

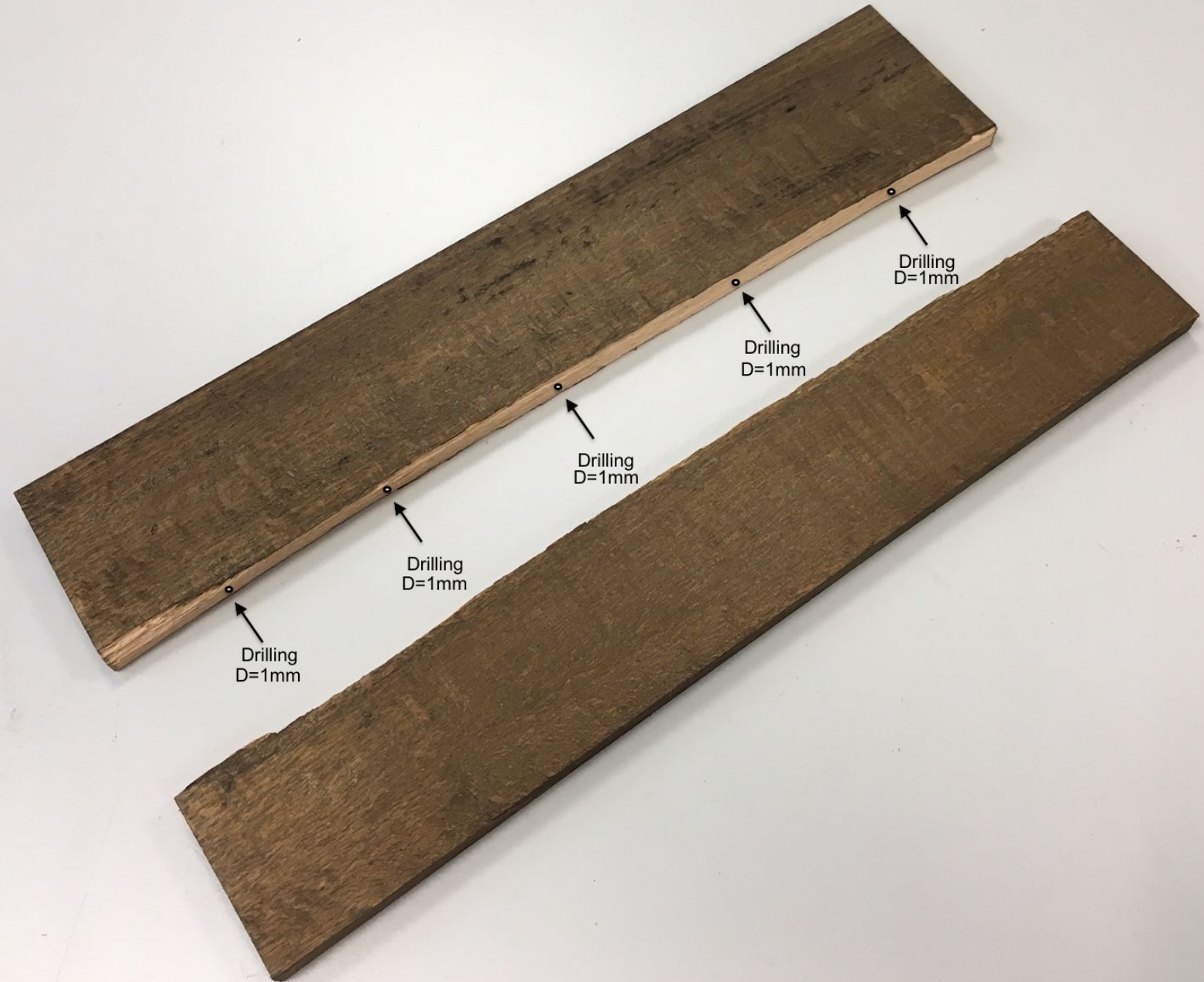
Application and use of a wooden frame as press
for broken wooden boards.

Part 1) How the frame is used

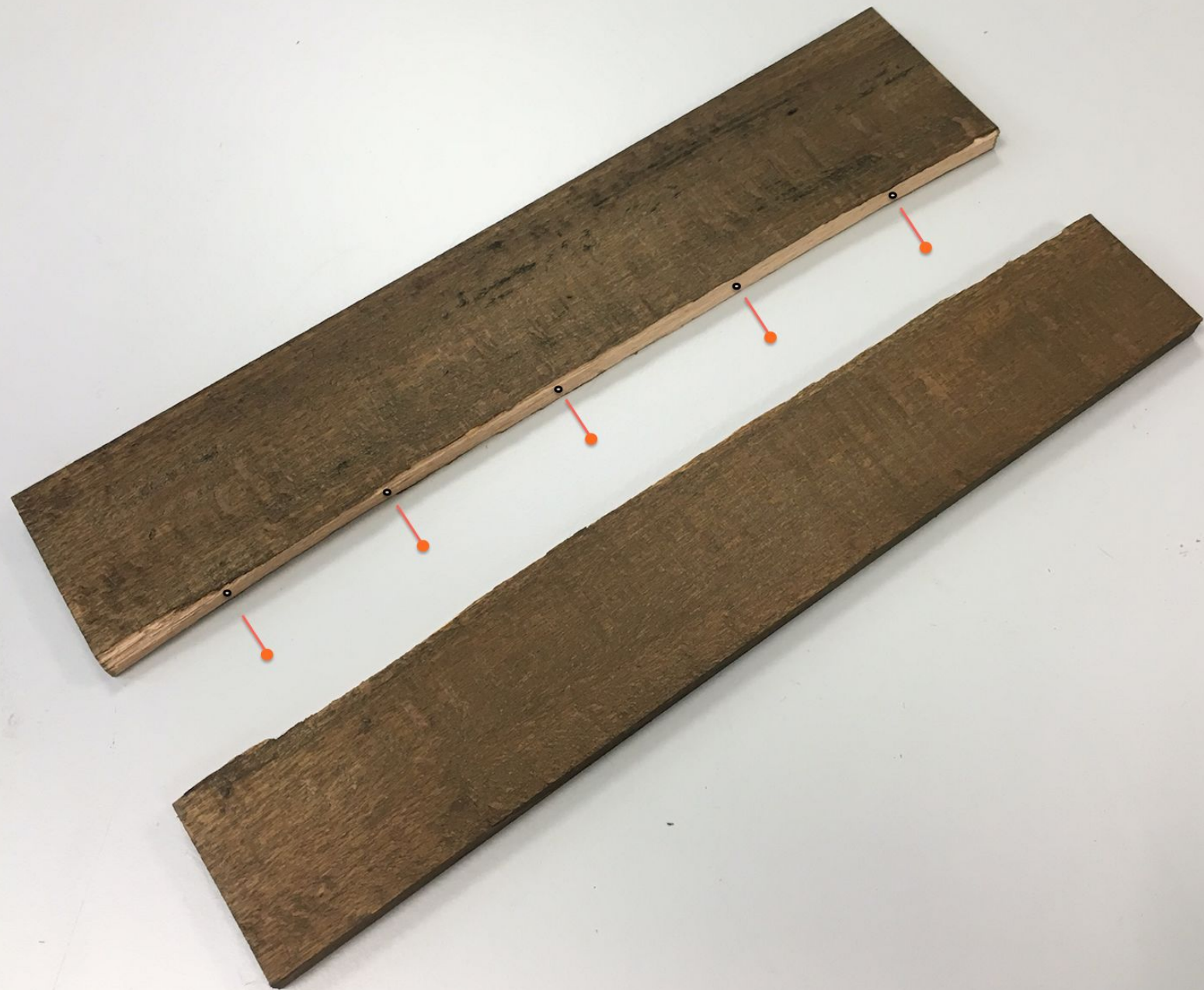
Part 2) Construction, drawing and dimensions
of the frame

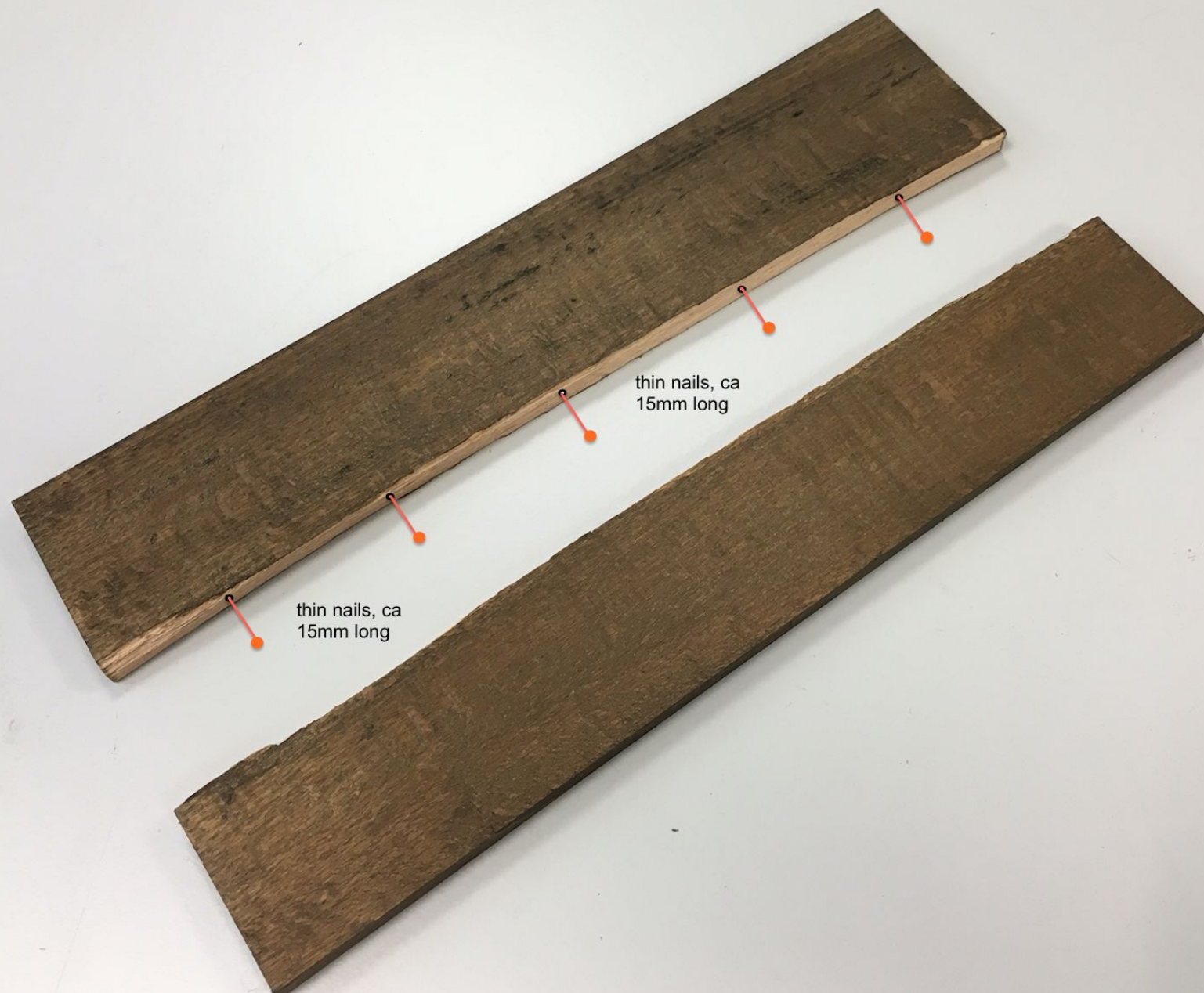
The problem:

Broken
wooden boards
need to be
securely
attached.



