

# BIG TRUCK

Sam Lino  
05268

**MFG: SARITORI**  
**ROTATION: CW**  
**CAPACITY: ADULTS 0**

**RPM: 6 FEET PER SECOND**  
**HEIGHT RESTRICTIONS: —**  
**CHILDREN 16**

## DAILY PRE-OPENING INSPECTION

1. Blocking and jack
2. Passenger vehicles
3. Passenger restraints

4. Fencing and gates
5. Electrical equipment
6. Safety circuits

**MFG: SARTORI IMPORT-EXPOR**  
**S.P.A.**  
**NAME: BIG TRUCK**  
**TYPE: KIDDIE**

## OPERATION OF RIDE

1. Make certain all passengers are seated
2. Passenger restraints are in place
3. Gates are closed and secure

## RIDE OPERATOR'S FUNCTIONS

1. Read the service/operation manual and be aware of proper operation, maintenance and safety procedures
2. Monitor condition and conduct of your passengers (sickness, horseplay—stop ride if either occur)
3. Monitor operation of ride—if different than last cycle stop the ride, call supervisor
4. Make certain all employees are in safe area

## GENERAL SAFETY PROCEDURES

1. No smoking
2. Riders must remain seated at all times
3. No food or drinks
4. Shirts and shoes must be worn

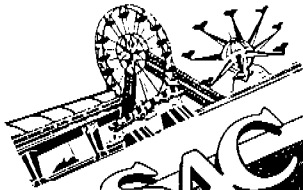
## EMERGENCY PROCEDURES

1. Ensure the ride has stopped and can not restart
2. Evacuate passengers as quickly and safely as possible

## PROCEDURE FOR AN INCIDENT

1. Call your supervisor and First Aid or other services if required
2. **DO NOT MOVE THE INJURED PERSON**
3. Cover the injured person to help reduce shock
4. Assist in crowd control to make way for emergency vehicles
5. Fill out accident report while the incident is still fresh in your mind

CARNYTOWN.COM



**SAC SARTORI** s.r.l.

COSTRUZIONI ATTREZZATURE PER PARCHI DIVERTIMENTO

**BIG TRUCK**

**MOD. RS / 334**

**TRAILER MOUNTED**

**OPERATION AND MAINTENANCE MANUAL BOOK**



MANUFACTURERS OF EQUIPMENT AND RIDES FOR AMUSEMENT PARKS

**SAC SARTORI** s.r.l.

ZONA INDUSTRIALE - 35044 MONTAGNANA (PADOVA) ITALY  
☎ (0429) 81423-81915 - TELEX 430394 SAPARK I - TELEFAX (0429) 800333



## GENERAL INDEX

- 1) TECHNICAL DATA
- 2) TECHNICAL DRAWINGS
- 3) ORDINARY MAINTENANCE
- 4) OPERATION
- 5) WHAT TO DO IF ....
- 6) GENERAL SAFETY REGULATIONS

**TECHNICAL DATA**  
**TRAILER MOUNTED MODEL**

MOVING POWER	kW 3
LIGHTING	kW 4
MOVING POWER VOLTAGE	220/380 V TRI-PHASE
LIGHTING VOLTAGE	110/220 V SINGLE-PHASE
FREQUENCY	50/60 Hz
VEHICLES	4
TOTAL CAPACITY	16 RIDERS
SIZES	MTS 6 x 11 FEET 19.7 x 40
WEIGHT	KGS. 4.800 / LBS. 10.600

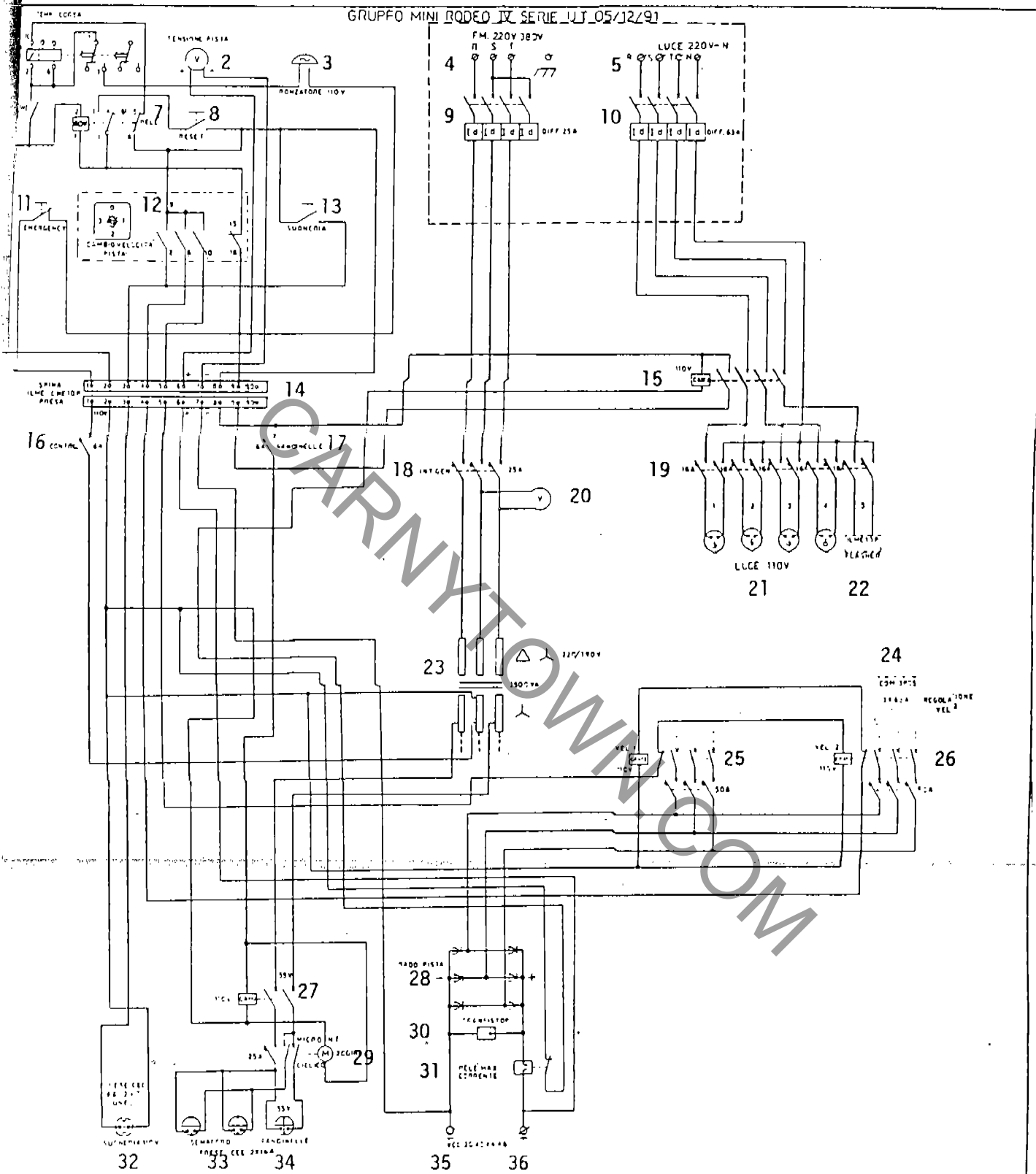
TECHNICAL DRAWINGS

A ELECTRIC PLAN

B LIST OF ELECTRIC COMPONENTS

CARNYTOWN.COM

GRUPPO MINI RODEO IX SERIE UJ\_05/12/91



## LIST OF ELECTRIC COMPONENTS

### U.S. STANDARD

- 01) TIMER OMROM TIME RIDE
- 02) VOLTMETER MOVING POWER
- 03) SOUND TO ADVISE THE END OF THE RIDE
- 04) PLUG MOVING POWER
- 05) PLUG LIGHT
- 06) TIMER EXCLUDER
- 07) RELAIS
- 08) RESET BUTTON
- 09) DIFFERENTIAL SWITCH MOVING POWER
- 10) DIFFERENTIAL SWITCH LIGHT
- 11) EMERGENCY BUTTON
- 12) COMMUTATOR START VEHICLES
- 13) BELL BUTTON
- 14) PLUG ILME 10 POLES
- 15) SWITCH LIGHT
- 16) MAGNETO-THERMAL SWITCH TO PROTECT RECTIFIER
- 17) MAGNETO-THERMAL SWITCH LIGHT TRACK
- 18) GENERAL SWITCH

- 19) MAGNETO-THERMAL SWITCH LINE LIGHTS
- 20) VOLTMETER POWER TRACK
- 21) PLUG LIGHT LINES
- 22) PLUG ILME 10 POLES
- 23) RECTIFIER
- 24) COMMUTATOR MAXIMUM SPEED VEHICLES CHANGING
- 25) LIMIT-SWITCH MAXIMUM SPEED VEHICLES
- 26) LIMIT-SWITCH MAXIMUM SPEED VEHICLES
- 27) LIMIT-SWITCH LIGHTS TRACK
- 28) RECTIFIER POWER VEHICLES
- 29) MOTOR FOR LIGHTS TRACK AND TRAFFIC-LIGHTS
- 30) TRANSISTOP
- 31) RELAIS MAXIMUM ABSORPTION
- 32) PLUG FOR BELL
- 33) PLUG FOR TRAFFIC-LIGHTS
- 34) PLUG FOR LIGHTS TRACK
- 35) C.C. NEGATIVE POLE POWER RAIL
- 36) C.C. POSITIVE POLE POWER RAIL

## ORDINARY MAINTENANCE

### **DAILY MAINTENANCE :**

- CHECK IF ALL TRACK SECTIONS ARE PERFECTLY ALIGNED.
- CHECK IF ALL THE SAFETY PINS ARE PROPERLY COUPLED AND FIXED, IF FAILING PLEASE REPLACE THEM.
- CHECK ALL THE ELECTRIC CONNECTIONS IN THE RIDE.
- CHECK THE CORRECT SUPPORT OF THE STABILIZERS, IF INCORRECT RESTORE THEM.
- BEFORE STARTING THE RIDE CHECK IF ALL CONTROL BUTTONS (STOP-START-EMERGENCY) ARE PERFECTLY WORKING. IF THEY ARE NOT, CHECK ALL ELECTRIC CONNECTIONS IN THE CONTROL BOARD.

