



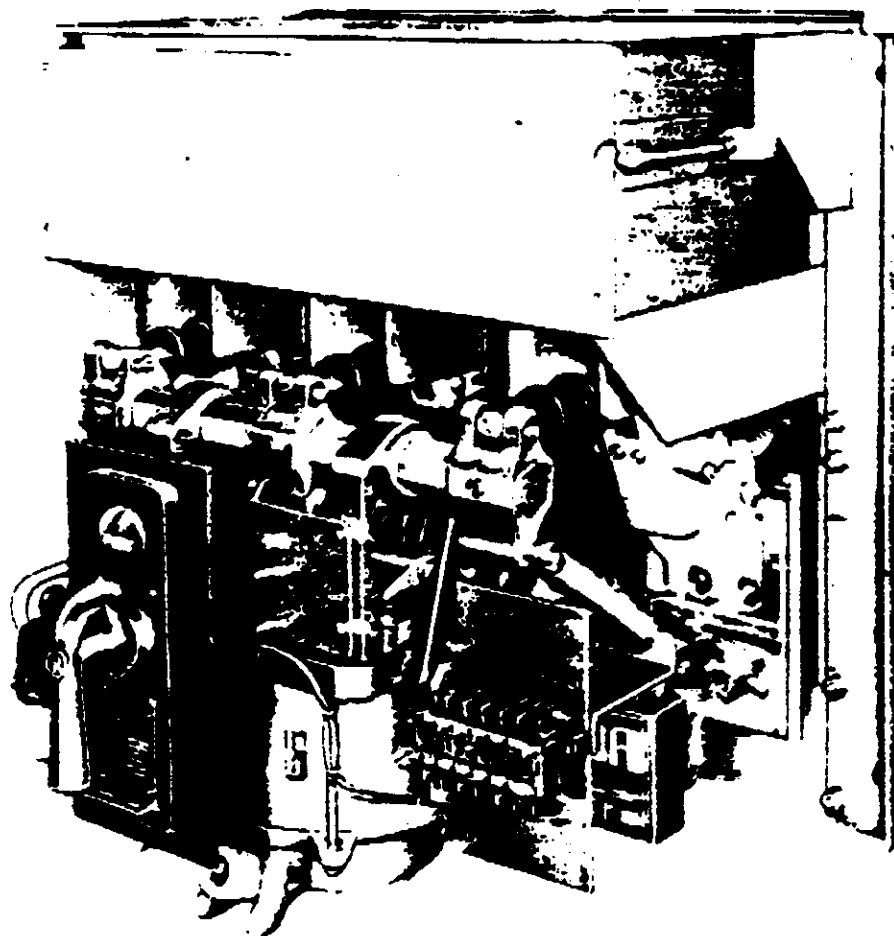
RP-5500

LOW VOLTAGE POWER SWITCHGEAR

**RENEWAL PARTS**

TYPE KD AND KE CIRCUIT BREAKERS

(MODEL A)



