C 2 6 3 **WATER MANAGEMENT PROJECT**

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WATER METER REPAIR FLOW - CHART

A JOB-AID

øY

HAROLD NURSE

METER REPAIR SUPERVISOR

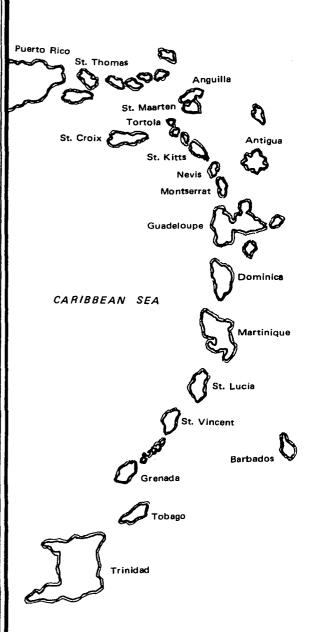
BARBADOS WATERWORKS DEPARTMENT

A JOINT-VENTURE PROJECT OF THE GOVERNMENTS OF:

ANGUILLA, ANTIGUA, BRITISH VIRGIN ISLANDS, BARBADOS, DOMINICA, GRENADA, MONTSERRAT, ST. KITTS/NEVIS, ST. LUCIA, ST. VINCENT, CANADA

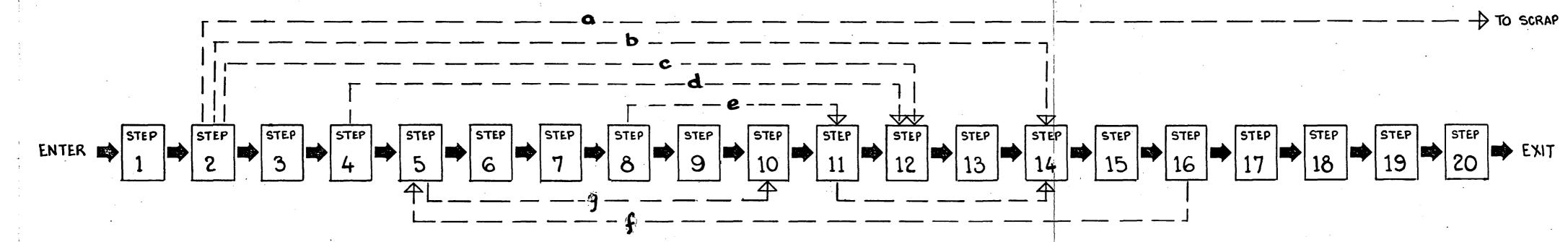
AND

THE PAN AMERICAN HEALTH ORGANIZATION



WATER METER REPAIR FLOW-CHART

A JOB AID



CODE	ALTERNATE ROUTING	CODE	ALTERNATE ROUTING
·a	2 TO SCRAP - WHEN METER IS OUT-DATED OR DAMAGED SO EXTENSIVELY IT IS TOO COSTLY TO REPAIR.	d	H TO'12-AFTER BODY OF METER IS CLEANED AND PARTS ARE NECESSARY AND READING ISLOW.
b	2 TO 14 - WHEN METER HAS BEEN REMOVED AT	e	8 TO 11 - IF NO NEW PARTS ARE NEEDED.
	CUSTOMER'S OR DEPTARTMENT'S REQUEST AND 15 TO BE TESTED FOR HIGH READINGS etc	. f	16 TO 5 - TO DETERMINE DEFECTIVE PART (5).
c	2 TO 12 - WHEN METER WHICH HAS BEEN REMOVED IS NEW , HAS A LOW READING, OR HAS BEEN REMOVED IN ERROR-	9	5 TO 10 - TO REPLACE DEFECTIVE PART (5).

LIBRARY International Reference Centro for Community Water Supply

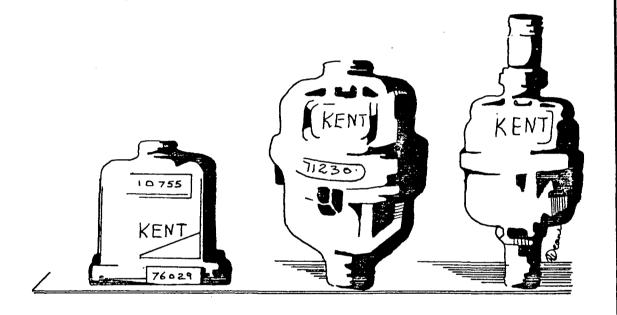
STEP 1. METER ARRIVES AT REPAIR SHOP





TRUCK ARRIVES WITH BOXES OF METERS TO BE REPAIRED.