### **WEEKLY MAINTENANCE :**

- GREASE THE TRACK USING CONDUCTING GRAPHITE GREASE ONLY.
- CHECK IF VEHICLES MOTORS ARE CORRECTLY WORKING SINCE IT IS NOT POSSIBLE TO REALIZE IT DURING NORMAL OPERATION. TO THIS PURPOSE PUT A SUPPORT UNDER THE VEHICLES, SO ALL MOVING WHEELS MUST IDLE WHEN PUSHING THE START BUTTON OF THE CONTROL BOARD.
- CHECK THE WEAR AND TEAR OF THE CONTACT BRUSHES OF THE GUIDE-UNIT AND REPLACE THEM IF NECESSARY (FIG. 1).
- CHECK THE WEAR AND TEAR OF THE NYLON ROLLERS OF THE GUIDE-UNIT AND REPLACE THEM IF NECESSARY (FIG. 1).
- CHECK THE WEAR AND TEAR OF THE VEHICLES TIRES AND REPLACE THEM IF NECESSARY.
- GREASE THE DRIVE CHAINS (4)(FIG. 2-3).
- GREASE THE TWO BEARINGS (5) OF THE BACK AXLE SUPPORTS (6)(FIG. 3).
- CHECK THE PRESSURE OF THE TRAILER'S TIRES 880 PSI MAX. / 5.5 BAR).

## **WARNING !!!**

IT IS STRONGLY ADVISED TO USE ONLY GREASES INDICATED IN THE ENCLOSED LIST.

### ***TWICE A MONTH MAINTENANCE :***

CHECK THE PRESSURE OF THE VEHICLES TIRES (36 PSI MAX. / 2.5 BAR FOR THE MOTORCYCLE AND 40 PSI MAX. / 2.8 BAR FOR THE OTHERS).

CHECK THE STRESS OF THE VEHICLES DRIVE CHAINS IF PRESENT. THE SWINGING WIDTH IN THE LOWER PART OF THE CHAINS MUST BE ABOUT 10 m/m (FIG. 4).

IF IT IS NECESSARY TO ADJUST THE DRIVE CHAIN, FIRST FIND THE MOTOR ON THE VEHICLES, TRIP THE LOCKNUT (1) OF THE ADJUSTING SCREWS (2) THEN UNSCREW THE FOUR SCREWS WHICH KEEP THE MOTOR FIXED (3)(FIG. 2) SCREW DOWN OR UNSCREW THE ADJUSTING SCREWS UP TO GET THE RIGHT STRESS. FIX THE ADJUSTING SCREWS WITH THE LOCKNUT AND THE NUTS WHICH KEEP THE MOTOR FIXED. IT IS ALWAYS NECESSARY TO CARE FOR THE MOTOR PITCH ATTITUDE TO BE PERPENDICULAR TO THE TRIM OF THE DRIVE CHAIN. DO NOT USE ANY VEHICLES WHEN THE CHAIN HAS TOO MUCH STRESS.

### ***EXTRAORDINARY MAINTENANCE***

AFTER THE FIRST 30 HOURS OPERATION CHECK AND FIX ALL THE NUTS OF THE RIDE.

### ***ATTENTION !!!***

ALL MAINTENANCE OPERATIONS MUST BE DONE AND CARRIED OUT BY QUALIFIED PERSONNEL ONLY AND WITH **NO ELECTRICAL POWER IN THE RIDE** (EXCLUDED TESTING OF THE ELECTRIC MOTORS).

Greases  
Graisses  
Grassi  
Grasas



●

Aralub HL 2

▲

Aralub LFZ 1

●

BP Energrease  
LS 2

▲

BP Energol WRL

●

Castrol  
Spheerol AP 2

▲

Castrol  
Grippa 33 S

Chevron



Esso

Gulf

●

Chevron  
Dura-Lith  
Grease 2

▲

Chevron  
Plinon  
Grease MS

●

BEACON 2

▲

SURETT  
Fluid 4 K

●

GULF CROWN  
Grease No. 2

▲

GULF  
LUBCOTE No. 2

## OPERATION

FIRST TURN THE DIFFERENTIAL SWITCH MOVING POWER (6) THE SINGLE PHASE DIFFERENTIAL SWITCH (7) AND THE THERMAL LINE SWITCHES (8) OF THE GENERAL CONTROL BOARD (9) ON (FIG. 5) THEN IT IS SUFFICIENT TO PUSH THE BUTTON "START" (10) ON THE CONTROL BOARD (11)(FIG. 6) TO START THE RIDE. TO STOP THE RIDE IT IS NECESSARY TO PUSH THE BUTTON "STOP" (12)(FIG. 6).

IN CASE OF IMMEDIATE DANGER PUSH THE RED BUTTON "EMERGENCY" (13)(FIG. 6) WHICH COMPLETELY STOPS THE AMUSEMENT'S RIDE.

TO START THE RIDE AGAIN IT IS NECESSARY TO TURN CLOCKWISE THE BUTTON "EMERGENCY" (13)(FIG. 6) AND EVERYTHING WILL GO BACK TO NORMAL WORKING.

ON THE CONTROL BOARD THERE IS A AUTOMATIC STOP TIMER WHICH CAN BE CONNECTED WITH THE SWITCH (15)(FIG. 6).

TO LIMIT THE RIDE TIME IT IS SUFFICIENT TO TURN THE OUTER O-RING (16)(FIG. 6) OF THE TIMER AND TO FIX IT ON THE DESIRED TIME.

THE CONTROL BOARD IS ALSO SUPPLIED WITH A "BELL" BUTTON (17)(FIG. 6) RINGING AT THE ROUND STARTING AND A "VOLTMETER" ((18)(FIG. 6) TO CONTROL THE SPEED VARIATIONS.

THERE ARE THREE SWITCHES (19-20-21) ON THE GENERAL CONTROL BOARD (9)(FIG. 5) TO EXCLUDE THE TRAFFIC-LIGHTS, THE VEHICLES LIGHT AND THE TRACK LIGHT. ON THE GENERAL CONTROL BOARD THERE IS ALSO A VOLTMETER (22)(FIG. 5) TO CONTROL THE FEEDING VOLTAGE.

TO COME TO A COMPLETE STOP OF THE RIDE, PRESS THE BUTTON "STOP" (12)(FIG. 6) PUSH THE LINE SWITCH DOWN (8)(FIG. 5), PRESS THE BUTTONS OF THE DIFFERENTIAL SWITCHES MOVING POWER (23A)(FIG. 5) AND THE ONE OF THE SINGLE PHASE SWITCH (23B) AND CAREFULLY LOCK THE BOXES OF THE GENERAL CONTROL BOARD (9)(FIG. 5) AND OF THE CONTROL BOARD (11)(FIG. 6)

## WHAT TO DO IF ...

### ***THE ATTRACTION DOES NOT RESPOND TO THE START CONTROLS :***

IF THE VEHICLES DO NOT MOVE PUSHING THE "START" BUTTON (10)(FIG. 6) IF THE POWER VARIATIONS ( 19V 26V 39V) ON THE VOLTMETER (18)(FIG. 6) ARE NOT REGULAR OR IF THE GENERAL CONTROL BOARD (9)(FIG. 5) MAKES AN UNUSUAL BUZZING NOISE, CHECK THE CONTROL (24) AND THE POWER FUSES (25)(FIG. 7-8) ON THE GENERAL ELECTRIC BOARD (9)(FIG. 5).

TO ENTER INSIDE THE GENERAL CONTROL BOARD (9)(FIG. 5) REMOVE THE TRACK PANEL (26)(FIG. 9) UNCAP THE BOARD UNSCREWING THE FIXING SCREW (27)(FIG. 9) TAKE IT OUT, OPEN THE CAP (28)(FIG. 10) UNSCREWING THE FOUR SCREWS (29)(FIG. 10).

### ***THE TRACK LIGHTS DO NOT WORK OR DO NOT WORK PROPERLY :***

CHECK THE FUSES (30) OF THE ELECTRIC BOX (31-33)(FIG. 11) PLACED INSIDE THE GENERAL ELECTRIC BOARD (9)(FIG. 5). FURTHERMORE CHECK IF ANY BULBS IS NOT WORKING AND REPLACE IT IF NECESSARY.