I-T-E CIRCUIT BREAKER COMPANY



PHILADELPHIA 30, PENNSYLVANIA

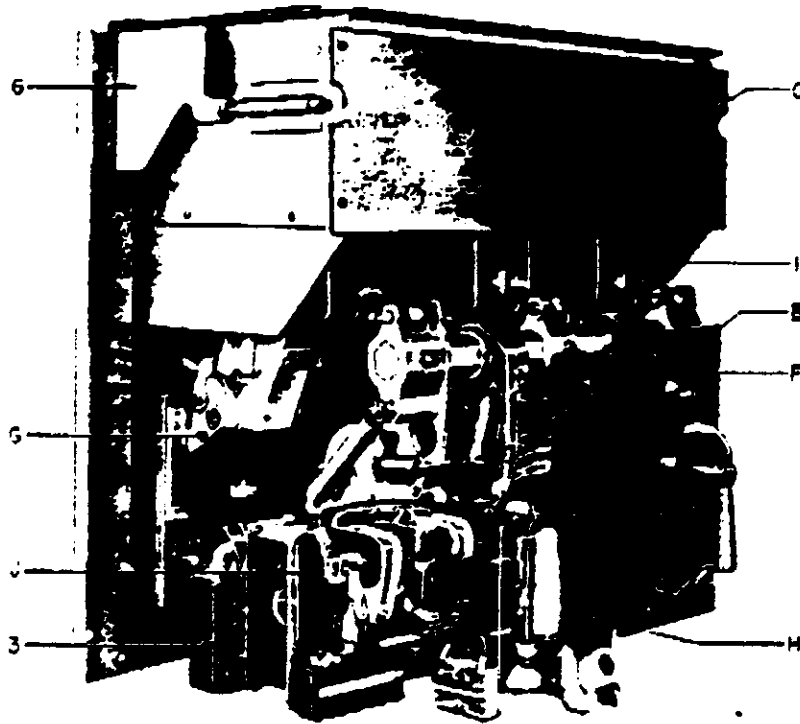


Fig. 1—Complete Breaker

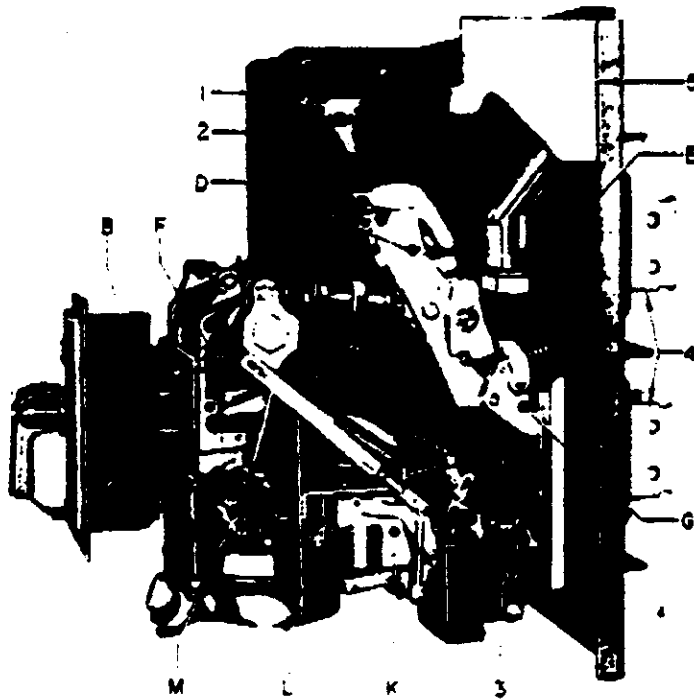


Fig. 2—Complete Breaker Less Hood and Right Hand Arc Chute

