

Cutting a circle in a pane of glass

To fit an extractor fan or louvred ventilator it is usually necessary to cut a circular hole in the window pane. This is done with a circular glass-cutter.

Find the centre-point of the pane and mark it with a crayon or china-marking pencil.

Measure the diameter of the hole required and add $\frac{1}{8}$ in. (2 mm). Set the arm of the cutter to half of that measurement.

Fix the suction pad of the cutter on the centre of the pane and run the cutting wheel to score the glass evenly round the whole circumference of the circle required. Do not

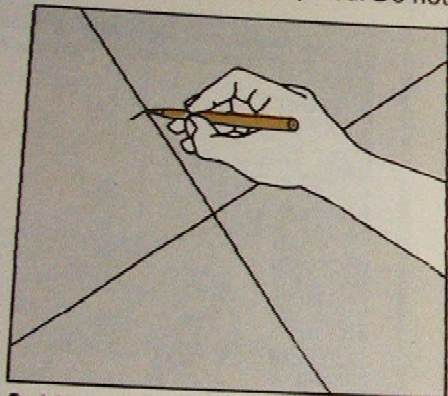
try to remove the circle from the pane in one piece.

Score diagonally across it with a single-wheel cutter (see p. 202). Support one side of the pane with a hammer head and tap out the pieces of glass with the top or back of the glass-cutter.

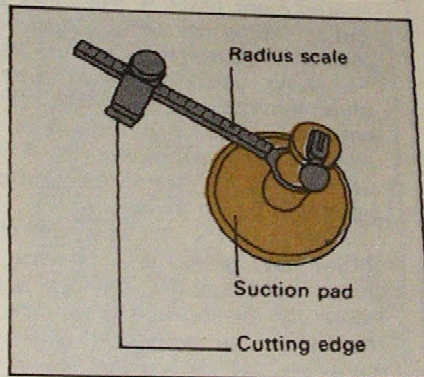
The edges of the hole do not usually have to be cut clean, for the flanges of the unit being fixed overlap them.

Materials: glass.

Tools: circular glass-cutter; glass-cutter; hammer; crayon or china-marking pencil; pincers.



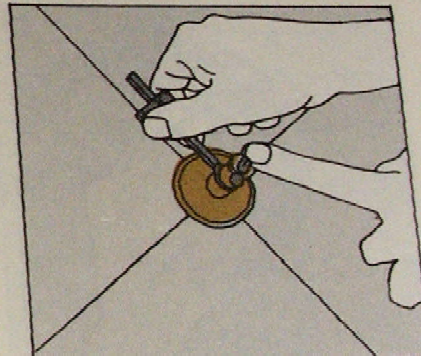
1 Mark the radius of the circle required, from the centre of the glass, on one diagonal line



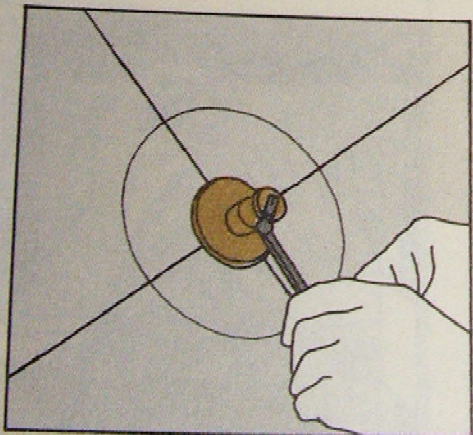
2 Move the cutting edge along the scale of the cutter to the radius required for the circle



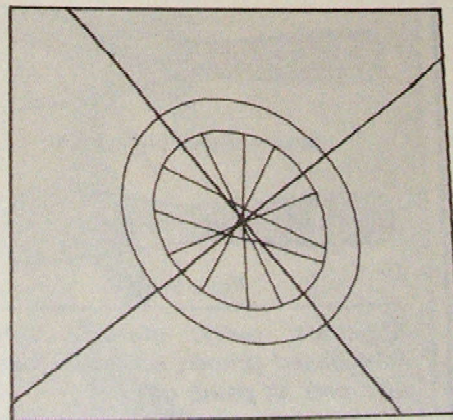
3 Mark diagonal lines on the existing pane with a crayon or china-marking pencil, to find the centre-point



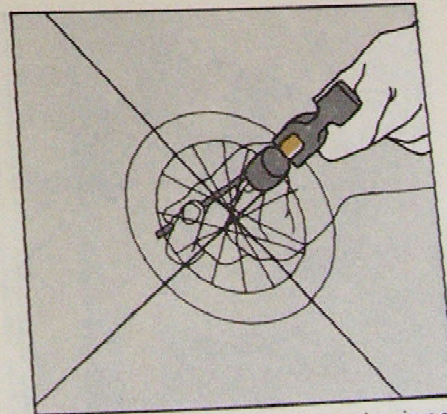
4 Fix the cutter suction pad at the centre of the pane. Make sure that the cutting wheel is on the mark



5 Press the cutter head firmly to score a circle. Tap the underside of the cut with a glass-cutter



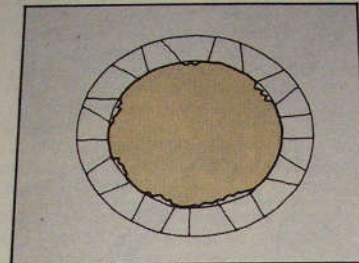
6 Move the cutter edge inwards about $\frac{3}{4}$ in. (20 mm) and score a second circle. Tap the underside



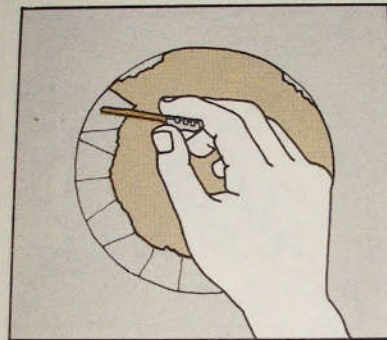
7 Score criss-cross lines in inner circle. Support scored glass with hammer and tap out segments

Windows Glass

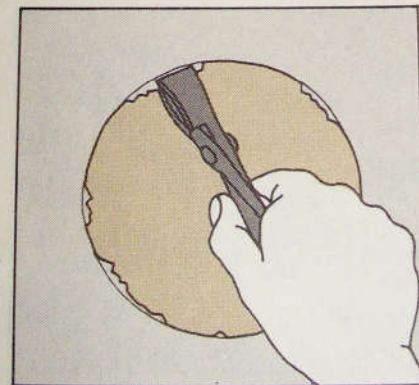
(continued)



8 When all the glass in the inner circle is removed, score lines between the outer circle and the hole



9 Gently tap out the remaining pieces of glass with the back or top of a single-wheel cutter



10 To clean the edges of the outer circle, break off any glass splinters with pincers

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