### ***TRAFFIC-LIGHTS DO NOT WORK OR DO NOT WORK PROPERLY :***

CHECK THE FUSES (32) OF THE ELECTRIC BOX (33)(FIG. 11) PLACED INSIDE THE GENERAL ELECTRIC BOARD (9)(FIG. 5). FURTHERMORE CHECK IF ANY BULBS IS NOT WORKING AND REPLACE IT IF NECESSARY.

### ***THE SIGN DOES NOT WORK OR DOES NOT WORK PROPERLY :***

CHECK THE FUSES (34) OF THE ELECTRIC BOX (35)(FIG. 12) PLACED ON THE SIDE OF THE HILL OF THE TRACK. FURTHERMORE CHECK IF ANY BULBS IS NOT WORKING AND REPLACE IT IF NECESSARY.

### ***A CAR PUSHES THE OTHERS STANDING ON NORMAL POSITION :***

THE PROBLEM IS CAUSED BY A FAILURE OF THE LOCKING BREAKDOWN DIODE OF THE VEHICLE (38)(FIG. 3). TO REPLACE IT TAKE EVERY ELECTRIC POWER OFF FROM THE RIDE.

### ***A TIRE OF THE TRAILER WAS PUNCTURED BY THE FORWARDING :***

REMOVE THE FOUR SCREWS (36) FIXING THE SIDE PANEL (37)(FIG. 13) UNSCREW THE SCREWS FIXING THE MUDGUARD (38)(FIG. 14) TO THE SIDE PANEL (37)(FIG. 14) THEN REMOVE IT (37)(FIG. 15) AND REPLACE THE TIRE AS FOR A NORMAL CAR.

## GENERAL SAFETY REGULATIONS

### ***SET UP / DISMANTLING***

TO BE DONE ONLY BY QUALIFIED PERSONNEL. MAKE SURE THAT DURING SET UP / DISMANTLING NOBODY STAND IN THE OPERATING AREA.

### ***ELECTRIC SYSTEM***

ELECTRIC CONNECTIONS TO MAIN POWER AND TO THE GROUND MUST BE DONE BY AUTHORIZED QUALIFIED PERSONNEL. CHECK DAILY TO AVOID ANY TAMPERING.

### ***MECHANICAL PARTS***

ALL MAINTENANCE/INSPECTION INSTRUCTIONS OF THE MANUAL BOOK MUST BE STRICTLY OBSERVED.

### ***OPERATION***

BEFORE STARTING THE RIDE, OPERATOR MUST LET THE RIDE OPERATE EMPTY FOR A FEW MINUTES AND CHECK THAT ALL OPERATION SWITCHES **START - STOP - SPEED REGULATION - EMERGENCY** ARE PERFECTLY WORKING.

THIS ATTRACTION HAS BEEN MANUFACTURED FOR CHILDREN FROM 4 UP TO 9 YEARS OLD. IT IS NOT SUGGESTED TO LET TOO LITTLE CHILDREN RIDE.

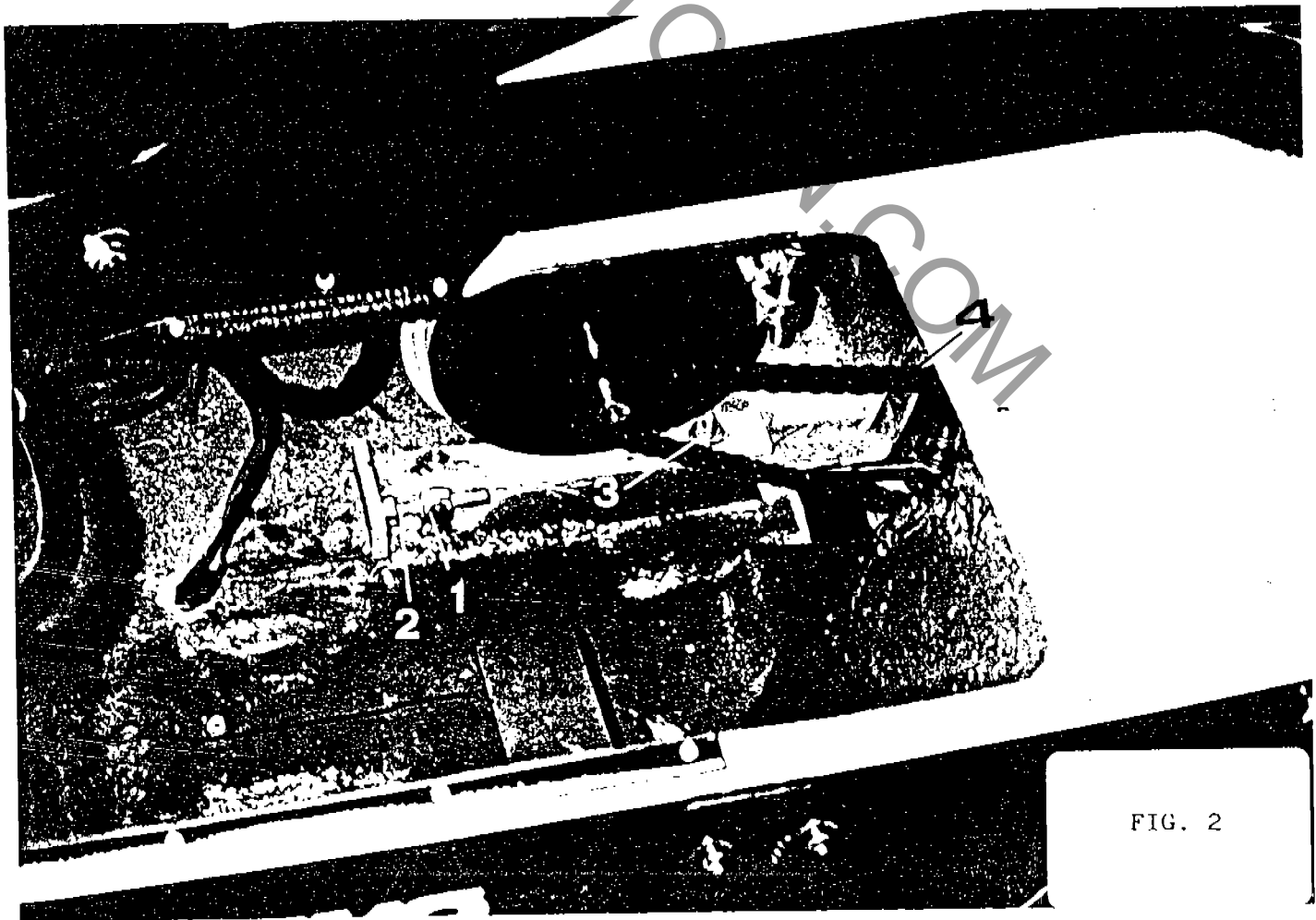
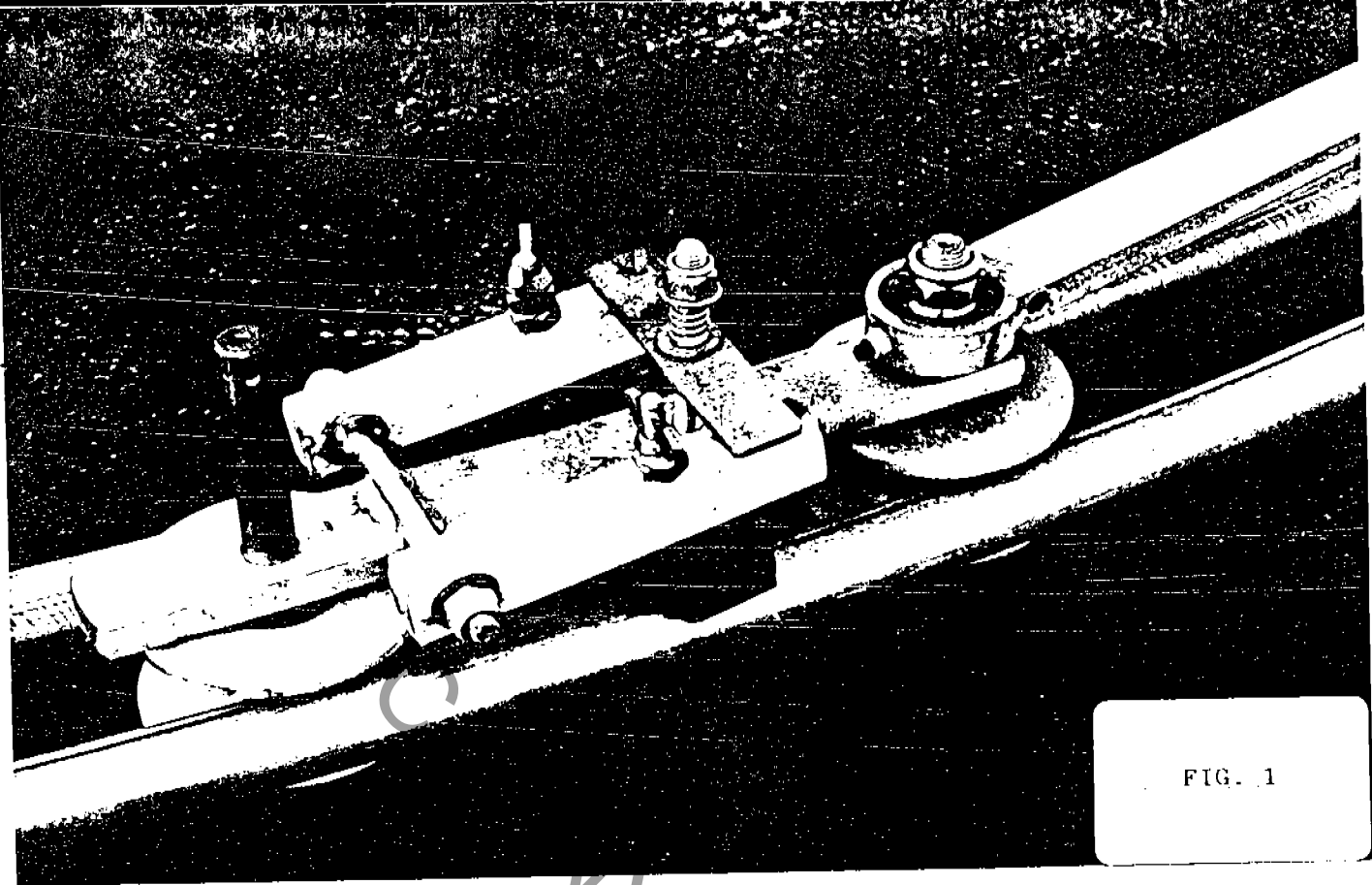
**THE ATTRACTION HAS NOT BEEN DESIGNED AND MANUFACTURED FOR HANDICAPPED CHILDREN.**