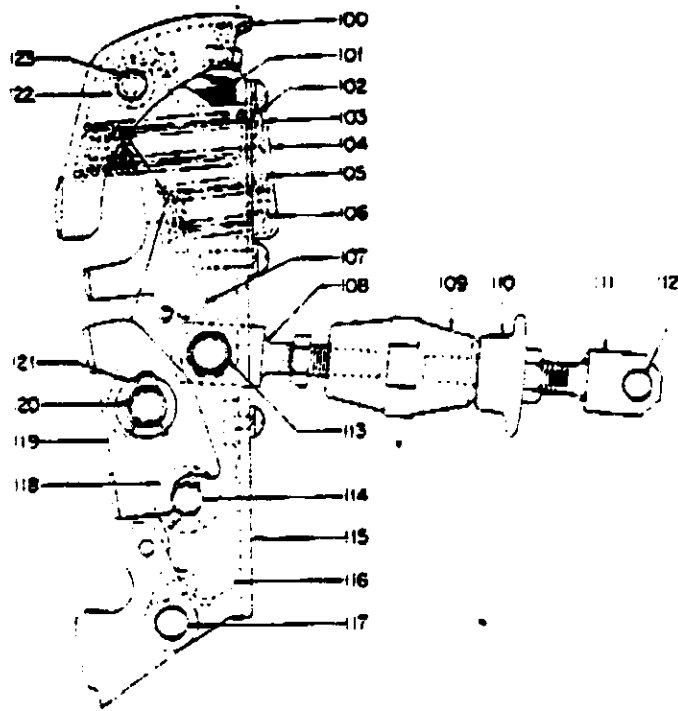


Fig. 5—Contact Arm Assembly

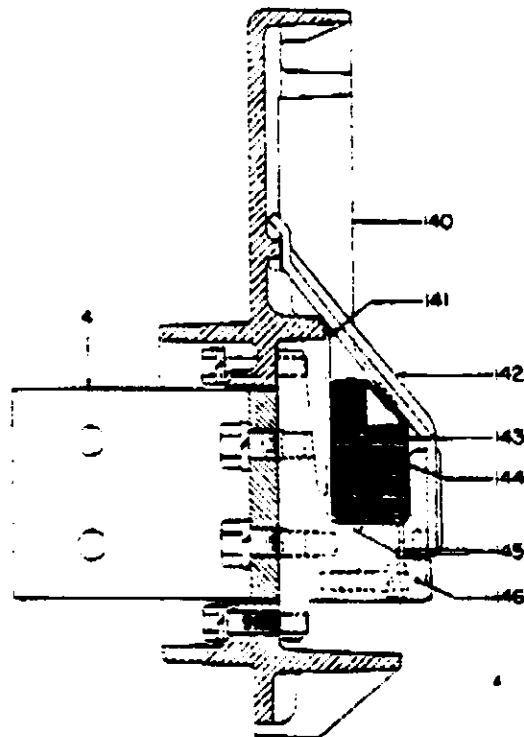


Fig. 6—Upper Terminal Assembly

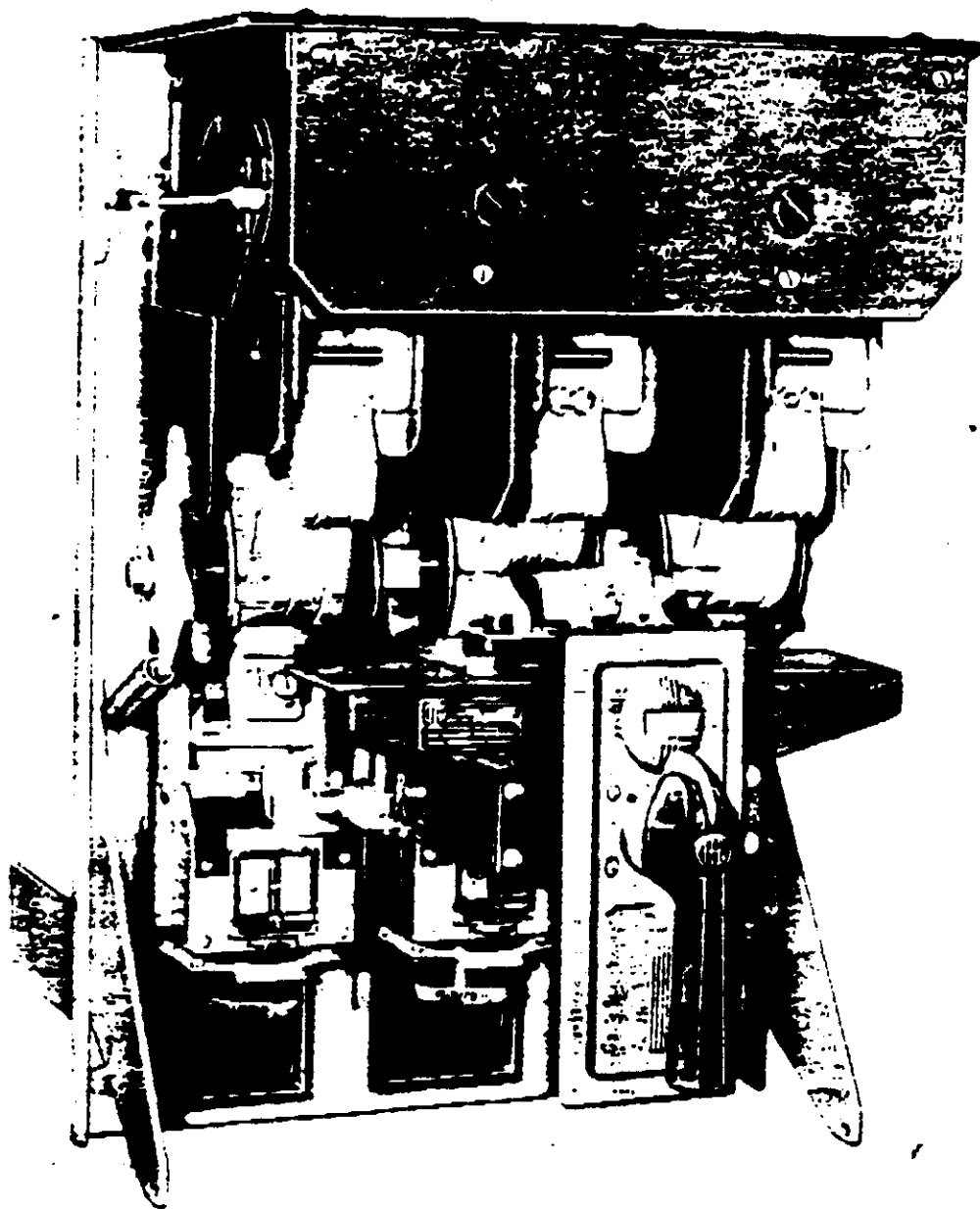
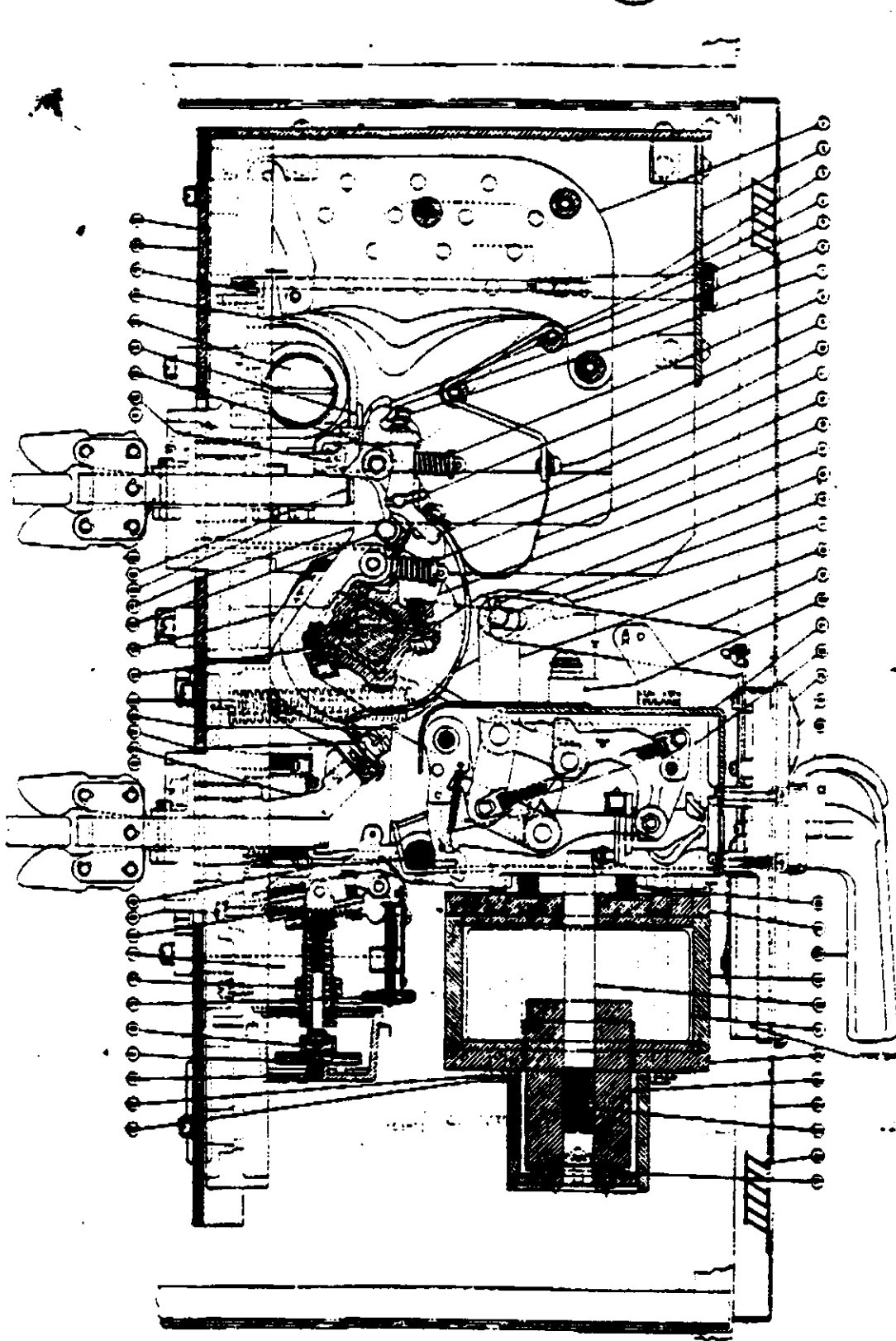


