

Making a sheet steel box (old washer tin)

Make cuts with a thin disc in an angle grinder. Eye protection !!

Cut around as shown slitting to red arrows. Bend black dotted lines first green second and blue last. Do not worry if the top edges of the box do not line up the lid will cover this problem.

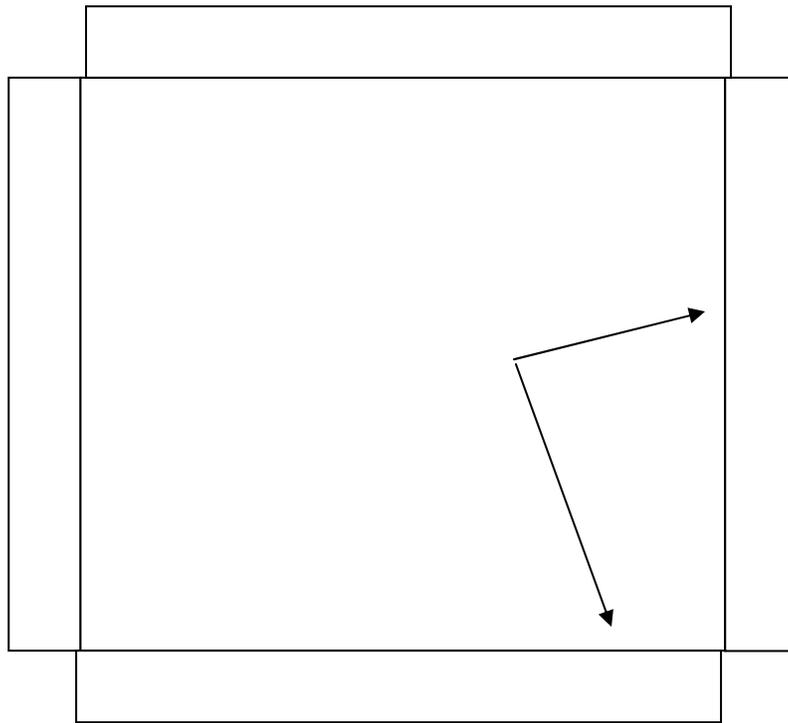
Bends are easily made with an engineering vice, minimum hammering should be necessary.

The tabs should be inside and the box can be secured at the corners with a tack weld /screw/rivot/soldering at the arrow heads.

Check and adjust the squareness of the lid edge.

Making the lid is a similar process but you have to make allowances for the box you have already made.

Lay the box edge down on some sheet metal and draw round it. Straighten up these lines with a ruler and check and make slight adjustments for squareness. These are your bending lines.

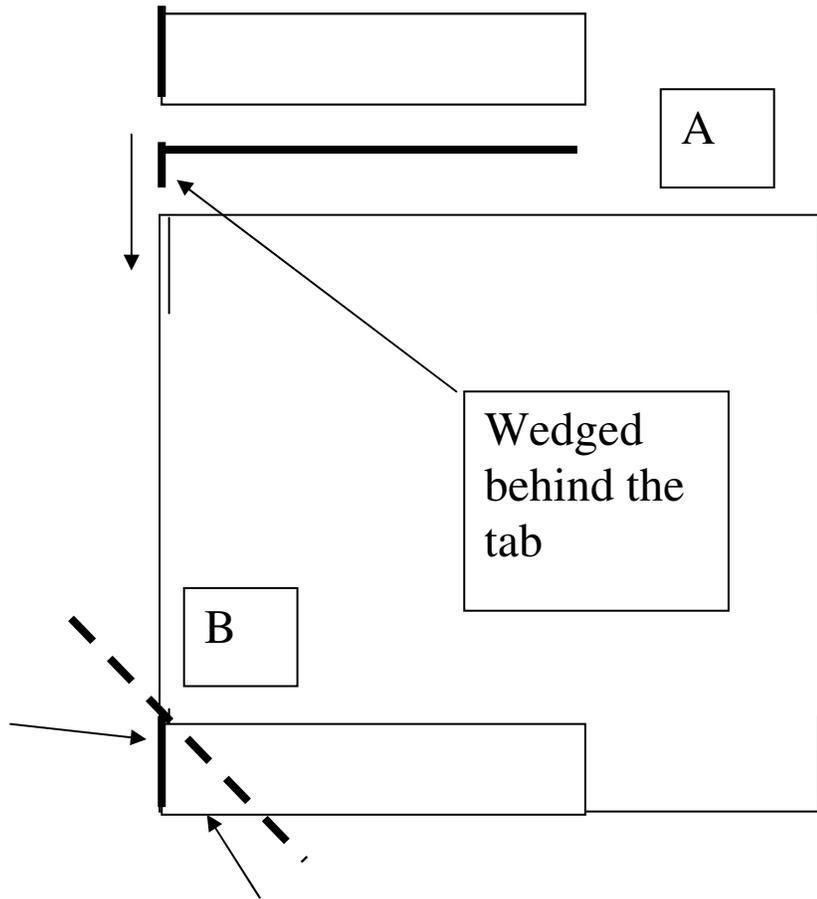


Cut around the square as above $\frac{1}{2}$ inch lip the corners do not need a tab it would stop the lid from closing.

Bend the two arrowed lines first fitting the box into the lid to judge how much material is being used up for the bend (bends can some times be adjusted if they are not hammered square.)

Finally you should be able to complete the second two bends so that the lid is a reasonable fit (that may be only in one of the four ways of fitting)

Make closure tabs through which self tapping screws can be used to secure the lid.



An inch strip of metal is bent to give $\frac{1}{4}$ inch tab which is wedged into the case corner tab (A).

Two welds are made in (B) at the arrow heads and then surplus metal can be cut off as dotted line. This is repeated at each corner.

Finally drill and use self tapping screws.