1





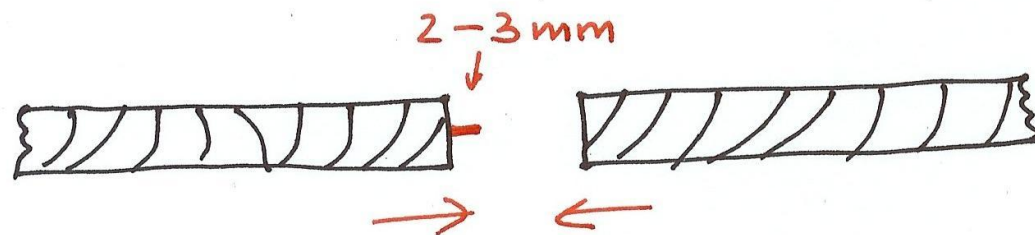
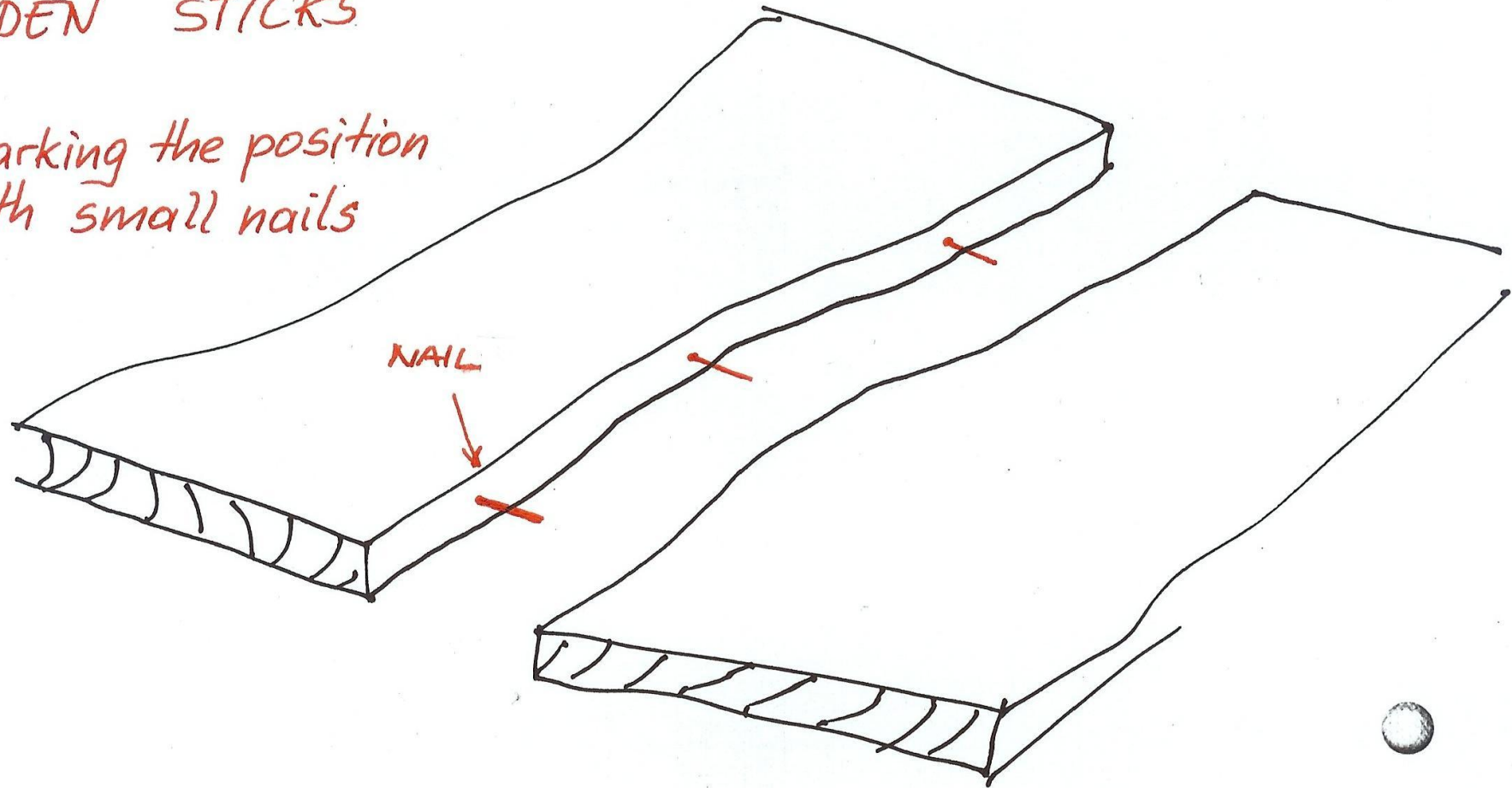
thin nails, ca
15mm long