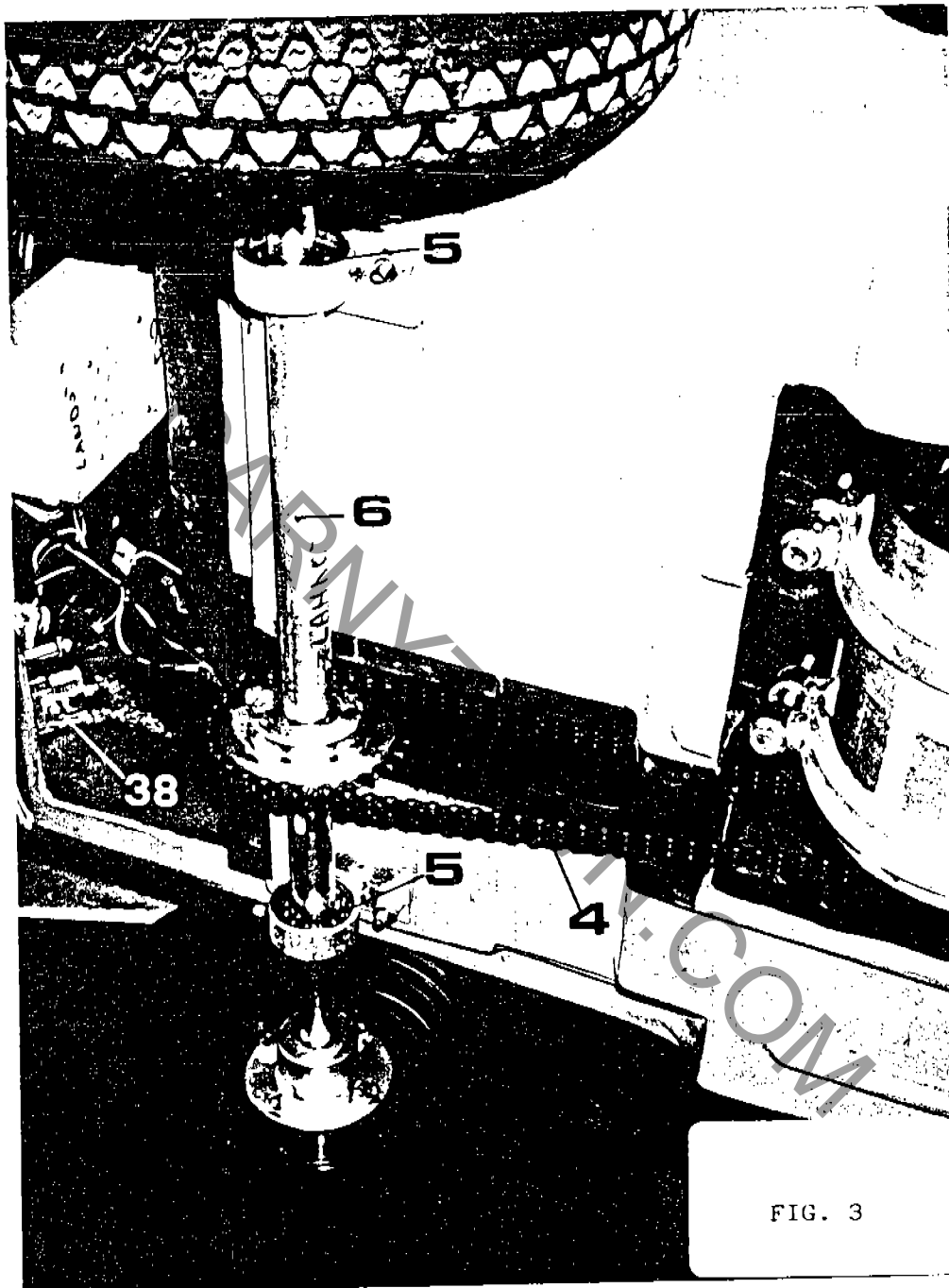
IT IS ABSOLUTELY NECESSARY TO CLOSE ALL CARS WITH PROPER SAFETY GATES. BEFORE STARTING THE RIDE, MAKE SURE THAT NOBODY IS STANDING INSIDE THE SAFETY FENCES AND THAT ALL RIDERS ARE PROPERLY SEATED.

IF DURING OPERATION ANY PASSENGERS TRY TO GET UP OR GET OFF THE VEHICLE OR ANYBODY ELSE TRY TO GET IN THE CAR, THE OPERATOR MUST IMMEDIATELY PUSH THE "EMERGENCY" BUTTON.

**BE EXTREMELY CAREFUL FOR THE RIDERS SAFETY.**

BESIDES THE ABOVE SPECIFIED REGULATIONS, THE OPERATOR MUST STRICTLY CONFORM WITH ALL LOCAL SAFETY REGULATIONS IN FORCE IN THE COUNTRY WHERE THIS RIDE WILL OPERATE.





