

HEAT SEALING UNIT

INTRODUCTION

1 This Engineering Order is to provide descriptive data and instructions for the operation of the heat sealing unit, continuous band type, Ref. 4L/515, used for sealing polyethylene film.

DESCRIPTION

2 The heat sealing unit as shown in Figure 1 consists of a handle, a heating element, a thermostat and a revolving wheel. When plugged into an electrical outlet, heat is transferred from the heating element to the wheel. When the heated wheel is pressed lightly over the layers of polyethylene, it welds the layers together.

METHOD OF OPERATION

3 Following is the method of operation, see Figure 2:-

(a) Set thermostat midway between "High" and "Low" positions.

(b) Plug sealer into 110-120 volt electrical outlet and allow three to four minutes for heating.

(c) Sandwich the polyethylene to be sealed between two sheets of cellophane film and place on a FLAT metal surface.

(d) Using a LIGHT pressure, SLOWLY roll the wheel over the area to be sealed.

(e) Allow ten seconds for the seal to cool.

(f) GENTLY remove the cellophane sheet.

NOTE

The individual will find it necessary to experiment with various wheel temperatures, speeds and pressures until best results are obtained.

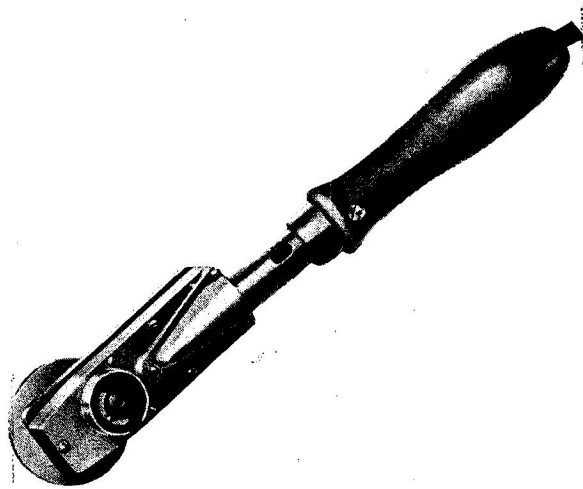


Figure 1

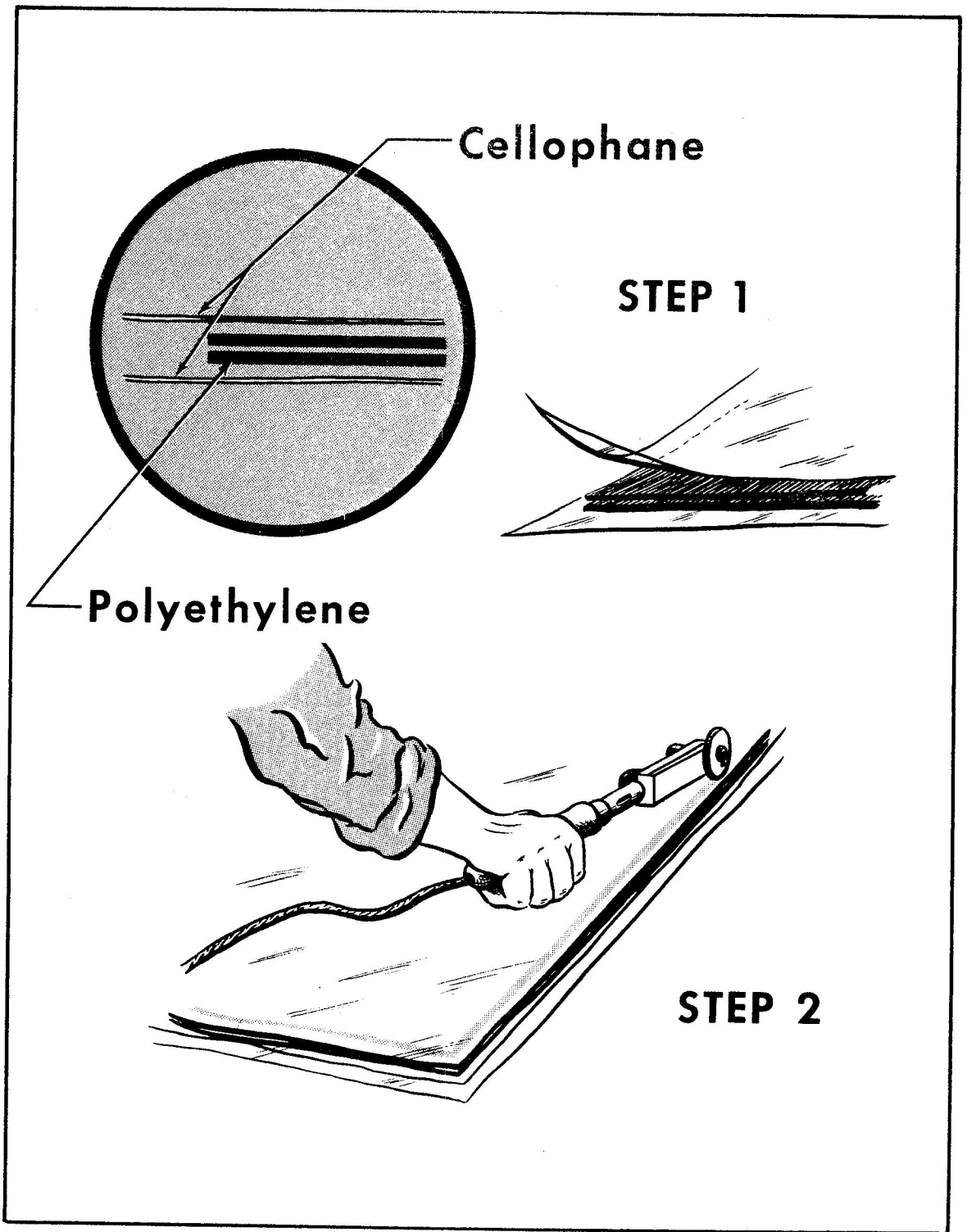


Figure 2

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

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