FIG. 1—TYPE KC CIRCUIT BREAKER MANUALLY OPERATED WITH THREE DUAL MAGNETIC OVERCURRENT TRIP DEVICES

Photo. 17352-E

## INTRODUCTION

These instructions may not cover all details or applications in connection with this equipment. Should further information be desired or some specific problem arise which is not covered sufficiently for the purchaser's purpose, the matter should be referred to the I-T-E Circuit Breaker Company. Filing these instructions in a readily accessible place, together with any drawings or descriptive switchgear data will facilitate proper maintenance of the equipment and prolong its life and usefulness.



- 1 Arc chute
- 2 Insulating barrier-rod
- 3 Arc chute receiver screw
- 4 Arc chute spring bar
- 5 Arcing contact (center)
- 6 Arcing contact (outside)
- 7 Screw
- 8 Arcing contact spring
- 9 Spring clip
- 10 Arcing conductor screw
- 11 Contact lever
- 12 Main contact spring
- 13 Arc chute spreader
- 14 Contact arm
- 15 Set screw (eccentric cam)
- 16 Eccentric cam
- 17 Contact arm cap
- 18 Upper toggle (insulating flak)
- 19 Visual limit
- 20 Buffer block
- 21 Support stud
- 22 Operating mechanism
- 23 Switchgear
- 24 Position indicator
- 25 Locking hole
- 26 Solenoid shock spring
- 27 Solenoid fan screw
- 28 Operating handle
- 29 Solenoid center cushion
- 30 Solenoid plunger rod
- 31 Solenoid closing coil
- 32 Solenoid bottom plate
- 33 Solenoid trigger
- 34 Formed disc
- 35 Solenoid plunger set screw
- 36 Buffer stop (warning light tower)
- 37 Solenoid bumper block
- 38 Solenoid mounting ball
- 39 Locking wire
- 40 Oil eye
- 41 Stationary adhesive disc
- 42 Moving adhesive disc
- 43 Adjusting knob (calibration)
- 44 Instantaneous spring
- 45 Dual magnetic overcurrent trip
- 46 Calibration spring (short time)
- 47 Lower base molding
- 48 Trip bar
- 49 Lower terminal current stud
- 50 Lower terminal
- 51 Screw
- 52 Mechanism support
- 53 Closing spring
- 54 Insulated conductor bar
- 55 Main contact
- 56 Main contact strip pin
- 57 Main contact lever
- 58 Screw
- 59 Stationary main contact
- 60 Upper terminal current stud
- 61 Separable contact (main)
- 62 Screw
- 63 Stationary outside-arcing contact
- 64 Stationary center-arcing contact
- 65 Blower cap
- 66 Arcing horn
- 67 Screw
- 68 Auto' base (breaker)
- 69 Upper base molding