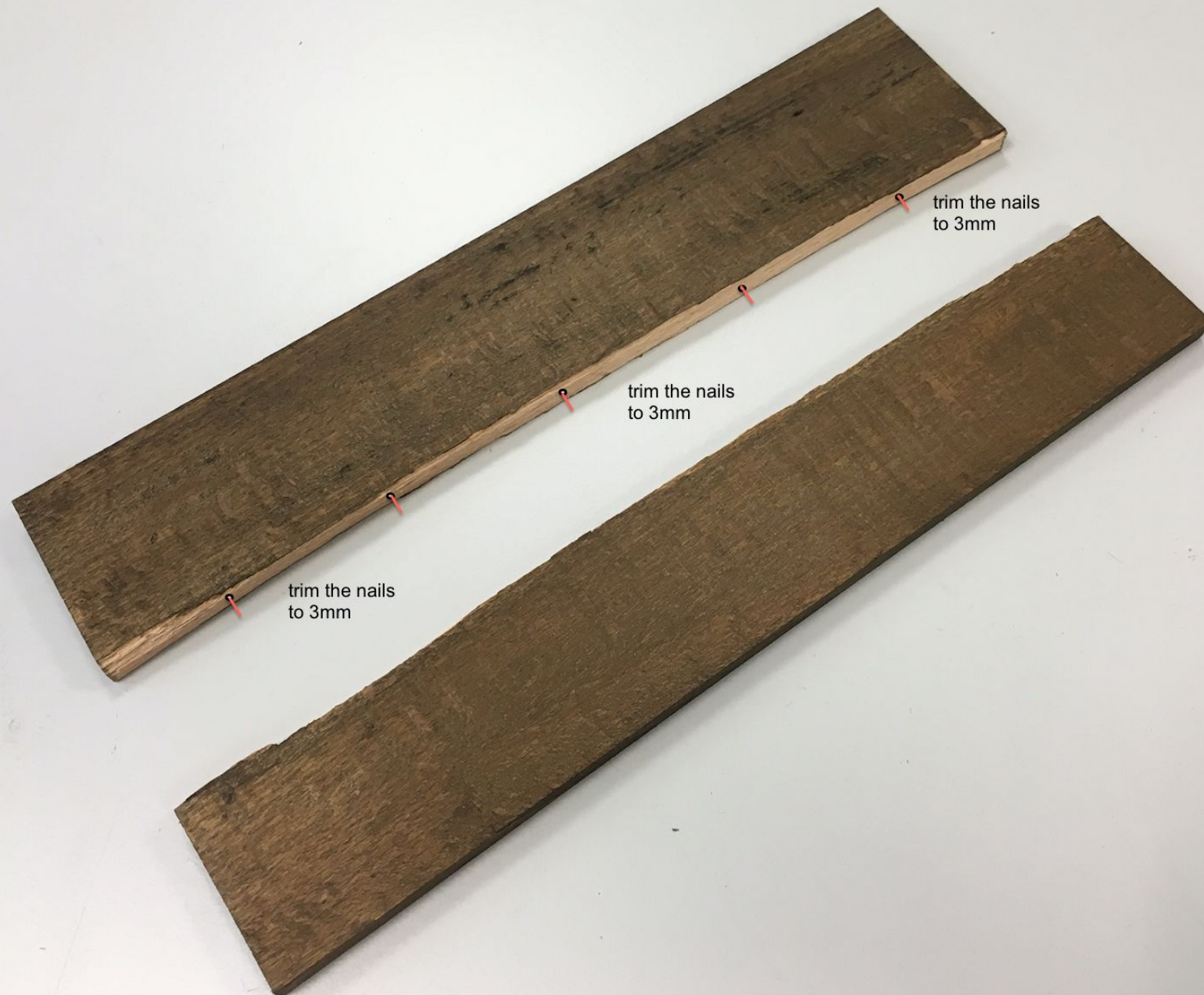
thin nails, ca
15mm long

2

CONNECTION WITH WOODEN STICKS

1) Marking the position
with small nails





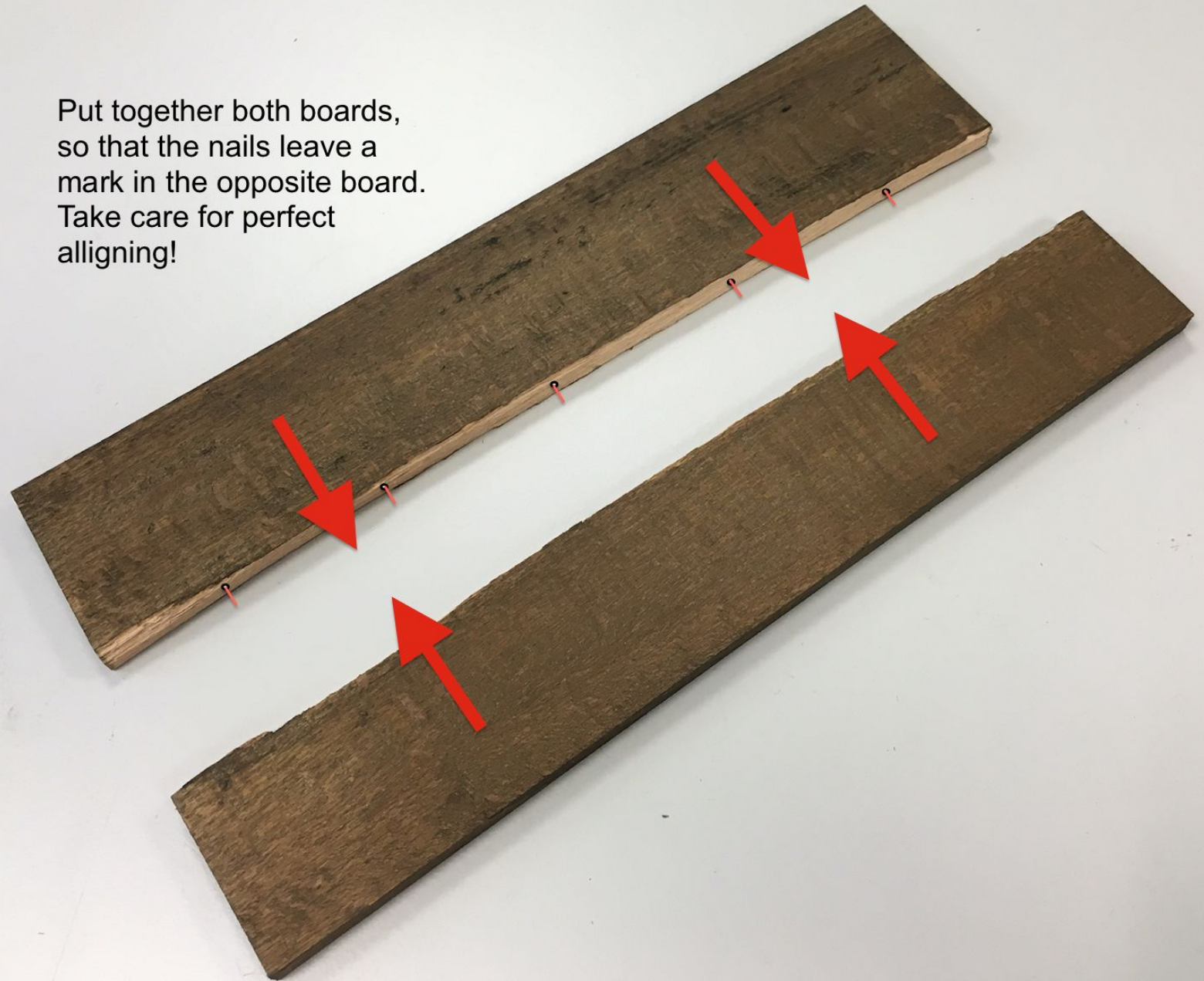
trim the nails to 3mm

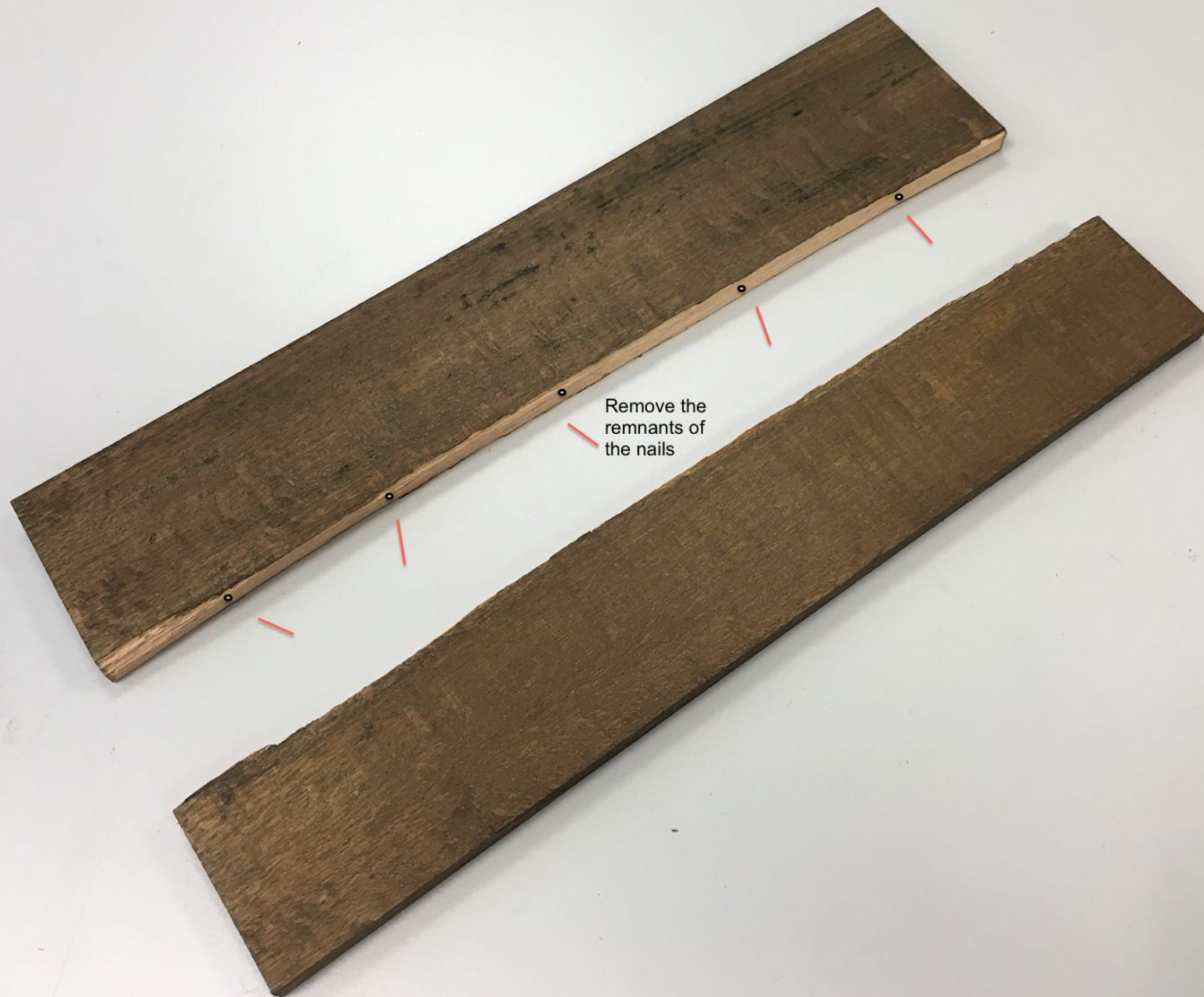
trim the nails to 3mm

trim the nails to 3mm

4

Put together both boards,
so that the nails leave a
mark in the opposite board.
Take care for perfect
aligning!