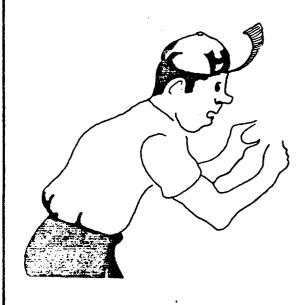
STEP 2 METER GOES TO STORAGE AREA 'A'





PACK IN RACKS ACCORDING TO SIZE AND BRAND OF THE METER.

STEP 3. METER LEAVES STORAGE FOR REPAIRS

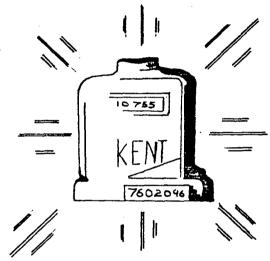


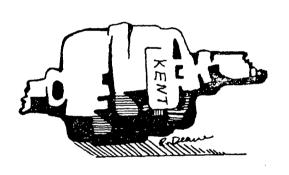




SUPERVISOR DISTRIBUTES METERS TO BE REPAIRED.

STEP 4. OUTER CASING OF METER CLEANED AND DEFECTS VERIFIED

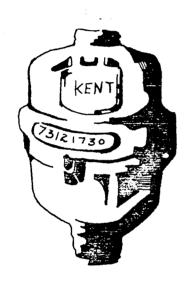






INSPECT METER FOR VISIBLE DAMAGE FOR WHICH THE CUSTOMER MAY HAVE TO PAY.

STEP 5. METER IS ASSIGNED TO METER - REPAIRER

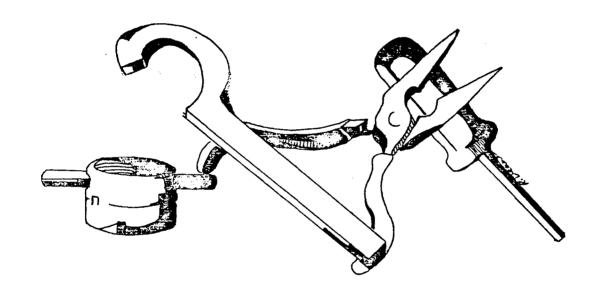






WRITE SIZES, NUMBERS, READING AND DAMAGE TO METER IN NOTE BOOK. SUPERVISOR COPIES THE SAME INFORMATION INTO LOG BOOK IN CASE OF ENQUIRIES AT A LATER DATE.

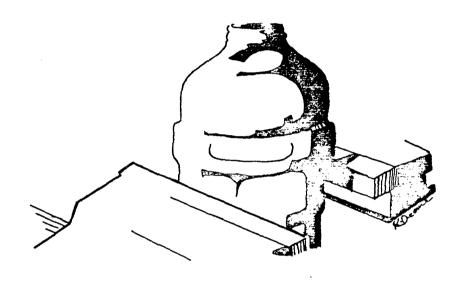
STEP 6. METER REPAIR TOOL REQUIREMENTS ASSESSED





SELECT TOOLS TO SUIT METER BEING REPAIRED.

STEP 7. METER'S OUTER CASING INSPECTED AND METER DISMANTLED

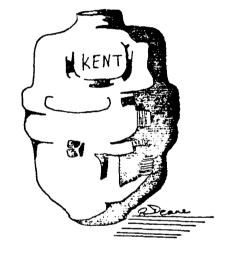




SECURE END OF METER IN BENCH VICE BY GRIPPING THE FLATS ON THE BODY. CAUTION. DO NOT OVERTIGHTEN

STEP 8 METER INSPECTED FOR DE-FECTIVE MECHANICAL PARTS



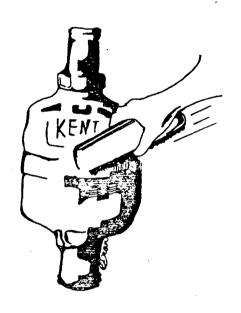




CHECK FOR BROKEN OR DAMAGED PARTS.