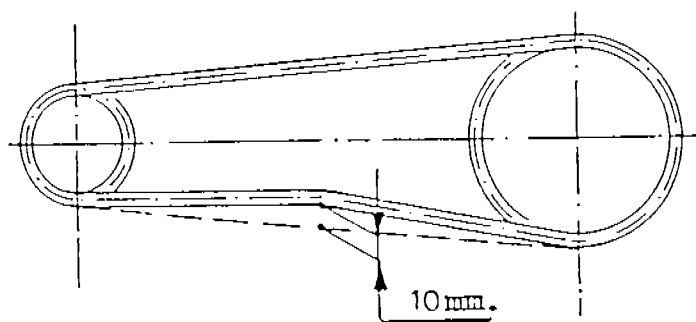


FIG. 4

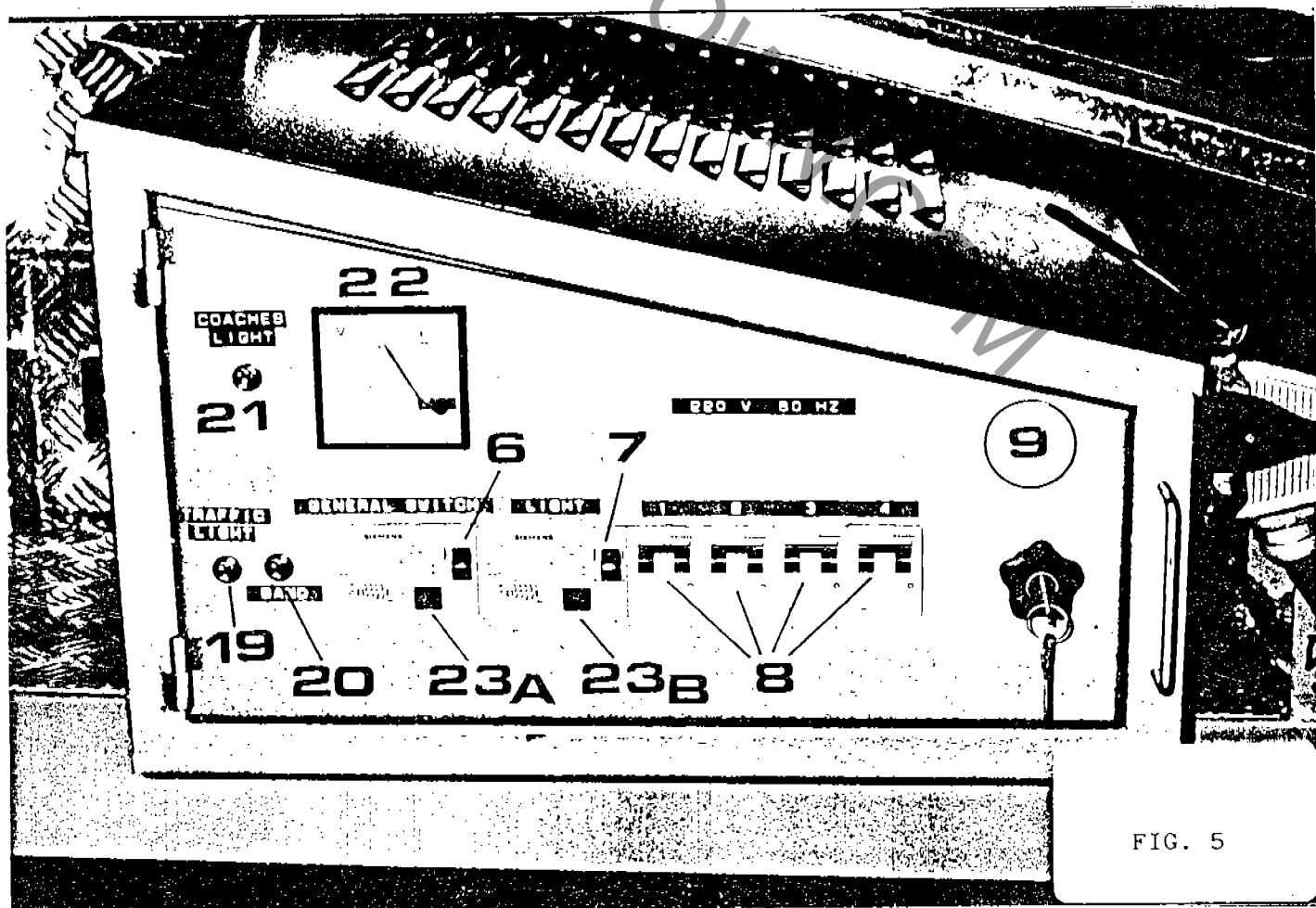


FIG. 5

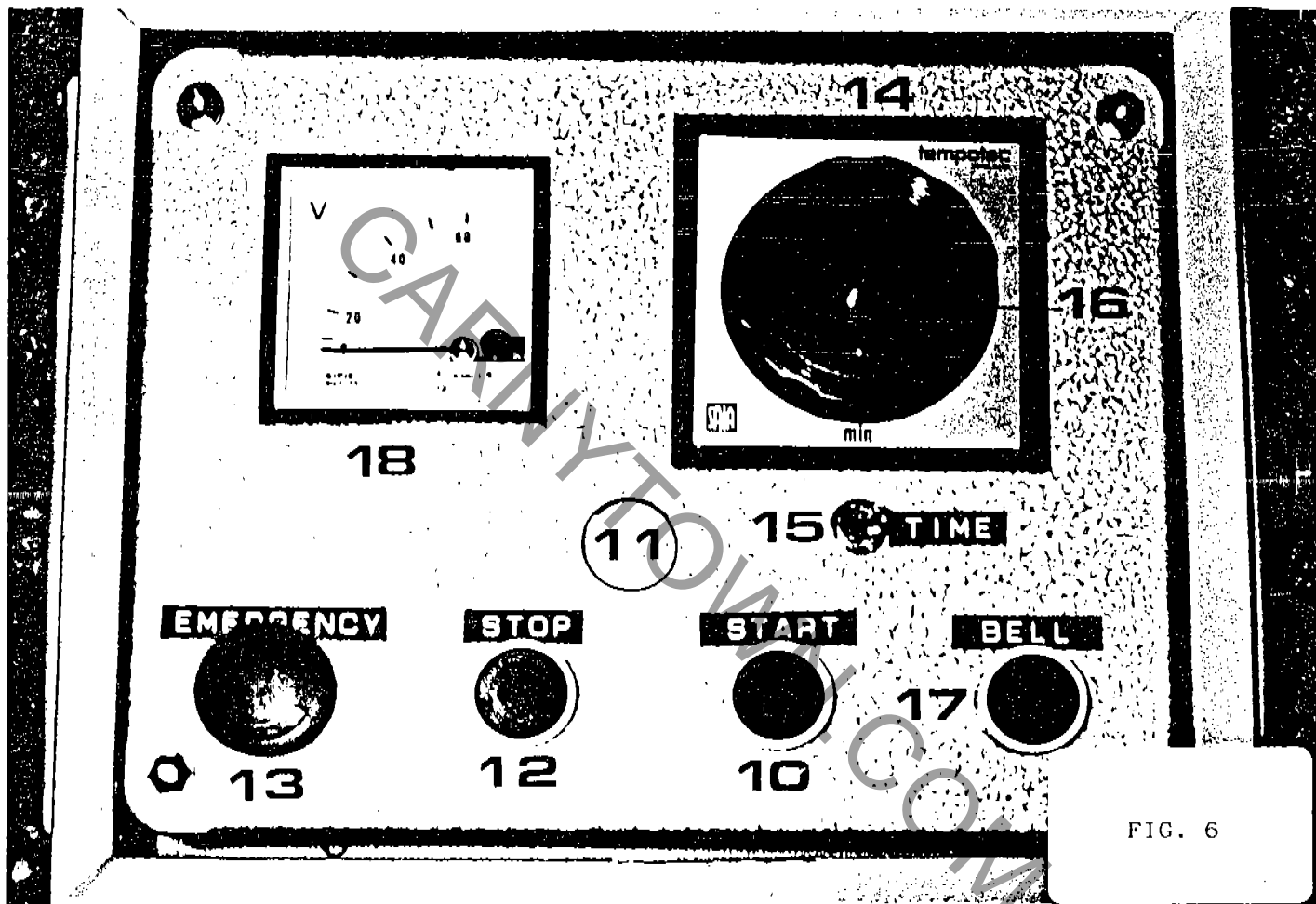