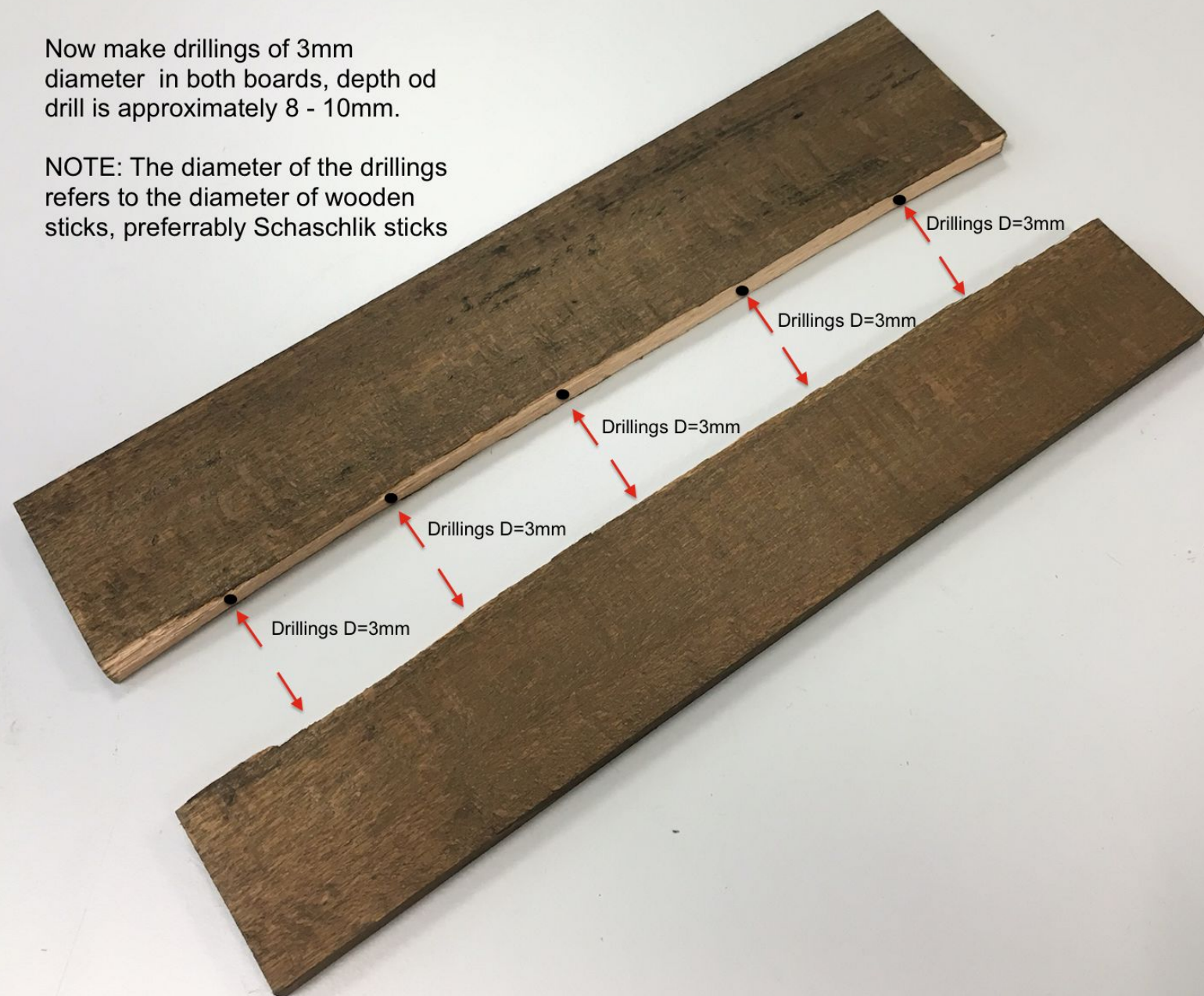




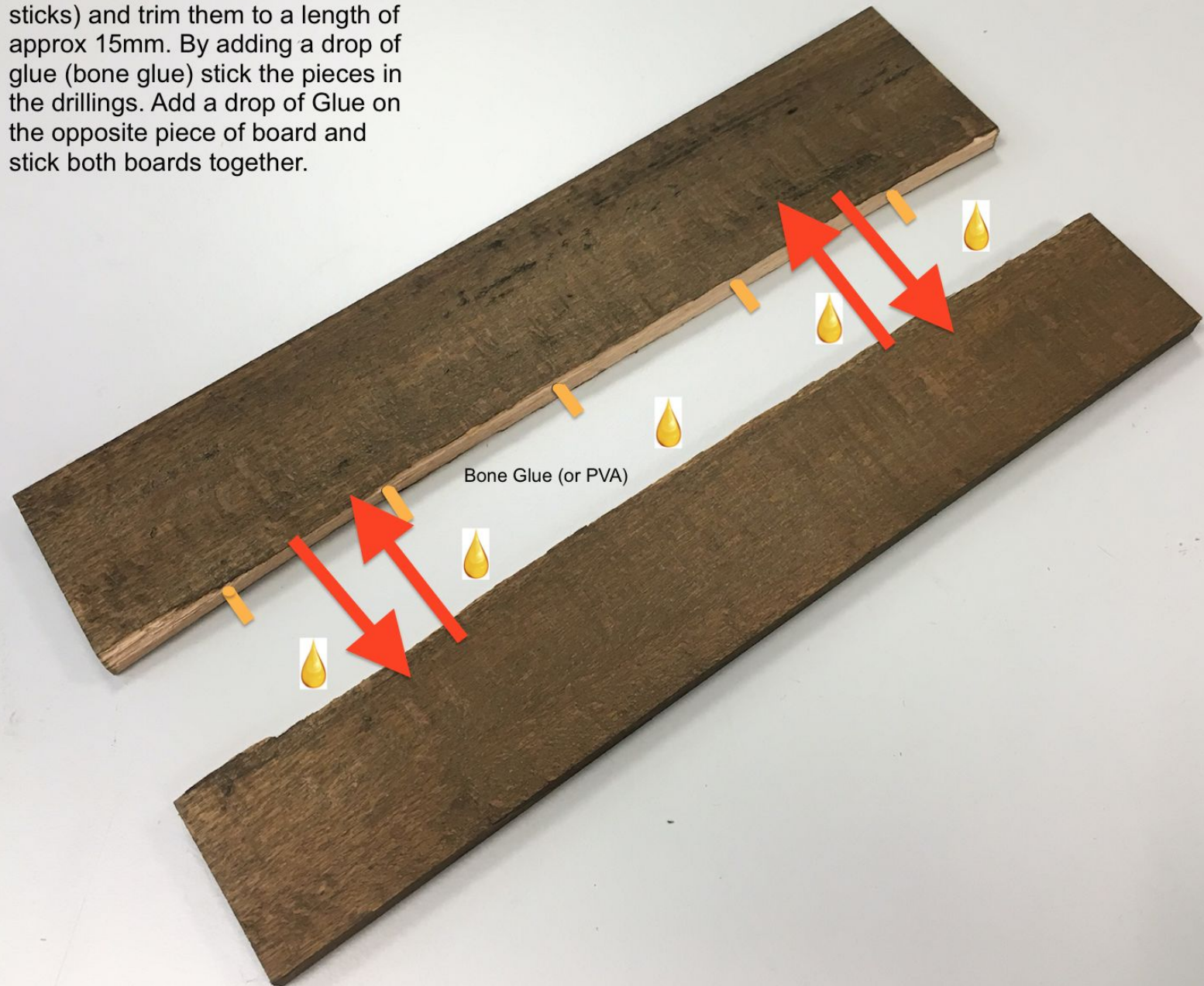
Remove the remnants of the nails

Now make drillings of 3mm diameter in both boards, depth of drill is approximately 8 - 10mm.

NOTE: The diameter of the drillings refers to the diameter of wooden sticks, preferably Schaschlik sticks

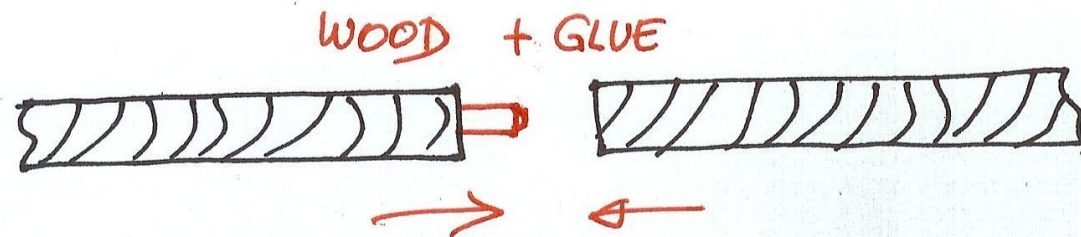
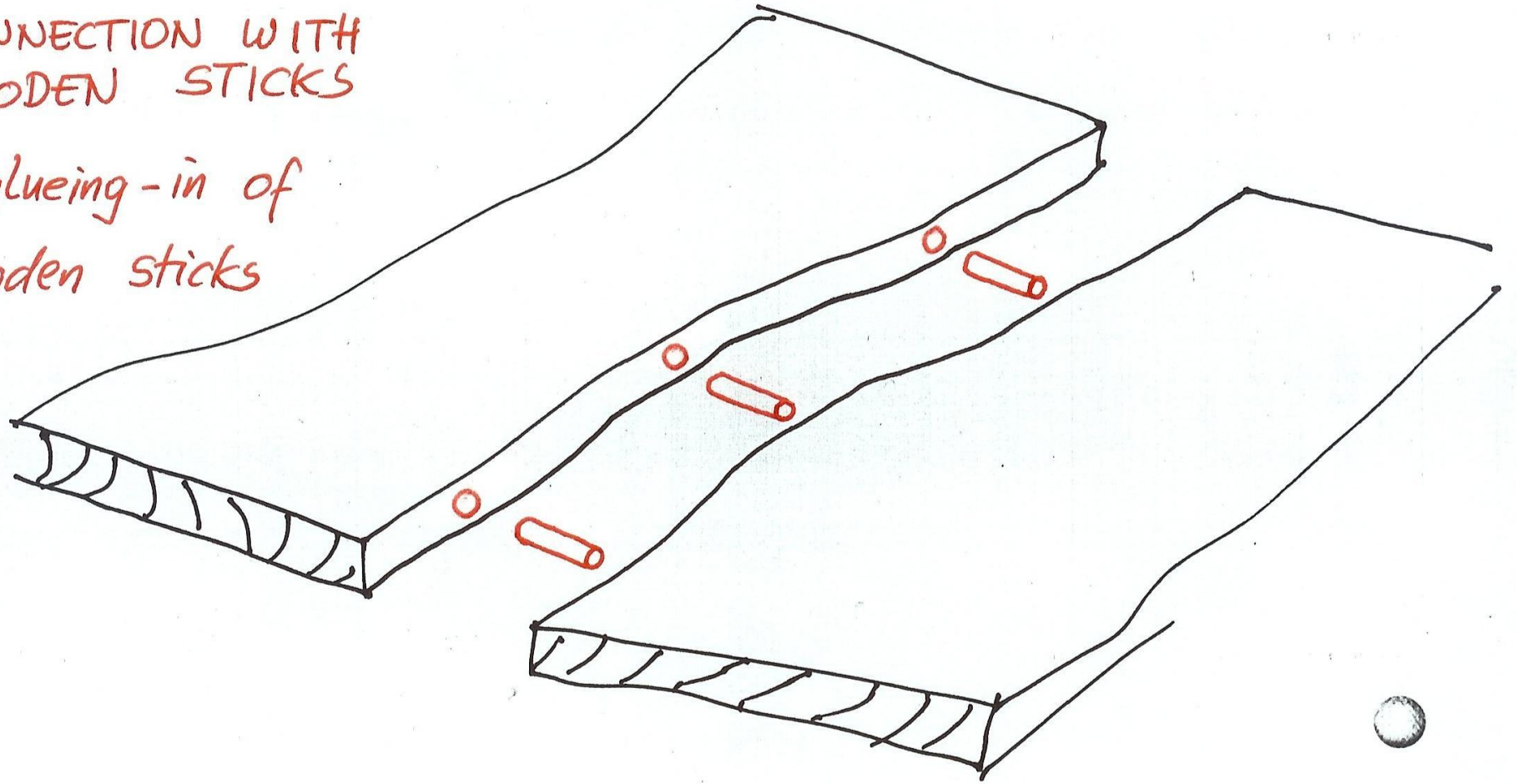


Cut wooden sticks (Schaschlik sticks) and trim them to a length of approx 15mm. By adding a drop of glue (bone glue) stick the pieces in the drillings. Add a drop of Glue on the opposite piece of board and stick both boards together.



