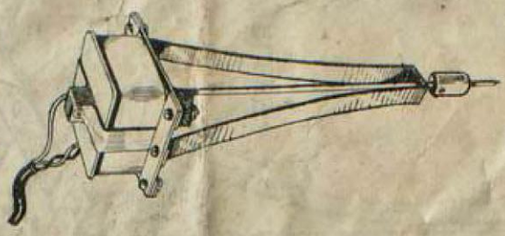
3D

JUNEERO

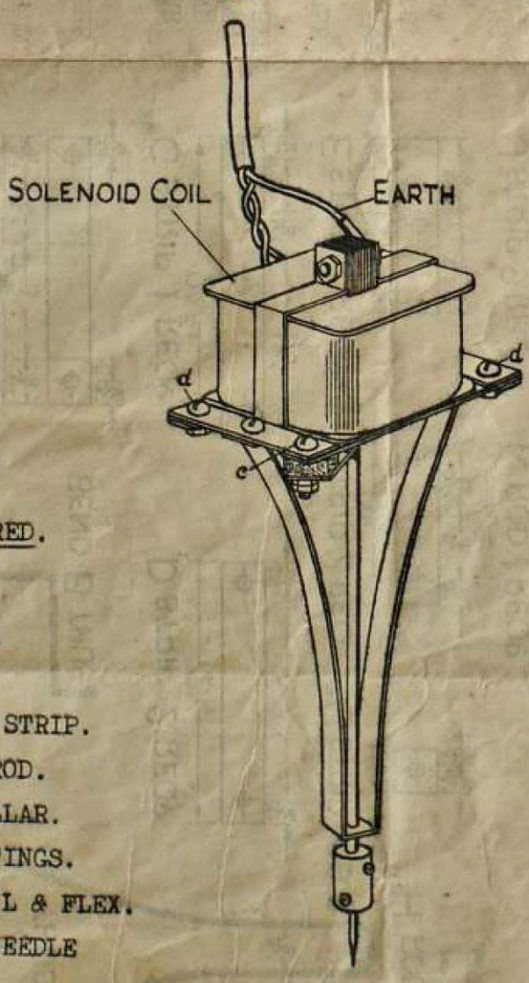
DESIGN Nº 125 ENGRAVING TOOL



FOR USE WITH MAINS SUPPLY 200/240 VOLTS A.C. ONLY.

A USEFUL TOOL FOR HOME AND WORKSHOP USE. EASILY CONSTRUCTED AT MODEST COST WITH JUNEERO TOOL AND MATERIALS.

SOLE MANUFACTURERS:
JUNEERO LTD
STIRLING CORNER, BOREHAM WOOD, HERTS.



PARTS REQUIRED.

15 - NUTS.
4 - 3/16" BOLTS.
2 - ⅜" BOLTS.
4 - 10" LENGTHS STRIP.
1 - 10" LENGTH ROD.
1 - COUPLING COLLAR.
2 - RUBBER MOUNTINGS.
1 - SOLENOID COIL & FLEX.
1 - GRAMOPHONE NEEDLE (LOUD TONE) (TO BE USED AS ENGRAVING NEEDLE).

ENGRAVING TOOL.

THIS ENGRAVING TOOL WILL GIVE VERY SATISFACTORY RESULTS WORKING ON MAINS CURRENT 200 - 240 VOLTS. A.C.ONLY.

AFTER ASSEMBLING AS SHOWN IN THE ASSEMBLY DRAWING, MAKE SURE THAT THE WIRE WHICH HAS A SMALL TAG FIXED TO IT IS SECURELY HELD BY THE NUTS ON ROD H. THIS WIRE IS THE EARTH WIRE THE OTHER END OF WHICH SHOULD BE FITTED TO THE CENTRE OF A THREE-PIN POWER PLUG, WHICH WE STRONGLY ADVISE YOU TO USE. THE TWO WIRES WHICH COME DIRECT FROM THE COIL SHOULD BE CONNECTED TO THE OTHER TWO PINS ON THE PLUG TAKING CARE THAT THERE ARE NO BARE WIRES WHICH MAY CAUSE A SHORT CIRCUIT.

WHEN THE CURRENT IS SWITCHED ON STRIPS C & E WILL VIBRATE RAPIDLY. THE INTENSITY OF THESE VIBRATIONS TO SOME EXTENT GOVERNS THE DEPTH OF THE ENGRAVING, AND CAN BE ADJUSTED TO SUIT HARD OR SOFT METALS BY TIGHTENING OR LOOSENING NUTS (a). WHEN THE CORRECT SETTING HAS BEEN FOUND THESE TWO NUTS SHOULD BE SECURELY LOCKED BY NUTS (b).

IT WILL USUALLY BE FOUND THAT FOR ENGRAVING HARD MATERIAL SUCH AS STEEL OR HARD BRASS ETC., THE NUTS SHOULD BE ADJUSTED TO GIVE THE MAXIMUM VIBRATIONS, i.e., WHEN THE VIBRATIONS ARE AT THEIR LOUDEST. FOR WORK ON SOFT BRASS ETC., THIS SHOULD BE REDUCED OR THE ENGRAVING NEEDLE WILL TEND TO "DIG IN" TO THE METAL BEING WORKED ON.