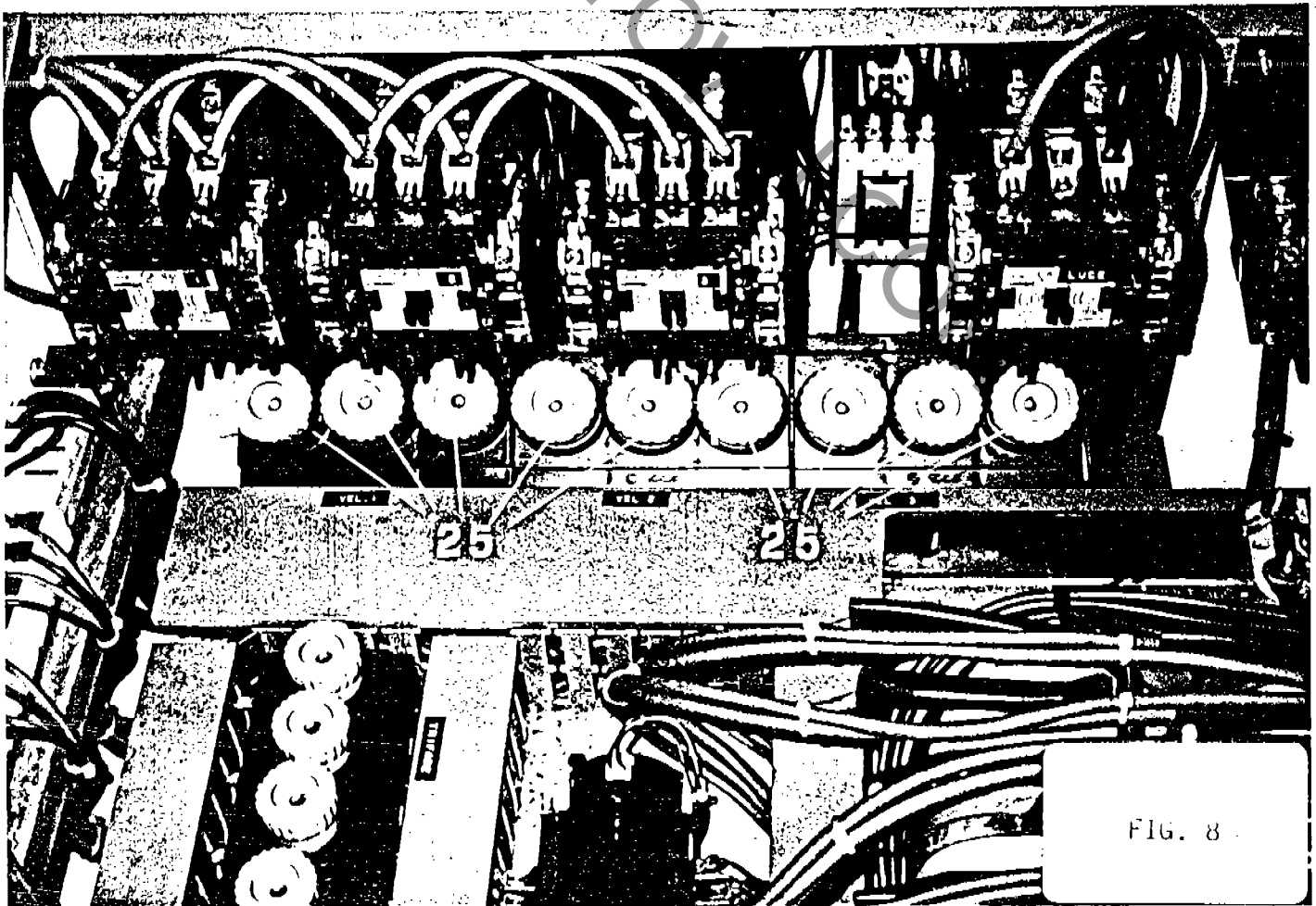
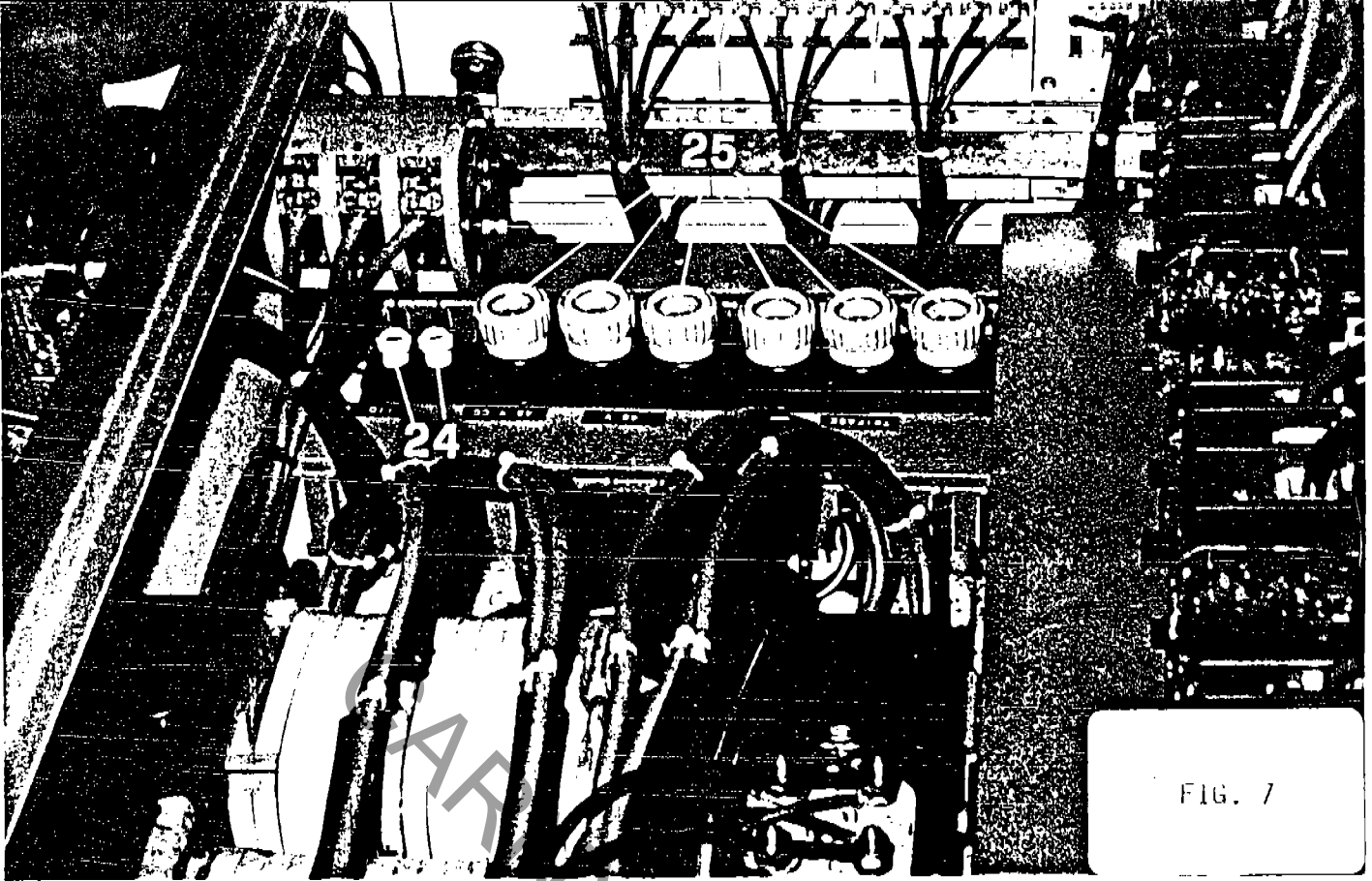
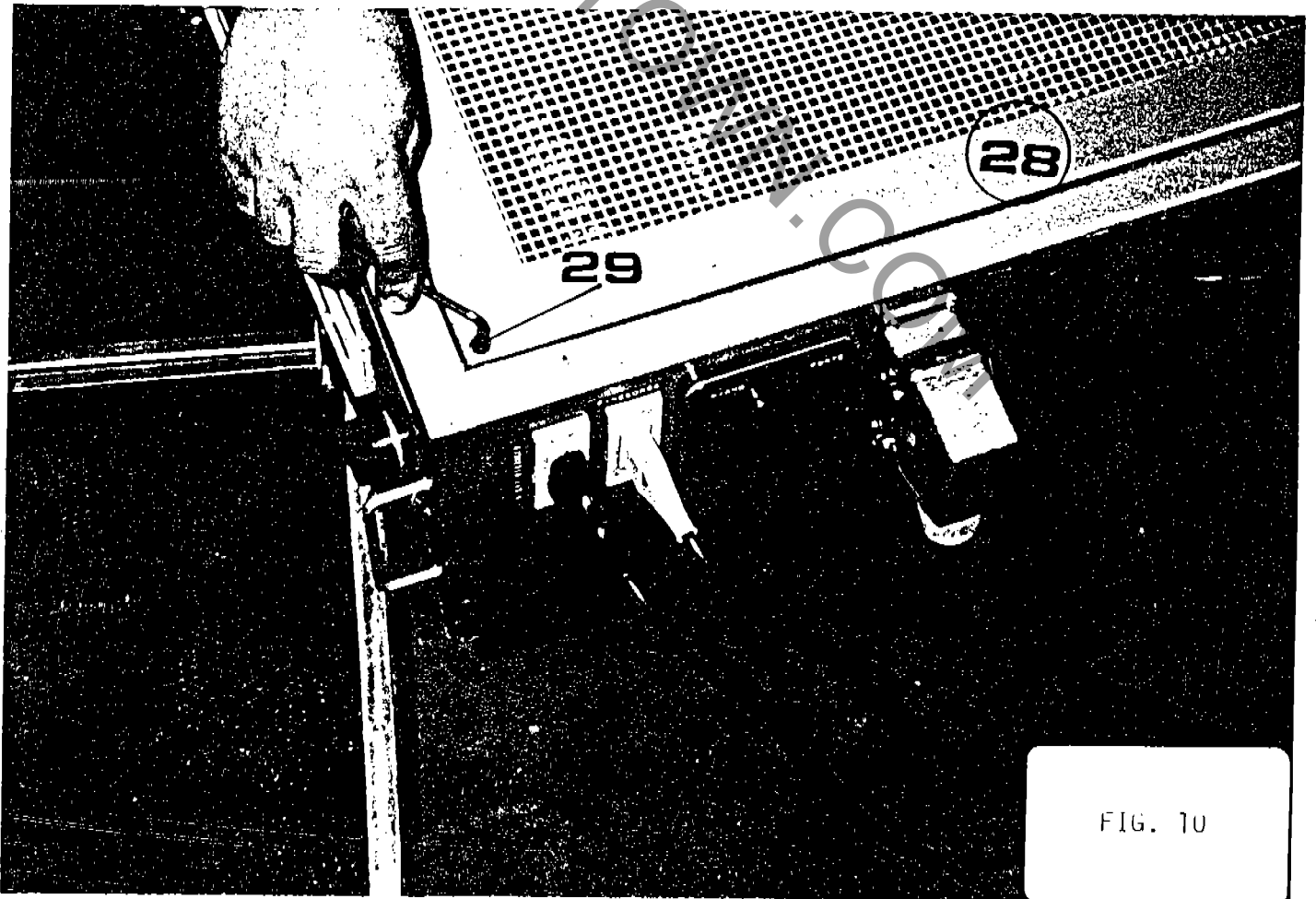
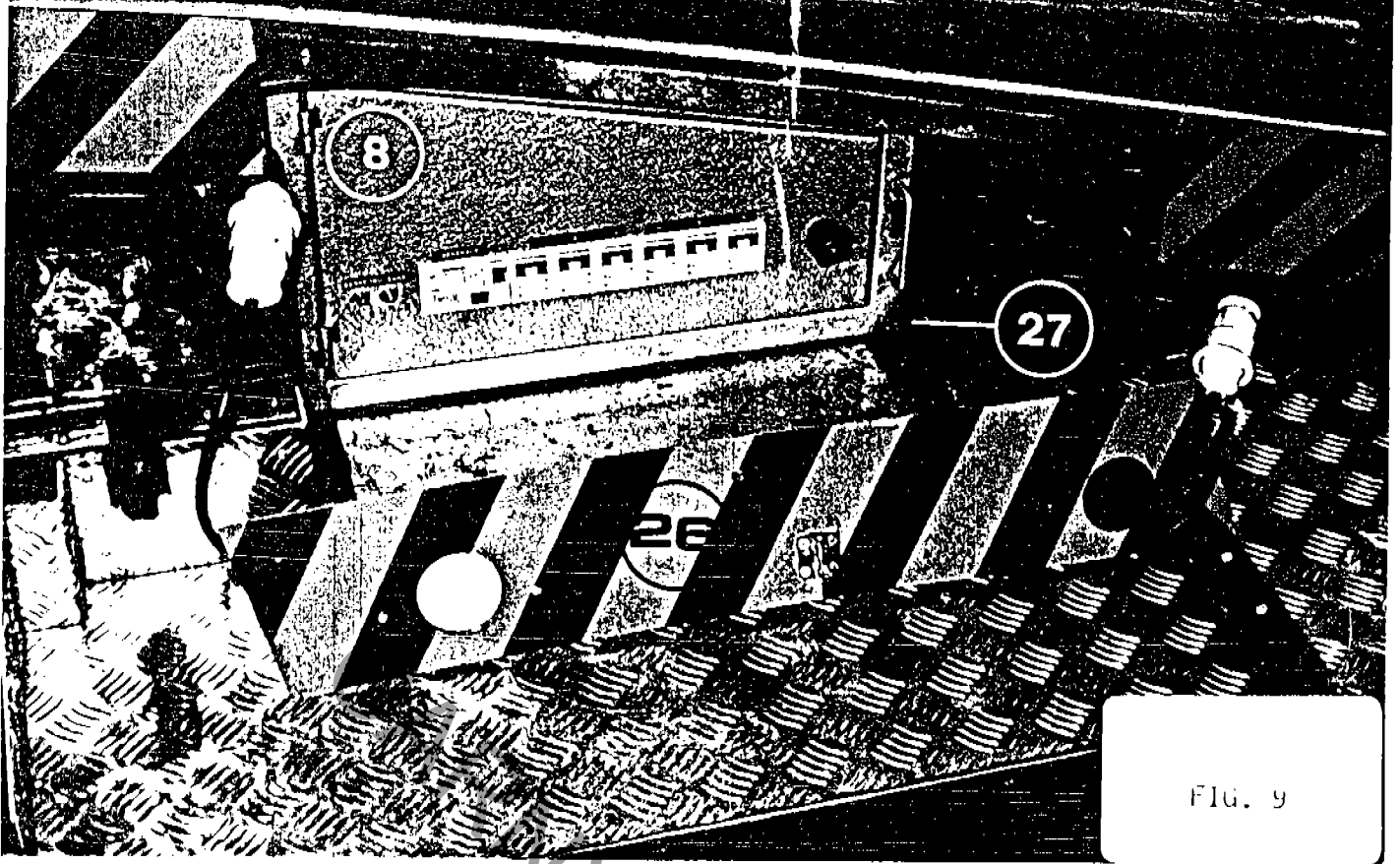