CONNECTION WITH WOODEN STICKS

2) glueing-in of
wooden sticks

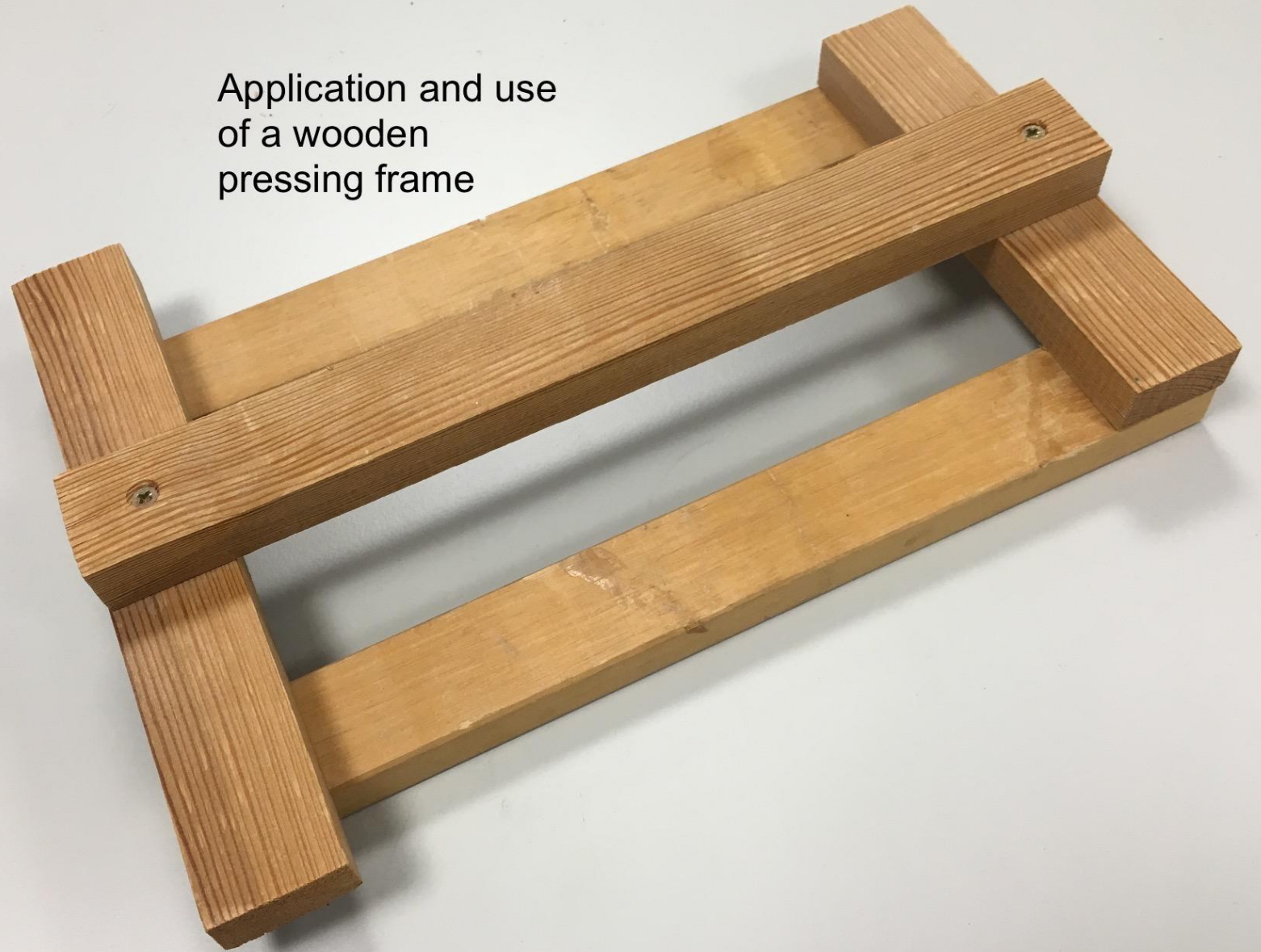




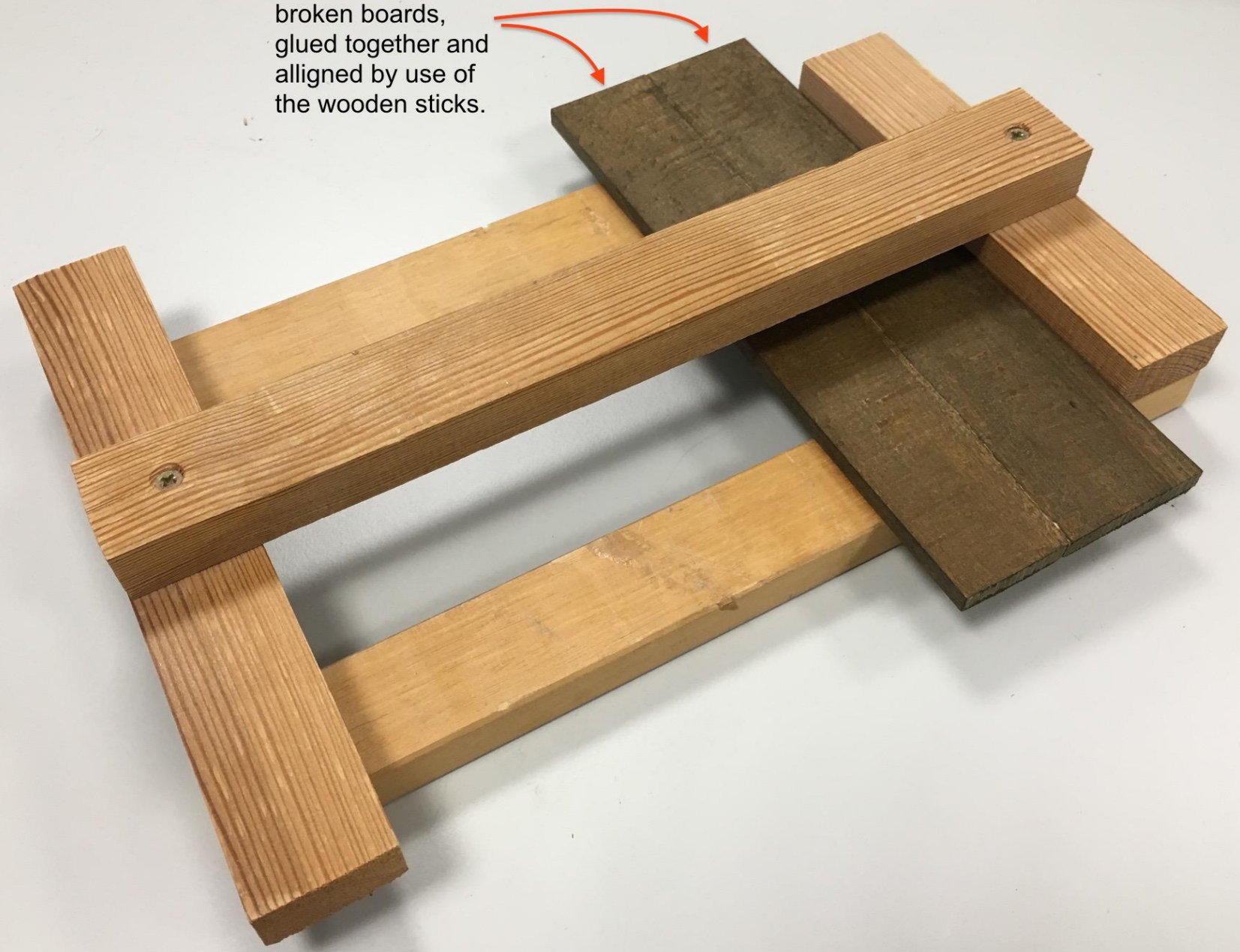
A special tool
for pressing
broken
wooden
boards,
developed by
my colleague
Reinhard
Erlacher




Application and use
of a wooden
pressing frame



broken boards,
glued together and
aligned by use of
the wooden sticks.

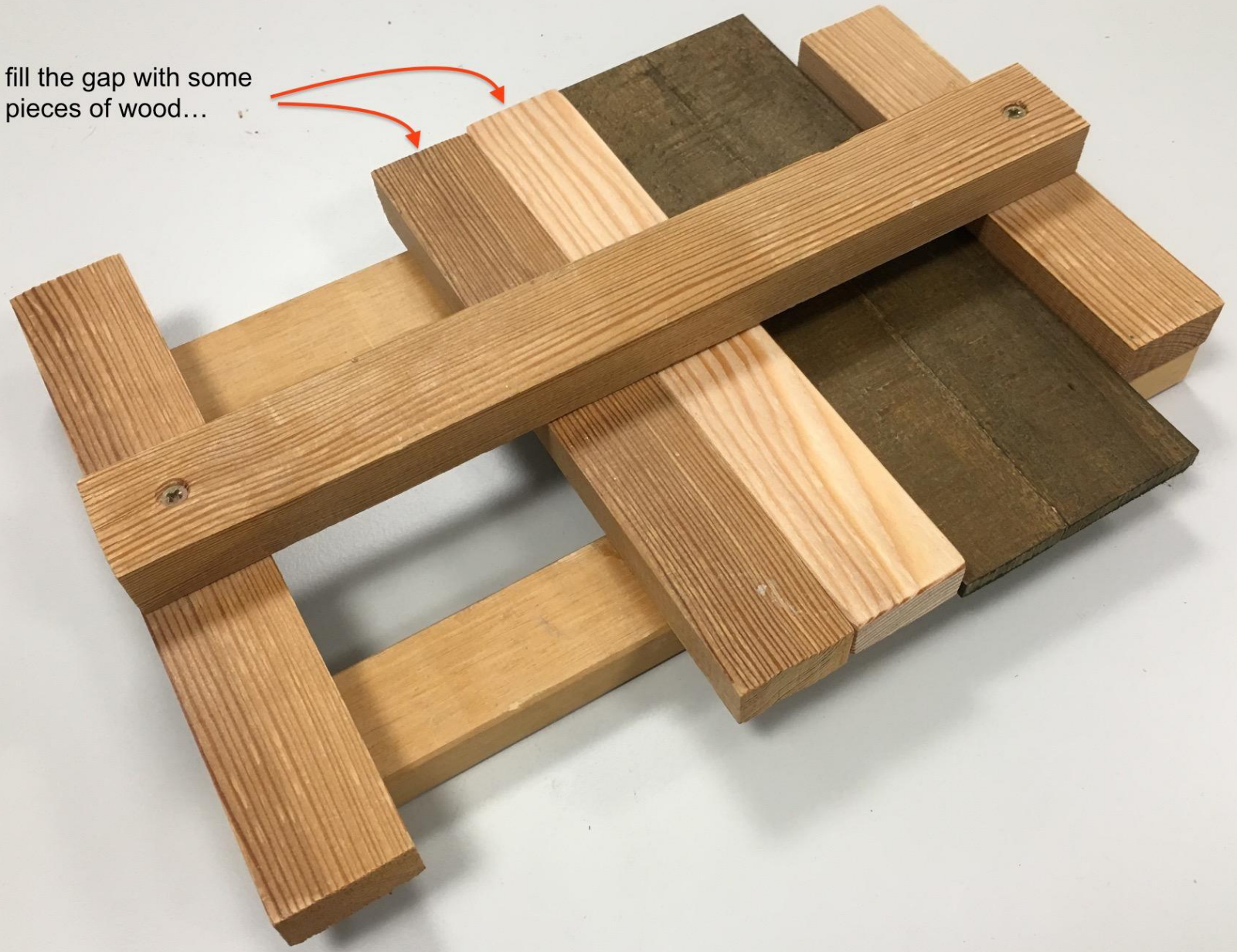




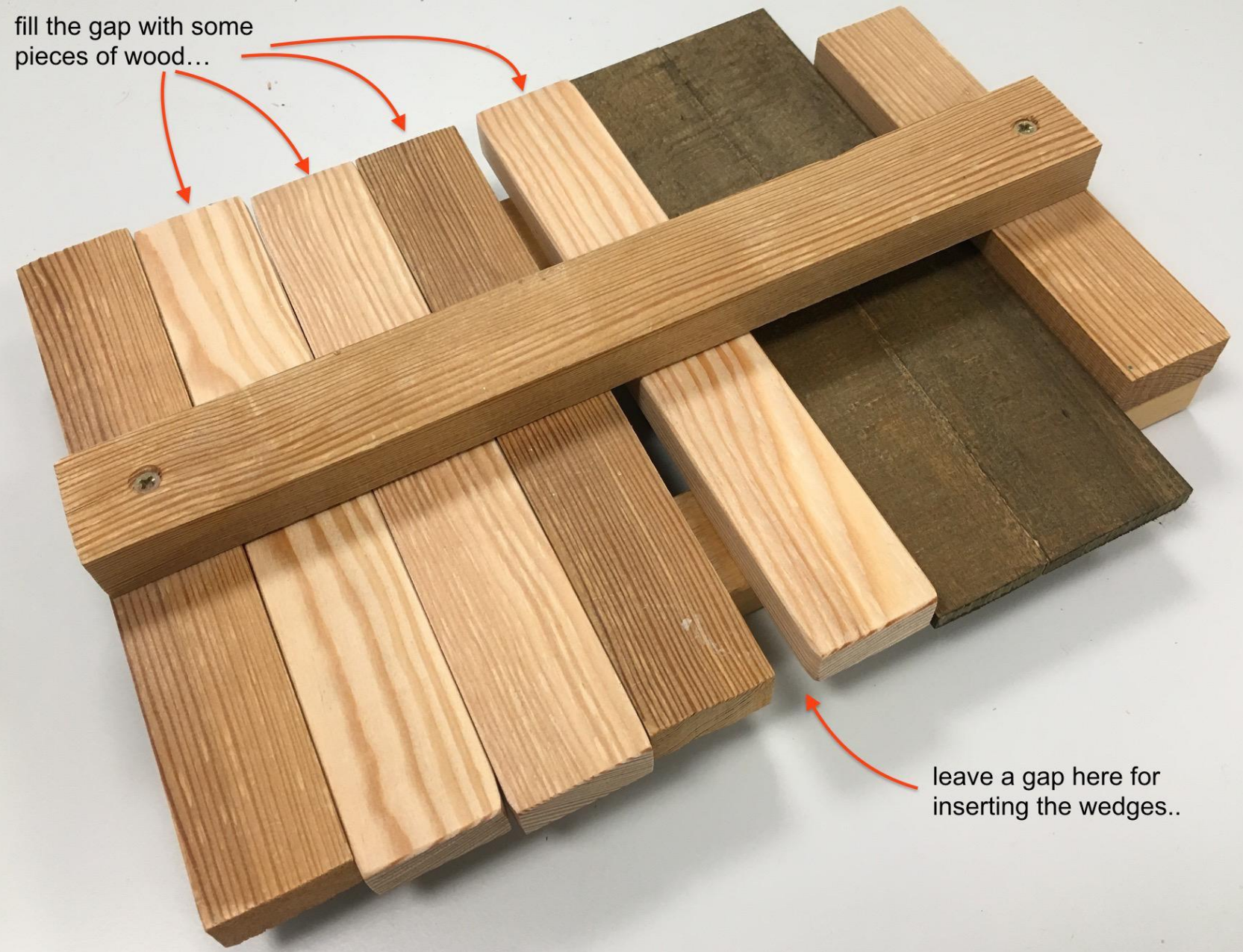
Some pieces of wood,
40x20mm, L= 24cm

several wooden wedges of
different sizes

fill the gap with some
pieces of wood...