STEP 9. METER PARTS CLEANED

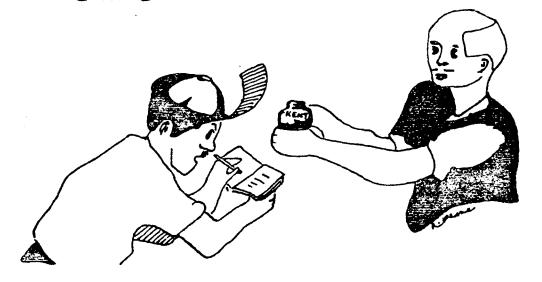






DIP IN ACID BATH, THEN SCRUB WITH STEEL BRUSH. WHEN CLEAN DIP IN WATER.

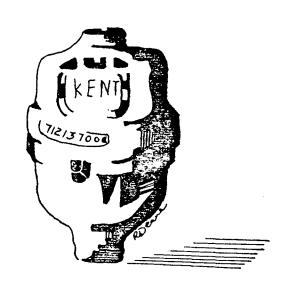
STEP 10 DAMAGED OR DEFECTIVE PARTS PROCURED AND RE-PLACED



INSPECTION OF OLD PARTS BY SUPERVISOR. WRITE ORDERS FOR PARTS TO BE REPLACED. ORDERS APPROVED BY SUPERVISOR.



STEP 11. METER REASSEMBLED





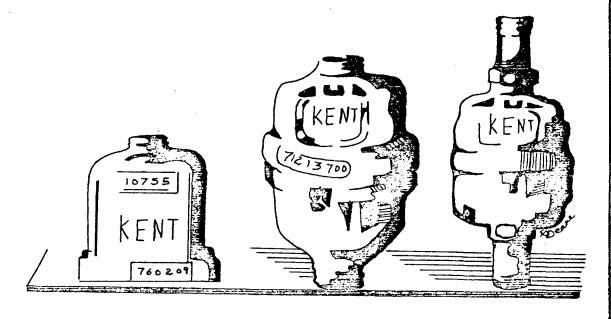
ENSURE THAT ALL PARTS

ARE PERFECTLY CLEAN AND

FREE FROM GRIT BEFORE

REPLACING SAME.

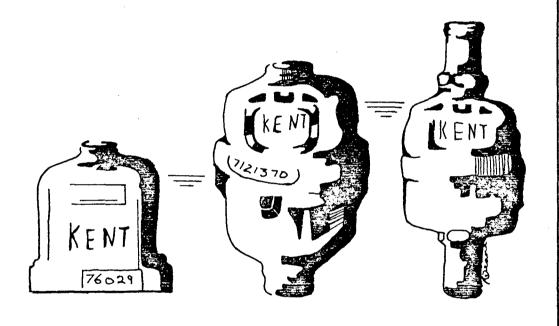
STEP 12. METER GOES TO STORAGE B'





PACK ACCORDING TO SIZE AND BRAND ON RACKS.

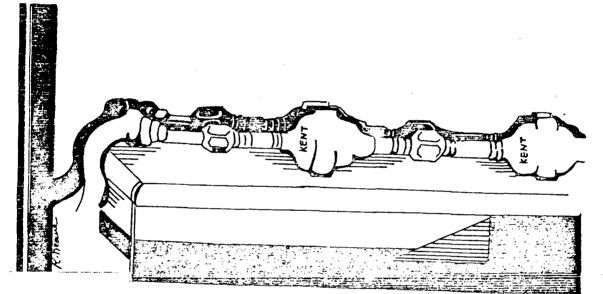
STEP 13: METER TAKEN FROM STORAGE





SIZES AND QUANTITY
TESTED ACCORDING TO THE
BRAND.

STEP 14-METER IS CONNECTED FOR TESTING

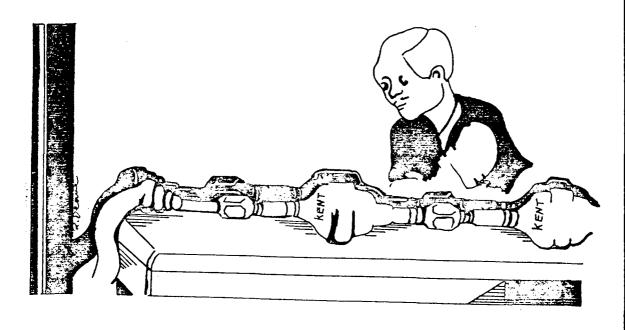




WITH LINING FOR IRON PIPE, SOCKETS AND CAP NUTS WITH LEATHER WASHERS ACCORD-ING TO SIZE.