FIG. 6





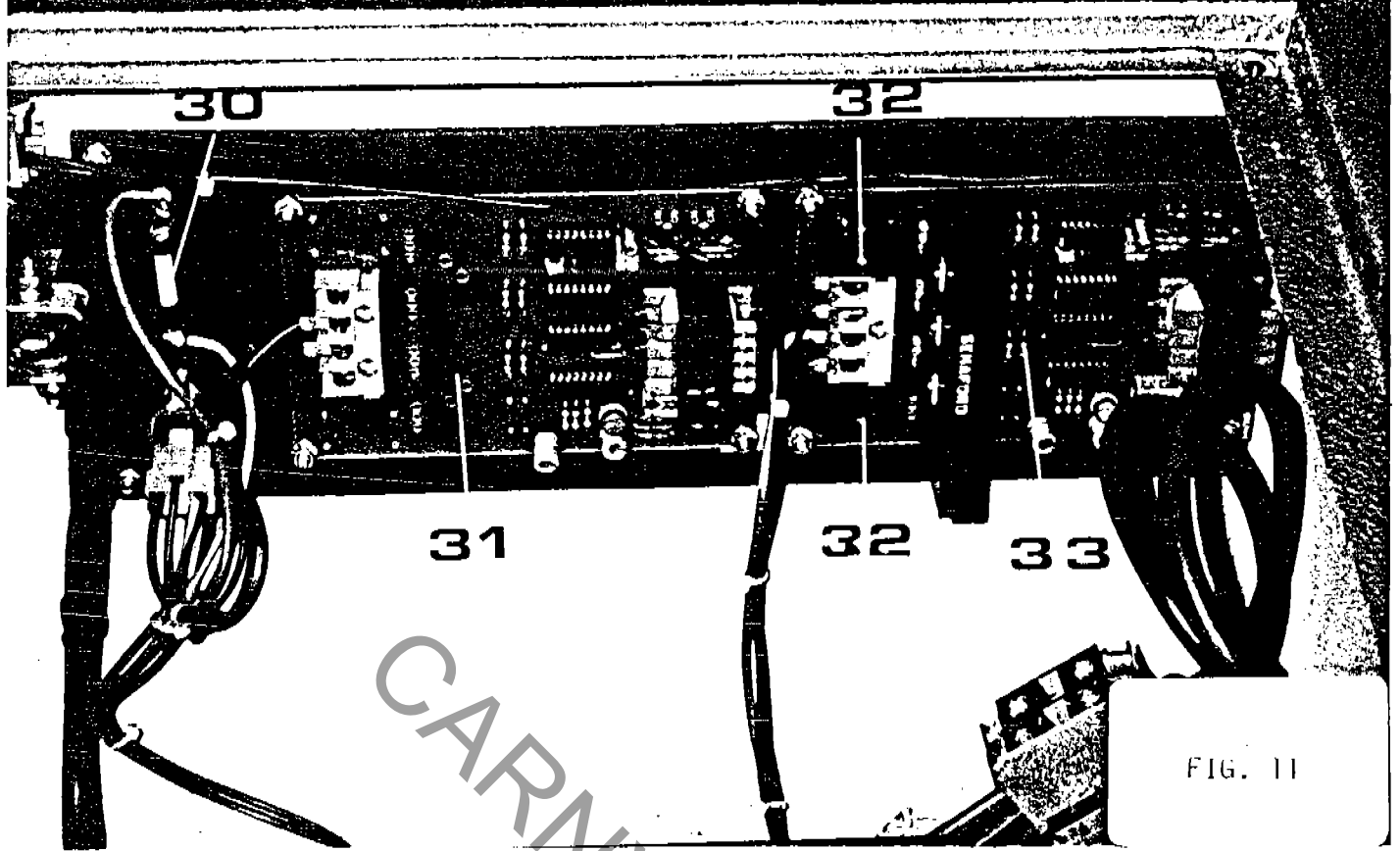


FIG. 11

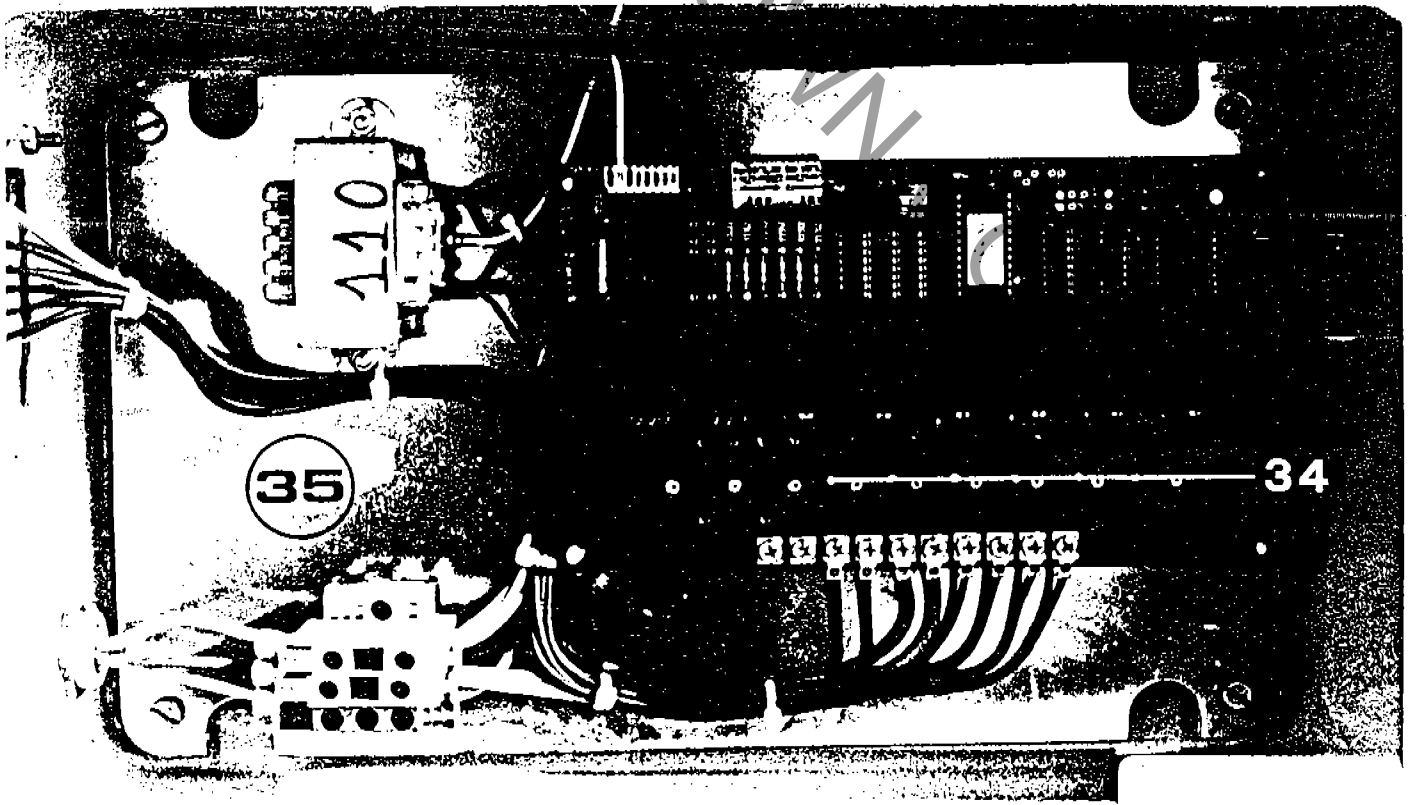


FIG. 12