FIG. 2—TYPE KC CIRCUIT BREAKER  
SIDE SECTION VIEW—MOUNTED IN SWITCHBOARD COMPARTMENT  
ELECTRICALLY OPERATED

Dep. 6-11379

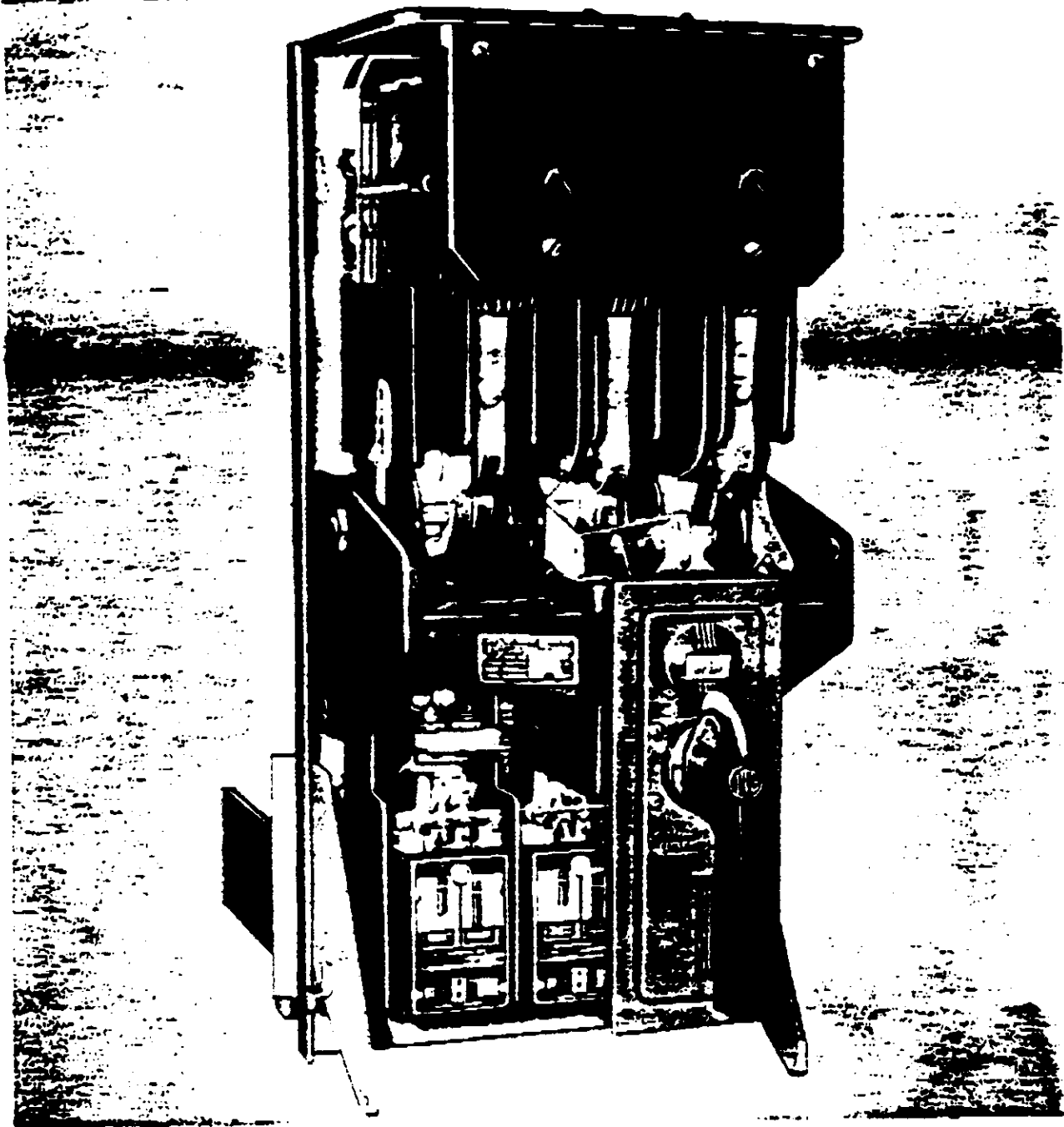


Photo 17351-R

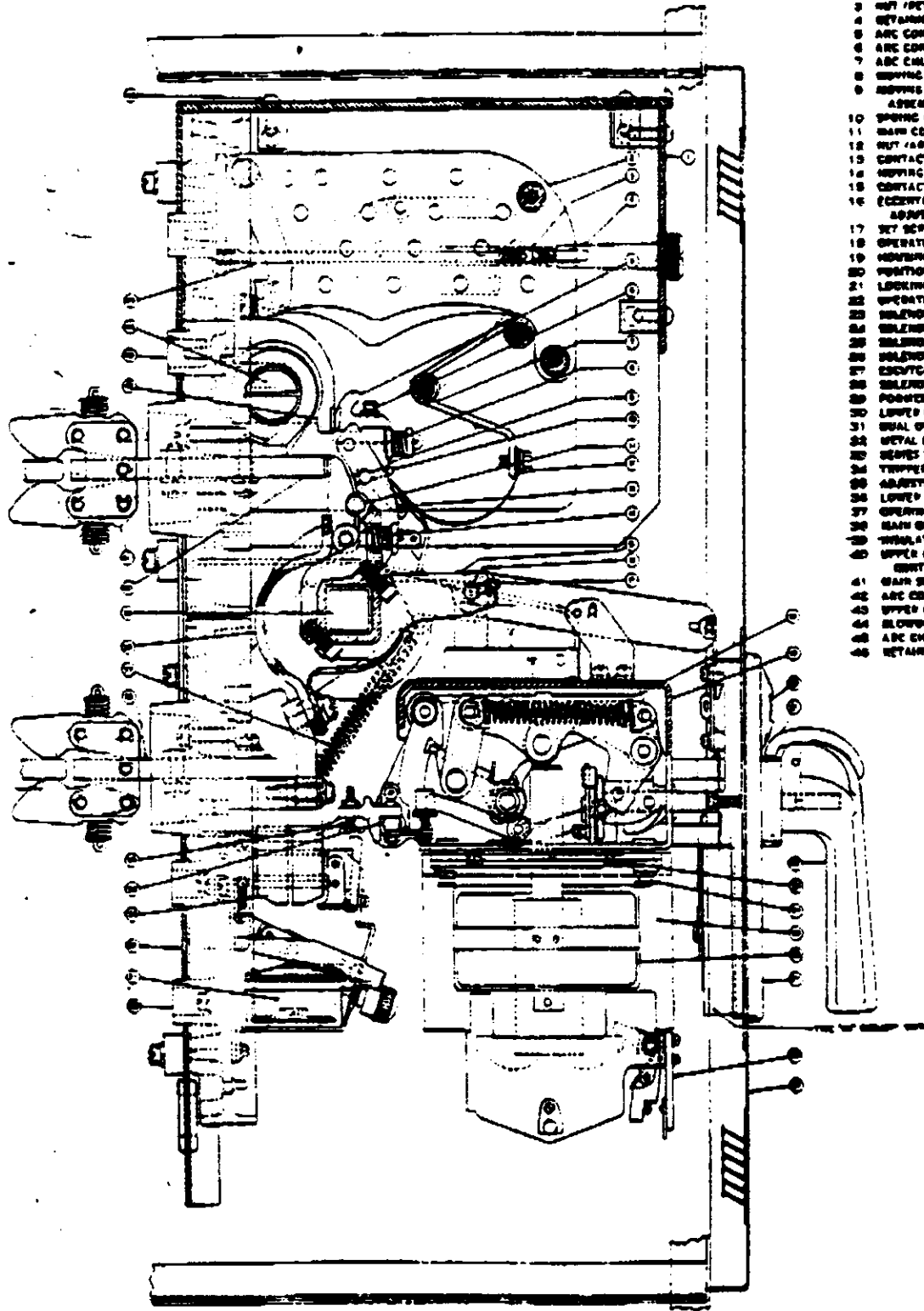
FIG. 1—TYPE KB CIRCUIT BREAKER MANUALLY OPERATED WITH THREE  
OR MAGNETIC OVERCURRENT TRIP DEVICES

