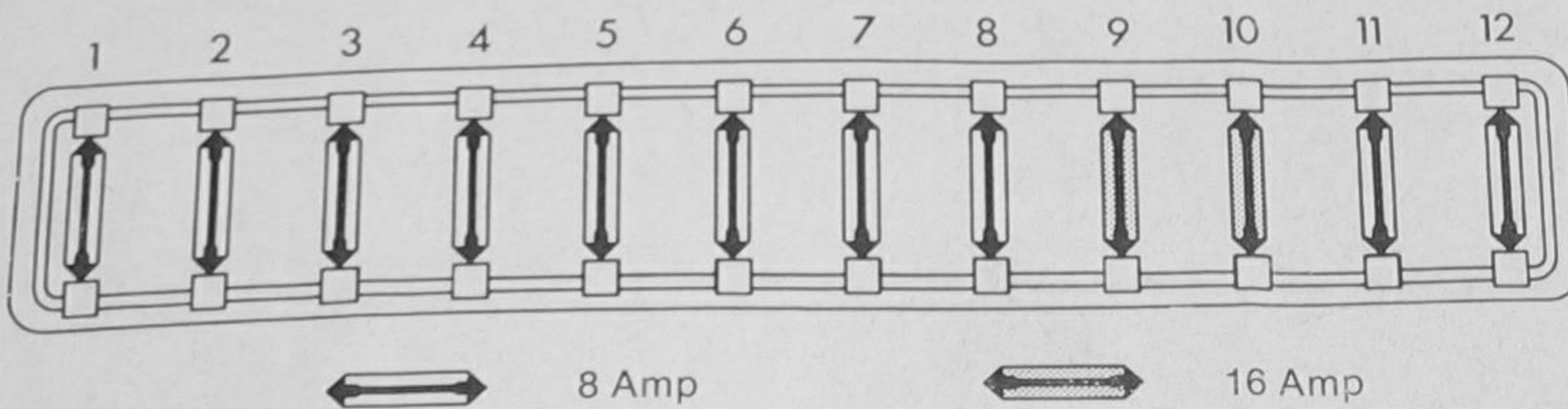
### Back-up lights

Two back-up lights are installed in the rear lights and operate when reverse gear is engaged and the ignition is switched on.



## Fuses

- |   |   |
|---|---|
| 1 Tail light left, spot light                           | 7 Fresh air fan *) in driver's cab, Fog lamps *)  |
| 2 Tail light right, Parking lights, License plate light | 8 Front socket, traffic warning system *), emergency light system   |
| Low beam left   | 9 Interior lights, Red Cross lamp, roof fan, rear socket, heater *) (control current)                       |
| 4 Low beam right  | 10 Windshield wipers, heater *) (control current)   |
| 5 High beam left  | 11 Turn signals, fuel gauge, oil pressure warning light   |
| High beam warning lamp                                  | 12 Horn, brake lights, traffic warning system *), heated rear window *, dual circuit brake warning light *) |
| 6 High beam right                                       |   |



## Additional fuses in separate holders

Component	Amperage	Location
Reversing lights	8 Amp	Engine compartment
Heater:		
Working current	16 Amp	} Under instrument panel
Overheating switch	8 Amp	
Additional warm air blower	16 Amp	Engine compartment

\* Optional extra

## Other equipment

### Glass partition with roller blind

Between cab and ambulance compartment is a glass partition. A sliding glass pane is fitted on the right hand side to connect the two compartments. The sliding pane can be fixed in any desired position.

At night, the glass partition can be covered with a roller blind so that the lights in the ambulance compartment can be used when the vehicle is in motion without dazzling the driver.

### Roof aerial

If the ambulance is to be fitted with twoway radio, the aerial should be installed on the roof above the ambulance compartment behind the zip fastener in the headlining.

### Mounting plate for a fire extinguisher (part of optional extra M 150)

This reinforcement plate is installed on the front panel on the right hand side.

## Care and maintenance

### Retractable step

There are five grease nipples on the pivots and the hook-shaped release lever. These points should be greased every 6000 miles (10 000 km).

### Care of leatherette

Seat covers, headlining and ambulance compartment side panels are of leatherette. Instructions on cleaning these parts are given in the vehicle instruction manual (Part 2).



## Standard equipment in ambulance

### General equipment

Ivory colored paintwork  
Illuminated sign on roof (Maltese or Red Cross)  
Chrome plated door handles and wheel caps  
Two back-up lights  
Mud flaps for rear wheels and in front of step  
Laminated glass windshield  
Radial ply tires

### Ambulance compartment equipment

Stretcher guides with extending platform of polished stainless steel, fixed on left, folding on right  
1 rigid stretcher, adjustable for height, footrest  
2 folding stretchers both stretchers locked on all four wheels  
2 Underlays  
1 portable chair (padded) with folding footrest  
1 Seat for attendant  
Belts for portable chair  
1 padded seat with folding backrest on right side  
Sliding door with automatic step  
4 Grab handles  
one of which is above the door

1 Pocket for splints

1 Buzzer

Floor and stretcher tables covered with linoleum

Side panels and roof covered with cream colored plastic

Cupboard and drawers for equipment and bandages with room for portable first aid kit

Vent wing on each side

$\frac{3}{4}$  frosted glass window

Window protection bars on rear flap

1 Socket with voltage check, for baby cot

1 Neon lamp (25 lux)

1 other lamp (10 lux)

additional switch in rear flap for 10 lux lamp

Electric fan in roof

Hooks for plasma bottles

Zip fastener for aerial connection

Adjustable heating

Provision for 2nd battery in left stretcher table

### Cab equipment

1 Spot light

Provision for two-way radio

Fully lined cab

Sliding window in cab rear panel

Roller blind with runners

Socket for hand lamp

Heater vents in cab rear panel for ambulance compartment

## Optional equipment (at extra cost)

- 1 – **M 121**  
Fresh air fan at front
- 2 – **M 150**  
Two fog lamps on bumper  
Permanent underseal  
Tire pressures painted on above wheels  
Symbols on knobs near windshield  
Reinforcement plate for fire extinguisher under trim panel in cab  
Additional brackets for various items of equipment in accordance with German Standards  
Transparent battery  
Obligatory combination with M 623
- 3 – **M 60**  
Eberspächer heater with air recirculation
- 4 – **M 152**  
Simple guides and stretcher on the right
- 5 – **M 160**  
Rotating blue light and dual-tone horns
- 6 – **M 208**  
Trailer towing attachment
- 7 – **M 259**  
Single passenger seat
- 8 – **M 507**  
Vent wings in the cab doors
- 9 – **M 546**  
Additional warning flashers on roof at rear
- 10 – **M 623**  
Fully suppressed for two-way radio but without diagnosis socket

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