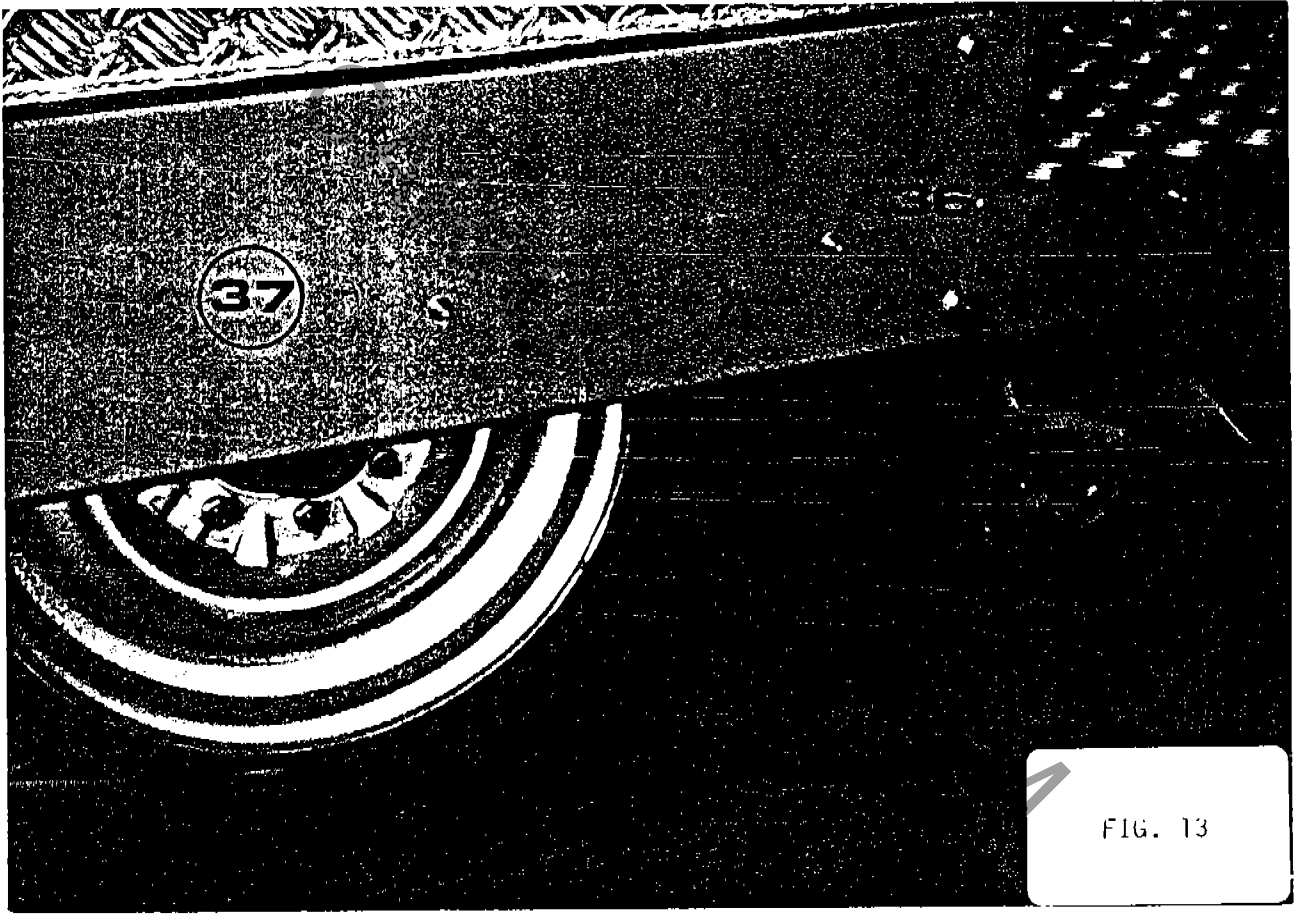


FIG. 13



Fig. 14

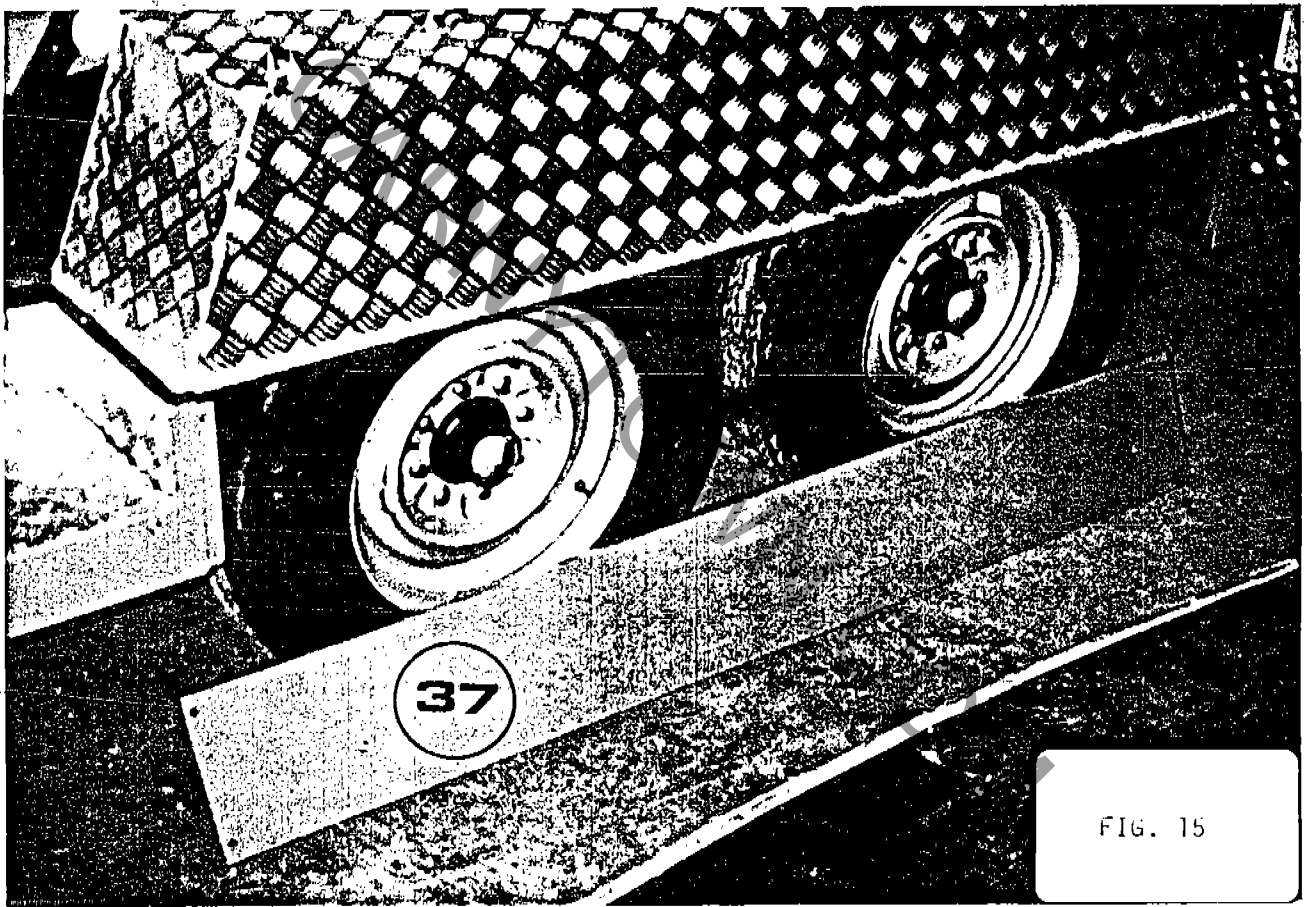


FIG. 15