## INTRODUCTION

Instructions for the operation and maintenance of type KB circuit breakers are usually furnished with each shipment.

These instructions may not cover all details of applications in connection with this equipment. Should further information be desired or some special problem arise which is not covered sufficiently for the purchaser's purpose, the matter should be referred to the Circuit Breaker Company.

Filing these instructions in a readily accessible place, together with any drawings or descriptive switchgear data, will facilitate proper maintenance of the equipment and prolong its life and usefulness.



- 1 BODY AND INTERMEDIATE BRIDGE
- 2 ARC CHUTE
- 3 NUT (RETAINING STUD)
- 4 RETAINING STUD
- 5 ARC CONTACT (MOVING)
- 6 ARC CONTACT RETAINING SHEET
- 7 ARC CHUTE ANCHOR ROD
- 8 MOVING ARC CONTACT SPRING
- 9 MOVING ARC CONTACT LEVER AND CONNECTOR ASSEMBLY
- 10 SPRING CLIP
- 11 MAIN CONTACT PIVOT PIN
- 12 NUT (ARCING NOSE-CONNECTOR)
- 13 CONTACT ARM
- 14 MOVING MAIN CONTACT SPRING
- 15 CONTACT ARM CAP (COVER)
- 16 ECCENTRIC PIN (CONTACT PIVOT) ASSEMBLY
- 17 SET SCREW (ECCENTRIC PIN)
- 18 OPERATING MECHANISM
- 19 MOVING SUPPORT SHEET
- 20 POSITION INDICATOR (NORMAL)
- 21 LOCKING PIN
- 22 OPERATING HANDLE
- 23 SOLENOID SHOCK SPRING
- 24 SOLENOID MOUNTING PIN
- 25 SOLENOID ASSEMBLY
- 26 SOLENOID CLOSURE SOLE ENDO/CHISEL
- 27 SOLENOID SWITCH (ON)
- 28 POWER BRUSH
- 29 LOWER BASE SOLENOID
- 30 EQUAL OVERCURRENT TRIP
- 31 METAL BASE
- 32 SEALS TRIP COIL
- 33 TRIPPER BAR
- 34 ADJUSTING SCREW FOR TRIPPING DEVICES
- 35 LOWER CURRENT STUD
- 36 OPERATING SPRING
- 37 MAIN CONTACT AND CONNECTOR ASSEMBLY
- 38 INSULATED CONTACT ARM CAP
- 39 UPPER CURRENT STUD AND STATIONARY MAIN CONTACT
- 40 MAIN SEPARABLE CONTACT
- 41 ARC CONTACT (STATIONARY)
- 42 UPPER BASE SOLENOID
- 43 BLOWOUT COIL ASSEMBLY
- 44 ARC CHUTE MOUNTING STUD
- 45 RETAINING SCREW (ROD)