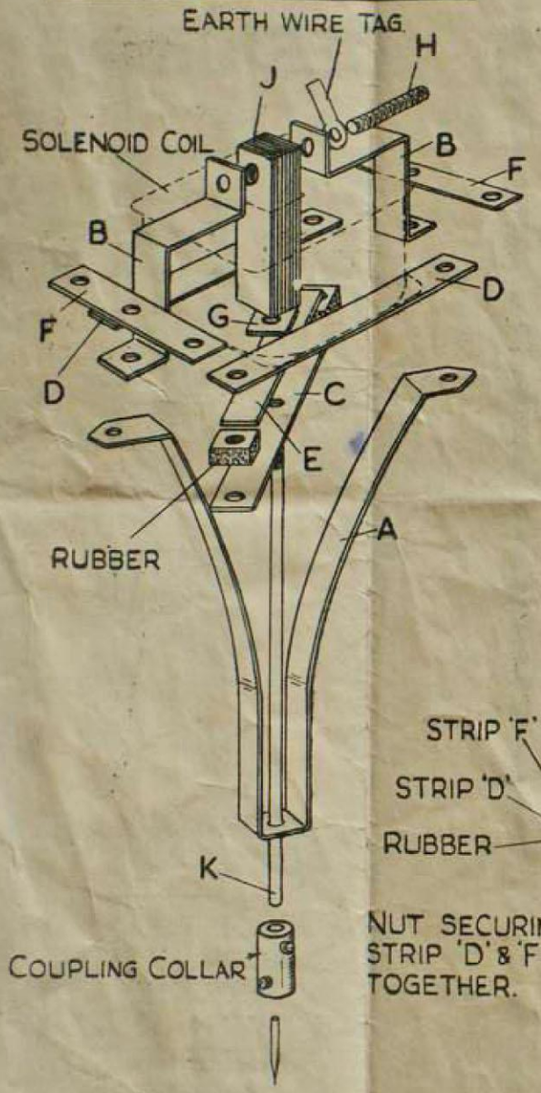
TO MAKE A COMFORTABLE GRIP FOR THE FINGERS A PIECE OF RUBBER TUBING ABOUT 1½" LONG MAY BE PUSHED ON TO LOWER END OF BEND STRIP "A".

ROD "K" SHOULD BE INSERTED HALF WAY THROUGH THE COUPLING COLLAR AND SECURED FIRMLY BY THE GRUB-SCREW. THE NEEDLE SHOULD BE PUSHED UP INTO THE OTHER END OF THE COUPLING COLLAR UNTIL IT TOUCHES THE END OF THE ROD, THEN SECURELY TIGHTENED BY THE OTHER GRUB-SCREW.

THE TOOL SHOULD BE HELD THE SAME WAY AS AN ORDINARY PEN OR PENCIL, BUT IN A SLIGHTLY MORE VERTICAL POSITION. THE NEEDLE SHOULD TOUCH THE MATERIAL BEING ENGRAVED QUITE LIGHTLY. A LITTLE PRACTICE IS NEEDED BEFORE BEST RESULTS ARE OBTAINED.

SOLENOID COIL WITH 4 FT. 3 CORE FLEX, CAN BE OBTAINED FROM YOUR DEALER. PRICE 6/-

ASSEMBLY DIAGRAM.



ASSEMBLY INSTRUCTIONS.

USE ONLY JUNEERO THIN NUTS ON THIS ASSEMBLY. THESE ARE THE STANDARD NUTS WHICH MEASURE $\frac{1}{4}$" ACROSS THE FLATS.

FIT STRIPS C, E, & G TO ROD K WITH THE TOP NUT FLUSH WITH THE END OF THE ROD AS SHOWN IN SMALL DETAIL DRAWING. THEN ASSEMBLE THE RECTANGULAR FRAME, TWO STRIPS D, AND TWO STRIPS F, HELD AT TWO CORNERS DIAGONALLY OPPOSITE BY NUTS & $\frac{3}{8}$" BOLTS (c). AFTER MAKING A SMALL HOLE IN THE CENTRE OF THE RUBBER MOUNTINGS PLACE ONE ON EACH OF THE TWO BOLTS (c), FOLLOWED BY THE NOW ASSEMBLED STRIP C, THEN TIGHTEN DOWN BY ADJUSTING NUTS (a), FOLLOWED BY THE TWO LOCKING NUTS (b). THE OTHER TWO CORNERS OF THE FRAME ARE HELD TOGETHER BY TWO NUTS & 3/16TH BOLTS (d), THE BOLTS ALSO PASS THROUGH THE HOLES IN THE ENDS OF STRIP A, SECURING IT TO THE FRAME. NEXT FIT THE TWO STRIPS B TO STRIPS F, THEN SLIP THE SOLENOID COIL UNDER STRIPS B, AND PLACE THE NINE STRIPS J INTO THE RECTANGULAR HOLE IN CENTRE OF COIL AND SECURE IN POSITION WITH ROD H, WHICH PASSES THROUGH STRIPS B & J, (SEE ASSEMBLY DIAGRAM). TWO NUTS ARE THEN SCREWED ON ROD H, ONE EACH END UNTIL THEY TIGHTEN TOGETHER STRIPS J & B. A THIRD NUT IS USED ON THIS ROD TO SECURE THE EARTH WIRE.