CAUTION, DO NOT OVERTIGHTEN

STEP 15. METER IS TESTED





CHECK FOR LEAKS.

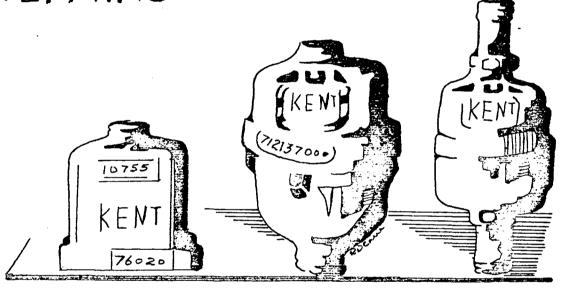
CALCULATE PER CENT ERROR

TO DETERMINE IF WITHIN

TOLERANCE LIMITS THEN

DISCONNECT.

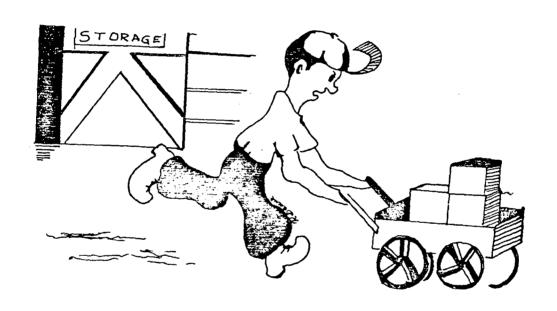
STEP 16-METER GOES TO STORAGE 'C' OR RETURNS TO 5 FOR REPAIRS



STORED ACCORDING TO SIZE FOR PAINTING, OR RETURNED FOR FURTHER BEPAIRS AND CHECKS.



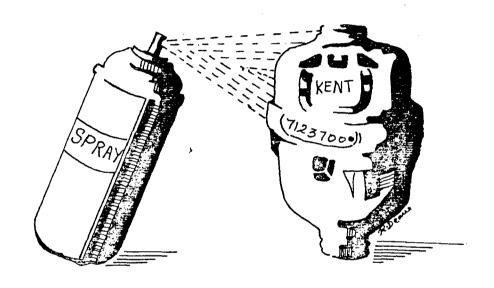
STEP 17. METER TAKEN FROM STORAGE 'C'





CHECKED AND PACKED IN BOXES ACCORDING TO SIZES AND BRANDS BY PORTER.

STEP 18 METER GOES TO PAINT SHOP



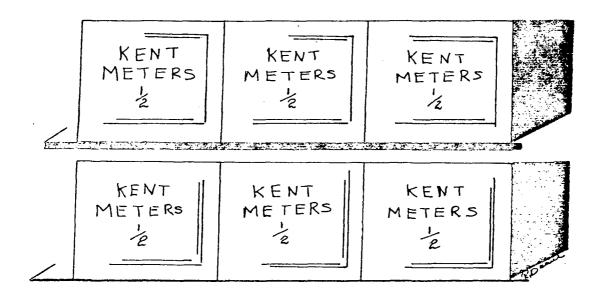


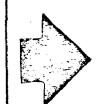
METERS ASSIGNED TO PORTER.

PAINTER SPRAYS METERS

THEN CLEANS GLASS.

STEP 19. METER GOES TO STORAGE D'





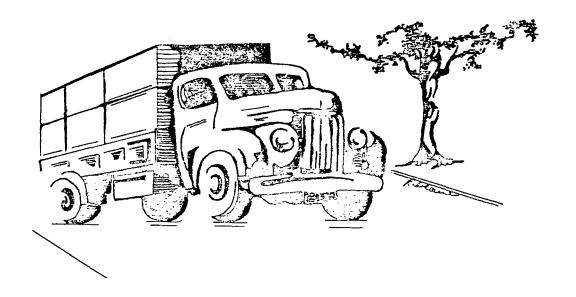
PACK IN BOXES PROVIDED.

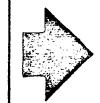
LABEL THE SIZE AND

BRAND NAME.



STEP 20 METER DISTRIBUTED TO HEAD-QUARTERS





METER IS DELIVERED UPON REQUEST BY WRITTEN ORDER STATING SIZE AND BRAND NEEDED.