FIG. 2—TYPE EB CIRCUIT BREAKER, DEAD FRONT, FORMED DOOR, A-C ELECTRICALLY OPERATED

Dwg. S-11576

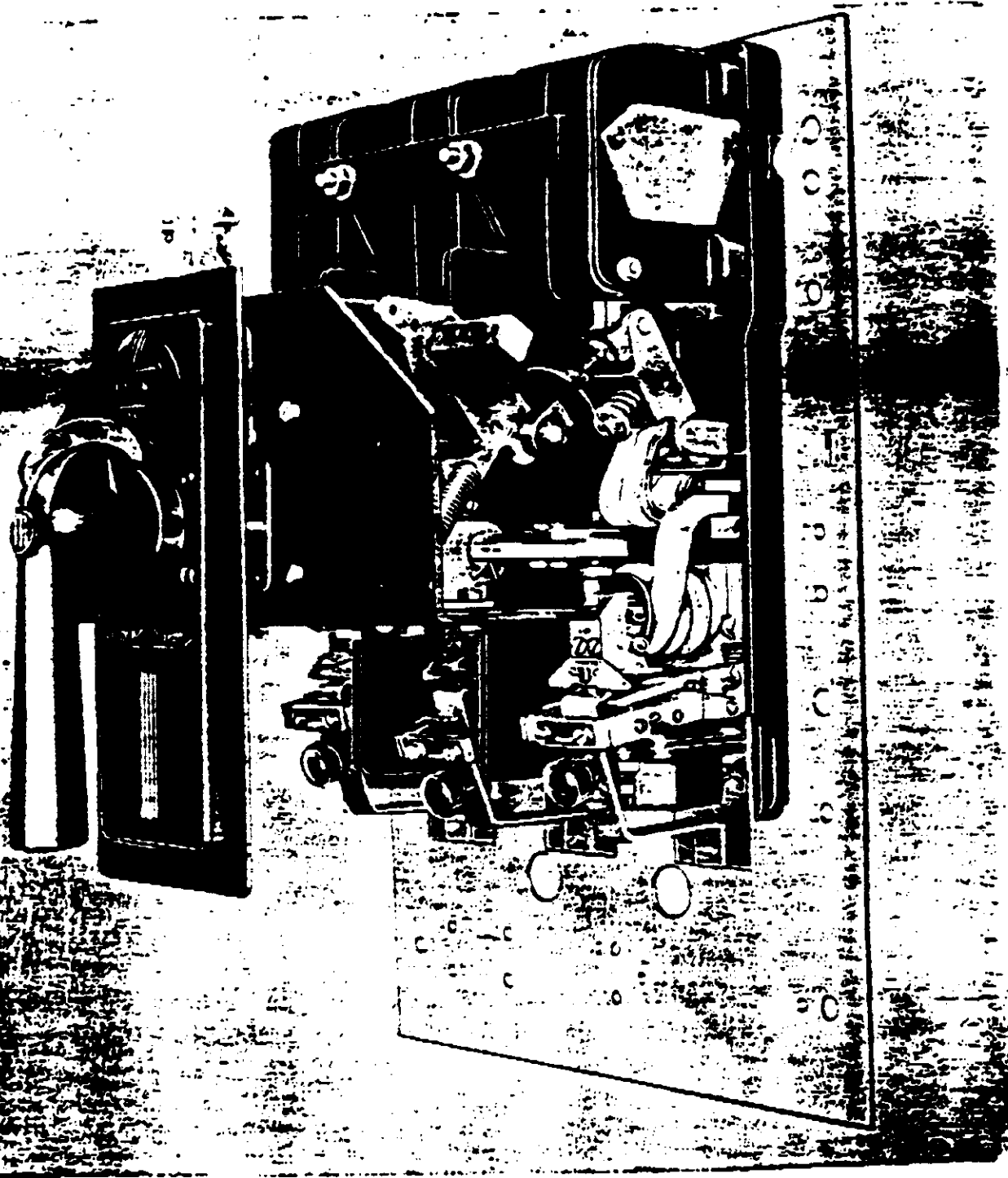


FIG. 1—TYPE KA CIRCUIT BREAKER MANUALLY OPERATED WITH THREE DUAL  
MAGNETIC OVERCURRENT TRIP DEVICES

14744-A

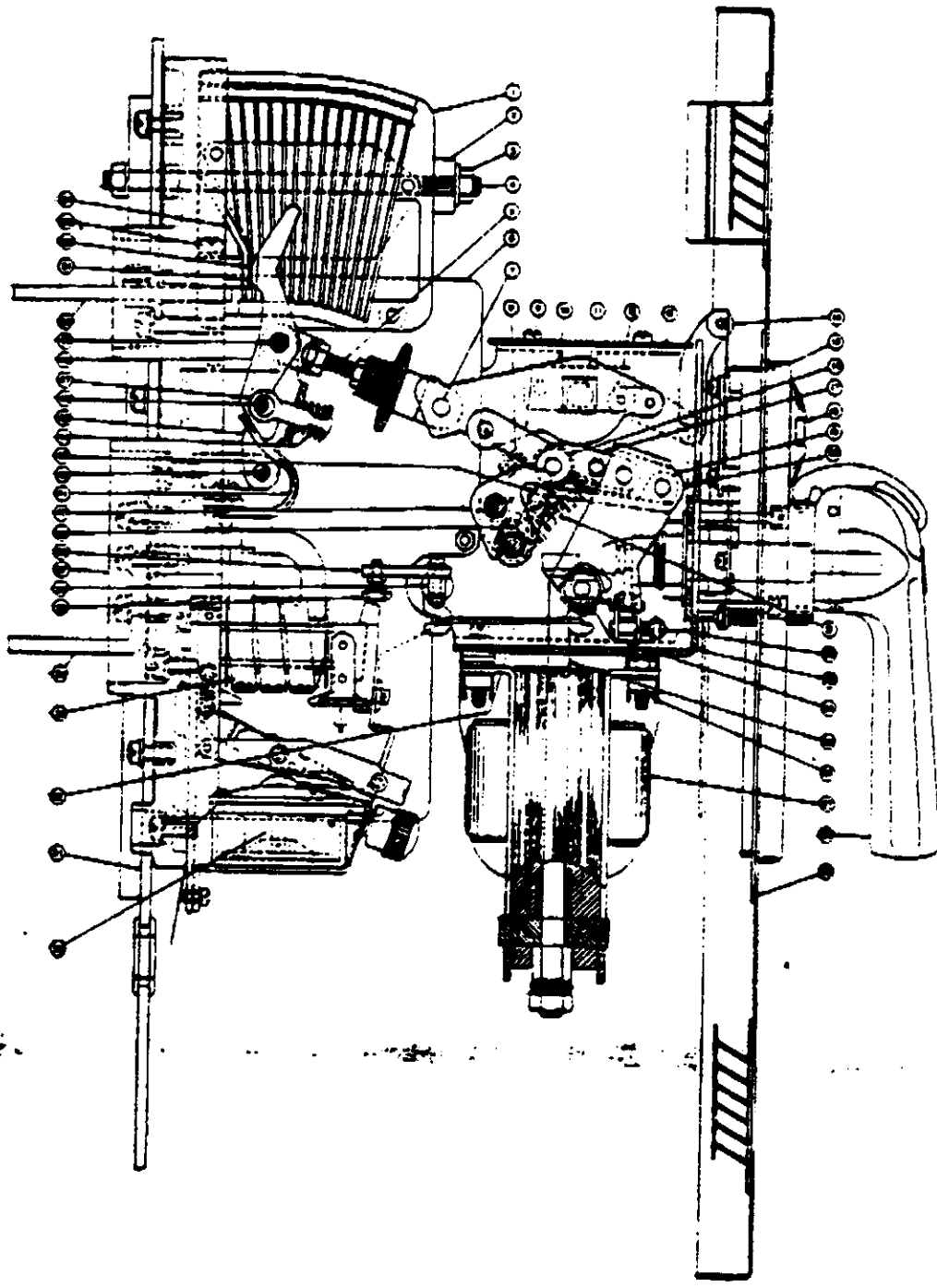
## INTRODUCTION

Instructions for operation and maintenance of type KA Circuit Breakers are usually furnished with each shipment.

These instructions may not cover all details or applications in connection with this equipment. Should any information be desired or some specific problem arise which is not covered sufficiently for the user's purpose the matter should be referred to the I-T-E Circuit Breaker Company.

Filing these instructions in a readily accessible place, together with any drawings or descriptive switchgear data, will facilitate proper maintenance of the equipment and prolong its life and usefulness.





- 1 ARC CHUTE
- 2 CURRENT GAP
- 3 CUT (SUPPORT BAR)
- 4 SUPPORT STUD (ARC CHUTE)
- 5 ADJUSTING SCREW
- 6 INTERLOCK BAR
- 7 PIN (CONTACT AND BAR)
- 8 SPRING SPRING
- 9 TROUBLE LINK