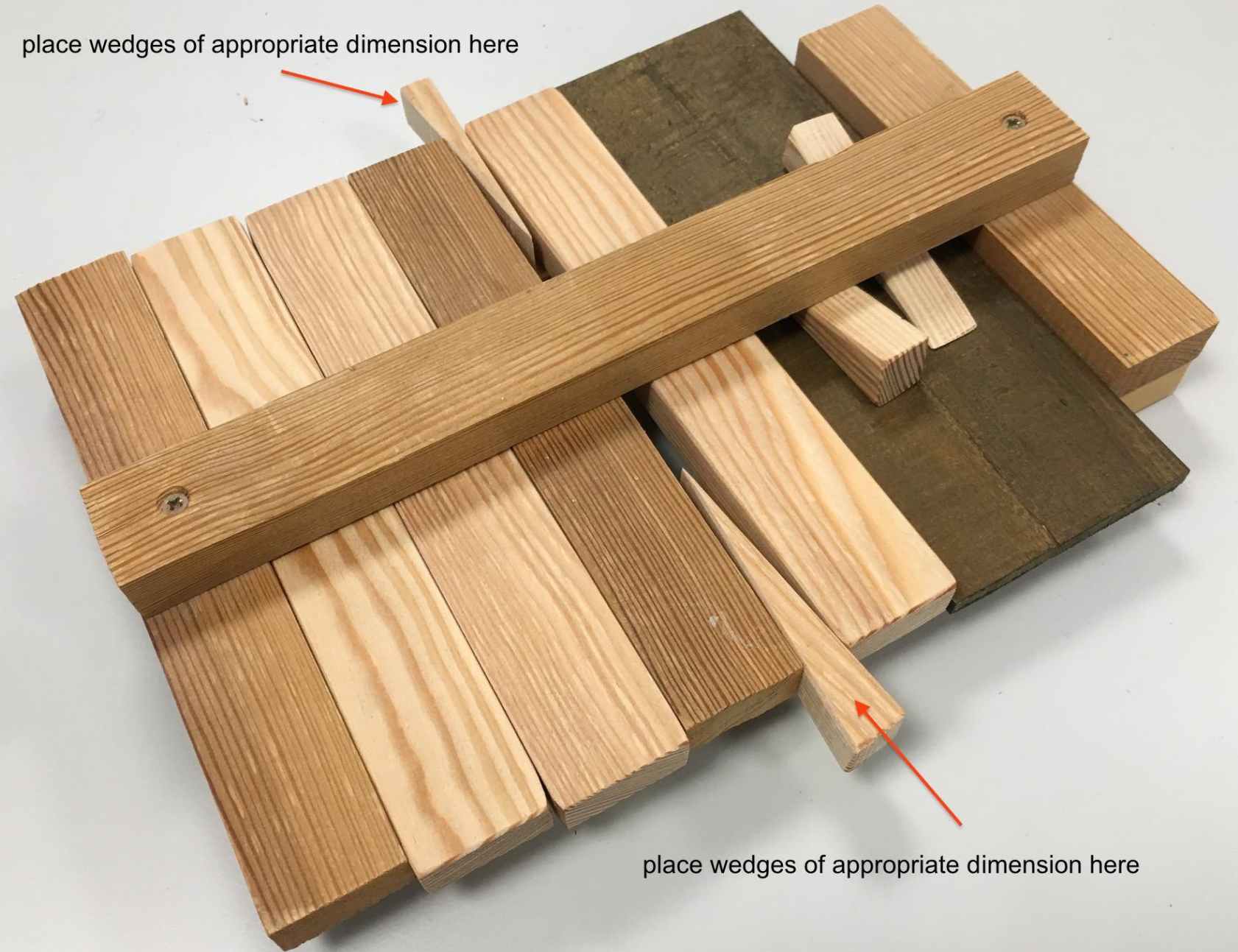


fill the gap with some
pieces of wood...



leave a gap here for
inserting the wedges..

place wedges of appropriate dimension here



place wedges of appropriate dimension here



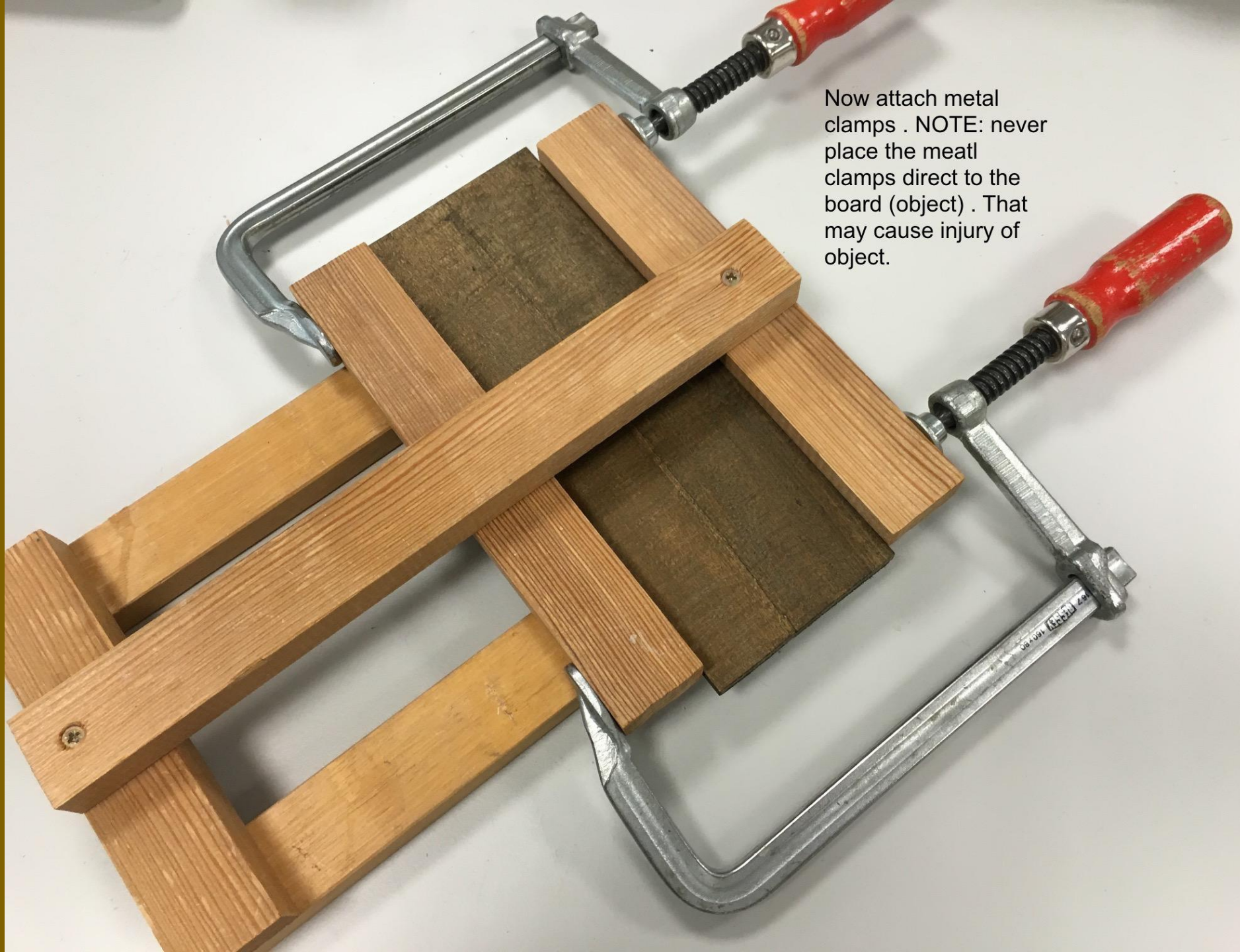
place wedges here
to hold the boards
flat while pressing

But: if clamps are available, they can be used as well

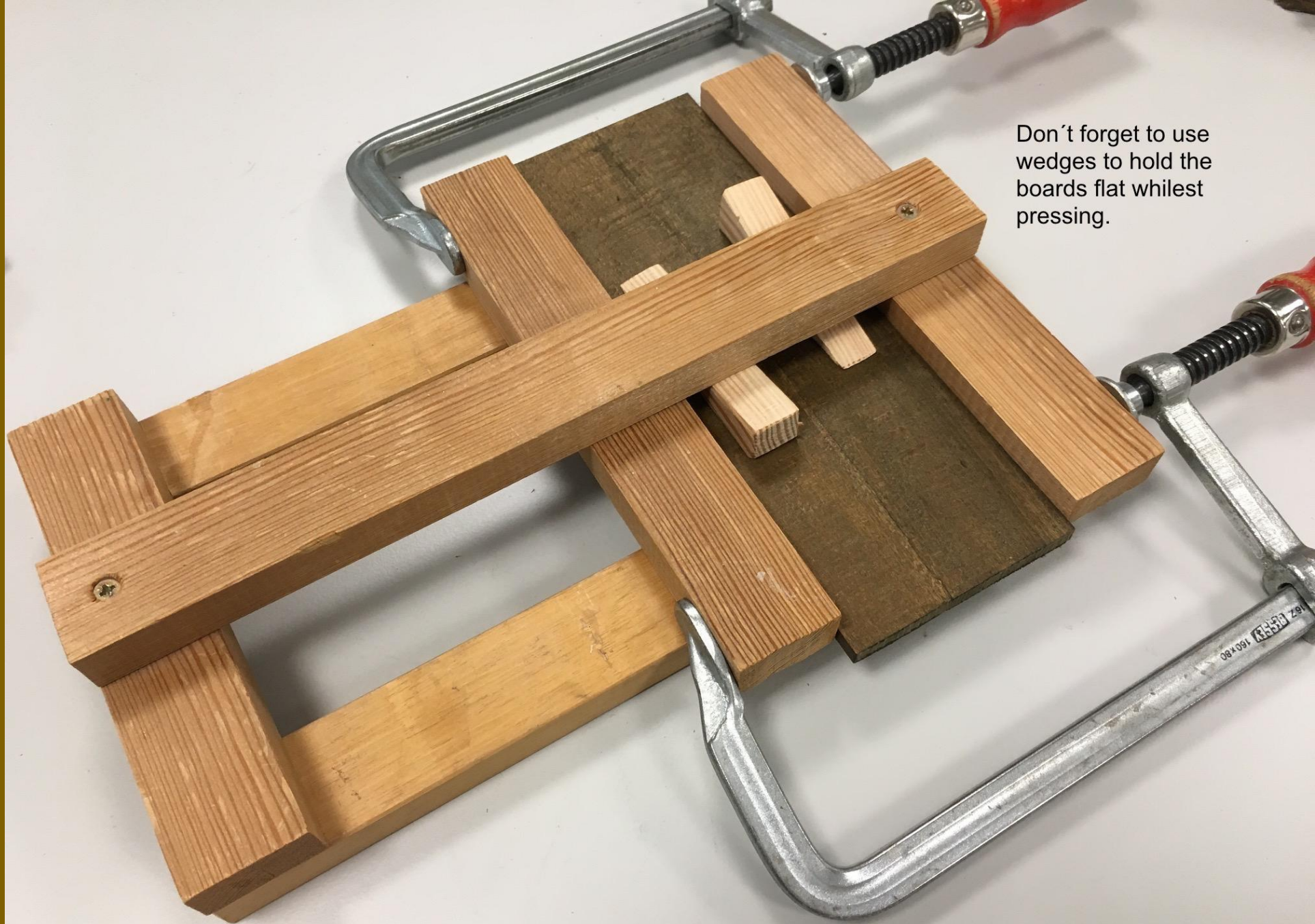


place broken boards
as shown between the
wooden clamp and a
piece of wood.

