

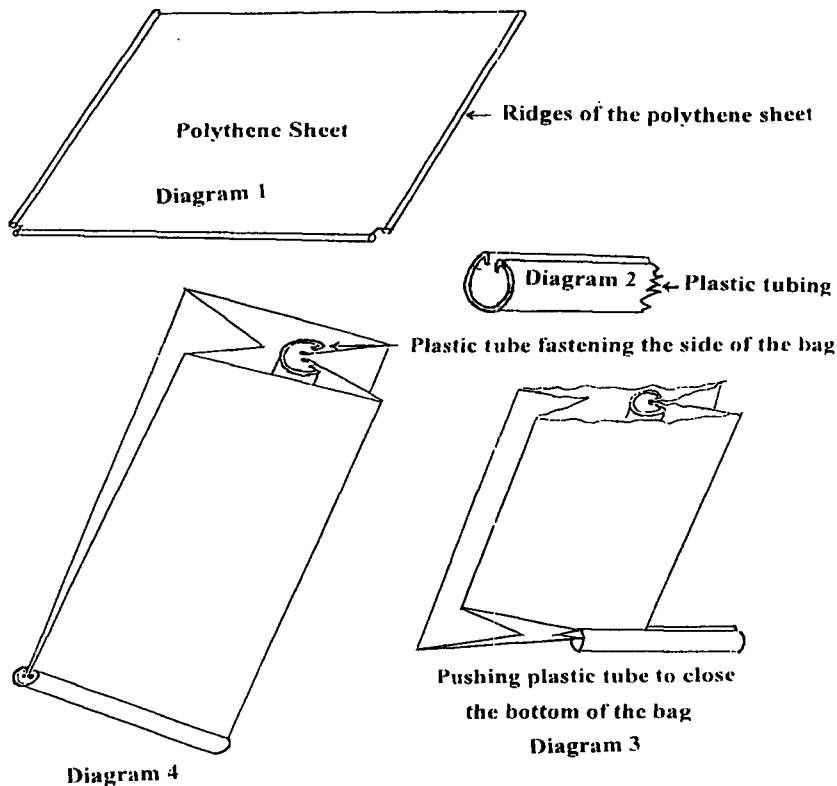
# A reusable polythene bag for nursery plants

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Polythene bags meant for raising nursery plants are used once. For large size plants such as rubber expensive thick gauge black polythene is used. These bags are cut and removed at planting and the monetary and the environmental cost of this operation is considerable. The bag described here is designed for using several times.

This bag is made from a polythene sheet cut to the expected size of the bag and having ridges at the edges of two sides and in the bottom end as seen in diagram 1. Two plastic tubes, one having a length equal to the height of the bag and the other having the length of the fattened bottom (*i.e.*  $\frac{1}{4}$ <sup>th</sup> the circumference of the polythene tubing in the case of gusseted bags) are also needed to make this bag. The whole length of the tubes should have slits with the two edges of the slit bent inwards as shown in the diagram 2. The edges of the bag are fastened using the two tubes as shown in diagrams 3 and 4. At planting the bottom tubing is pulled away, and the bag with the plant is placed in the planting hole, filled with soil and the polythene sheet can be removed by pulling the tubing holding the vertical edges of the polythene sheet.

This bag can be used several times if carefully handled and reduces the polythene discarded to the environment. (Industrial Designs Registration No. 5714).



## Reusable Polythene Bag