- 10 CONTACT AND BAR
- 11 CONTACT BAR
- 12 SCREW
- 13 RECHARGE SUPPORT (S.M.)
- 14 SLIP CONNECTING LINK TOP
- 15 FOOTWEAR
- 16 MAIN LATCH COLLAR
- 17 TROUBLE LINK
- 18 VISUAL FLAG
- 19 MAIN CLOSING LEVER
- 20 LATCH LEVER
- 21 RESET SPRING (MECHANISM)
- 22 SPRING HANDLE CENTERING
- 23 SHUT ASSEMBLY
- 24 LATCH BAR
- 25 FLAMER ROD (SOLENOID)
- 26 WELDED ATTACHED PART
- 27 SOLENOID COIL
- 28 OPERATING HANDLE
- 29 FRONT PANEL (SPRING COIL)
- 30 MAIN OVERCURRENT TRIP DEVICE
- 31 PANEL (CIRCUIT BREAKER)
- 32 TRIP LINK
- 33 SERIES COIL
- 34 LOWER CURRENT STUD
- 35 ADJUSTING STUD (S.C. TOP BAR)
- 36 TRIPPER BAR
- 37 BASE SPRING
- 38 TRIP LEVER
- 39 MAIN LATCH SPRING
- 40 MAIN CLOSING LEVER STOP
- 41 FLEXIBLE CONDUCTOR
- 42 PIN (CONTACT LEVER)
- 43 MAIN LATCH
- 44 SPRING (CONTACT)
- 45 CONTACT AND BAR
- 46 PIN (SPRING LINK)
- 47 SPRING LINK
- 48 CONTACT LEVER
- 49 PIN
- 50 UPPER CURRENT STUD
- 51 MOVING CONTACT
- 52 STATIONARY CONTACT
- 53 STATIONARY CONTACT SERIES
- 54 STATIONARY ANCHOR BUSH

FIG. 2—TYPE KA CIRCUIT BREAKER DEAD FRONT MOUNTING. FORMED FRONT DOOR  
ELECTRICALLY OPERATED

DWG. 8-1  
Revised