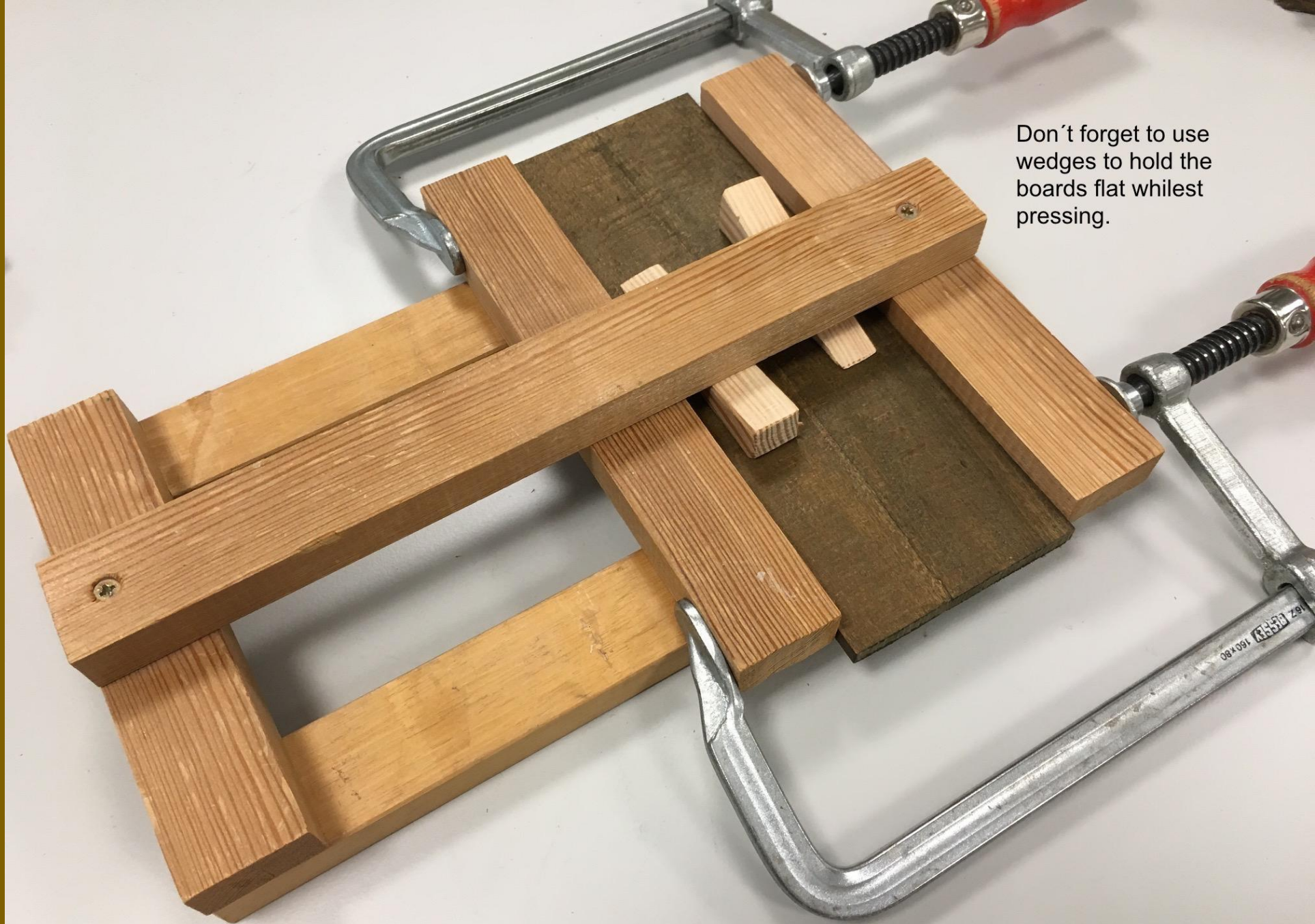




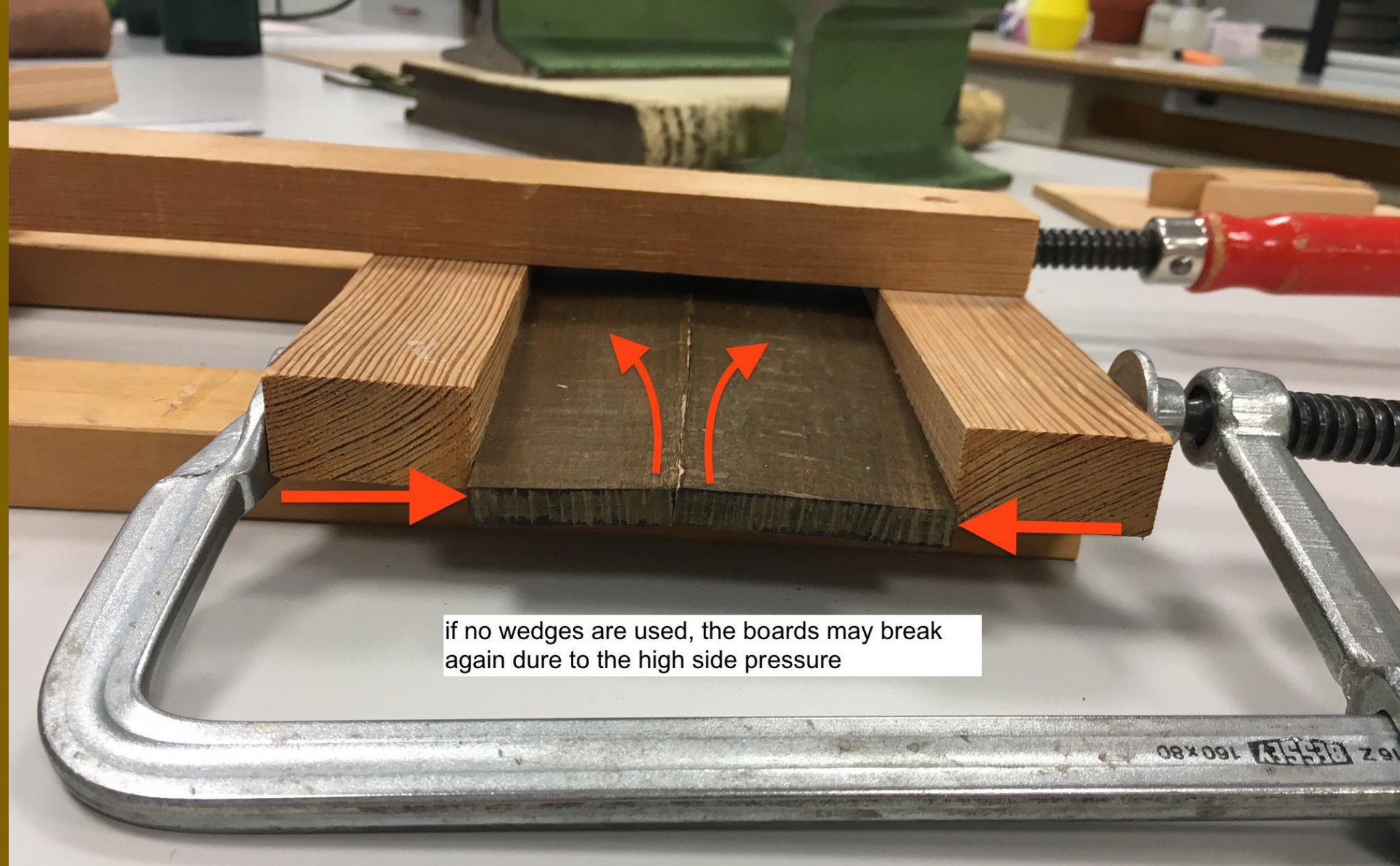
Now attach metal clamps . NOTE: never place the meatl clamps direct to the board (object) . That may cause injury of object.



Don't forget to use wedges to hold the boards flat whilst pressing.

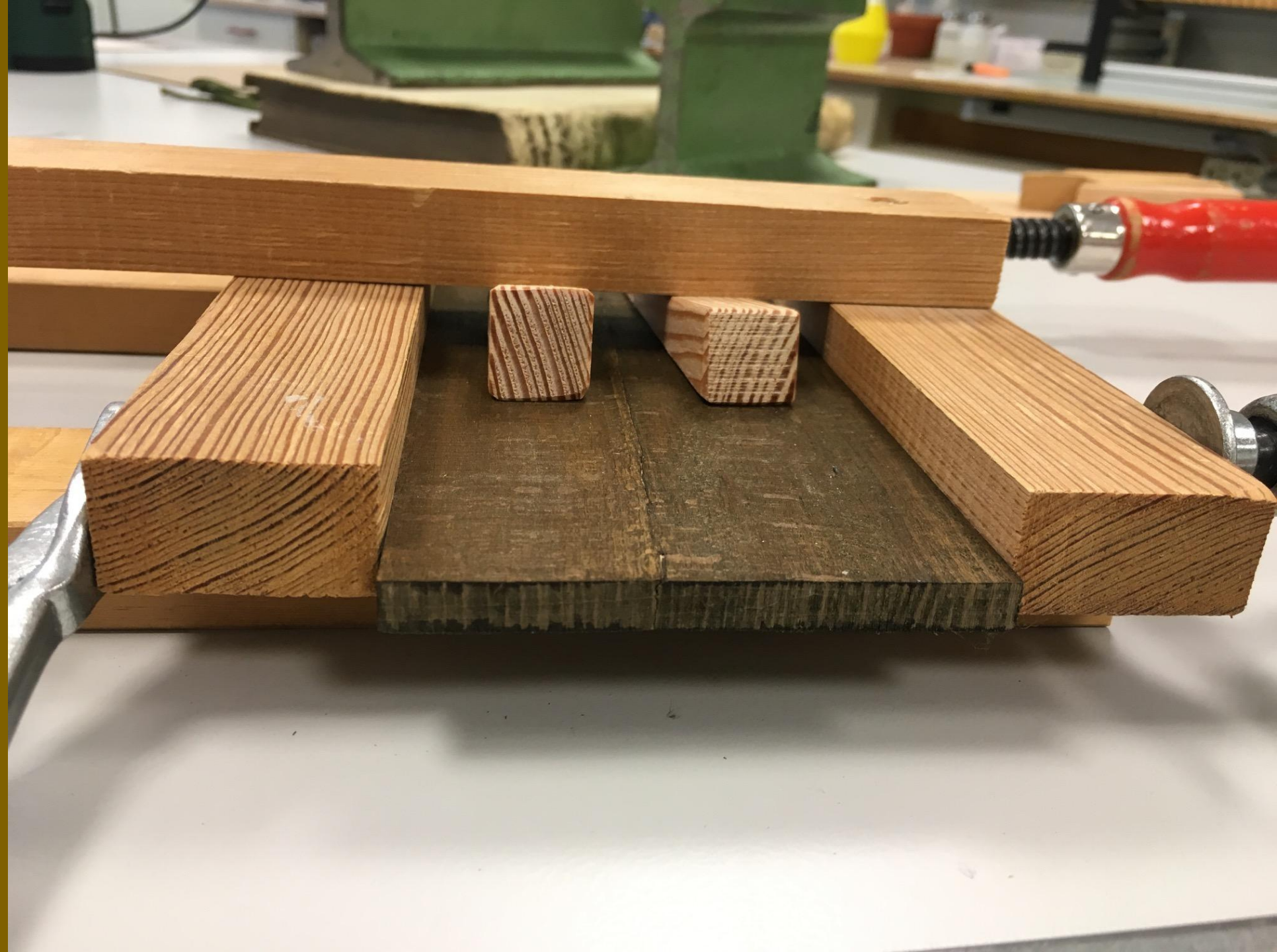


Don't forget to use wedges to hold the boards flat whilst pressing.



if no wedges are used, the boards may break again due to the high side pressure





For additional strengthening a wooden dovetail can be made and glued into a groove on the boards



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The dovetail is an enormous improvement of the construction.

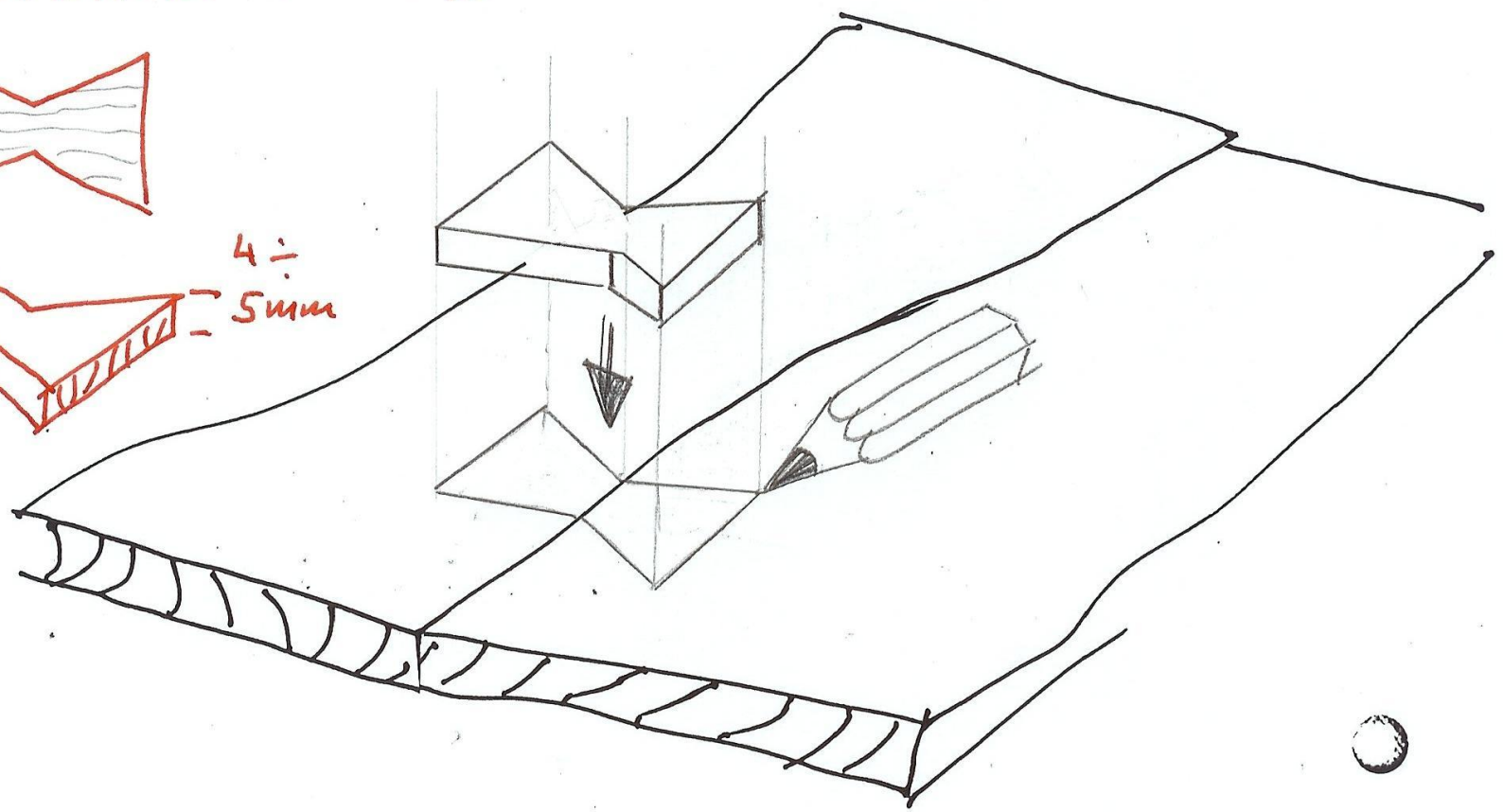
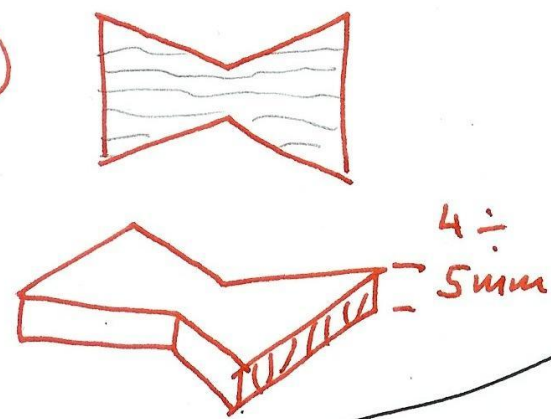


First make a dovetail of wood, ca 4-5mm thick.

Then place it on the board and make a line around the piece

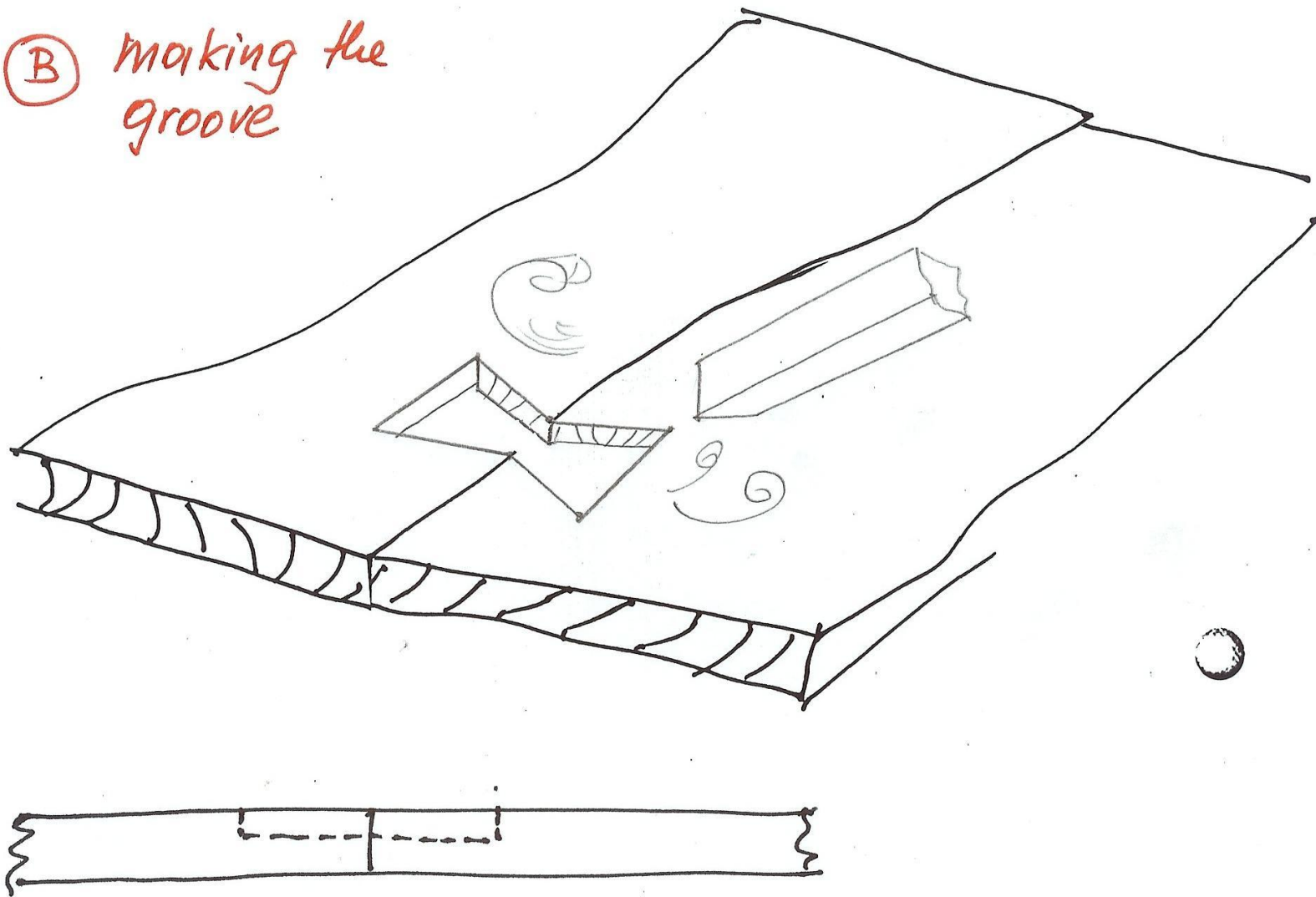
2) DOVETAIL - METHOD

(A)



2) DOVETAIL - Method

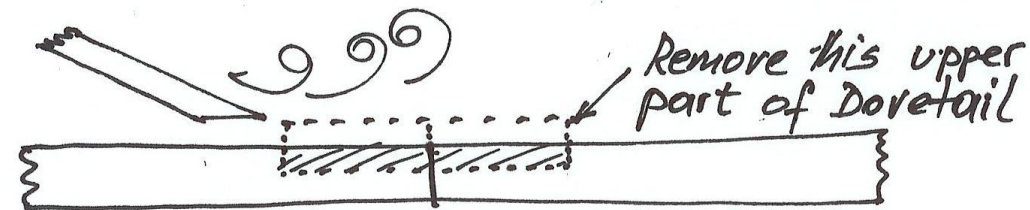
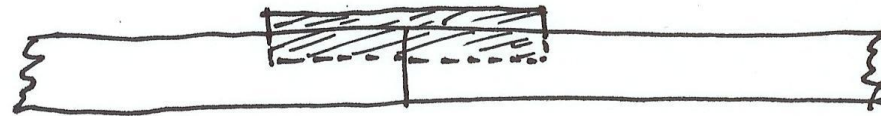
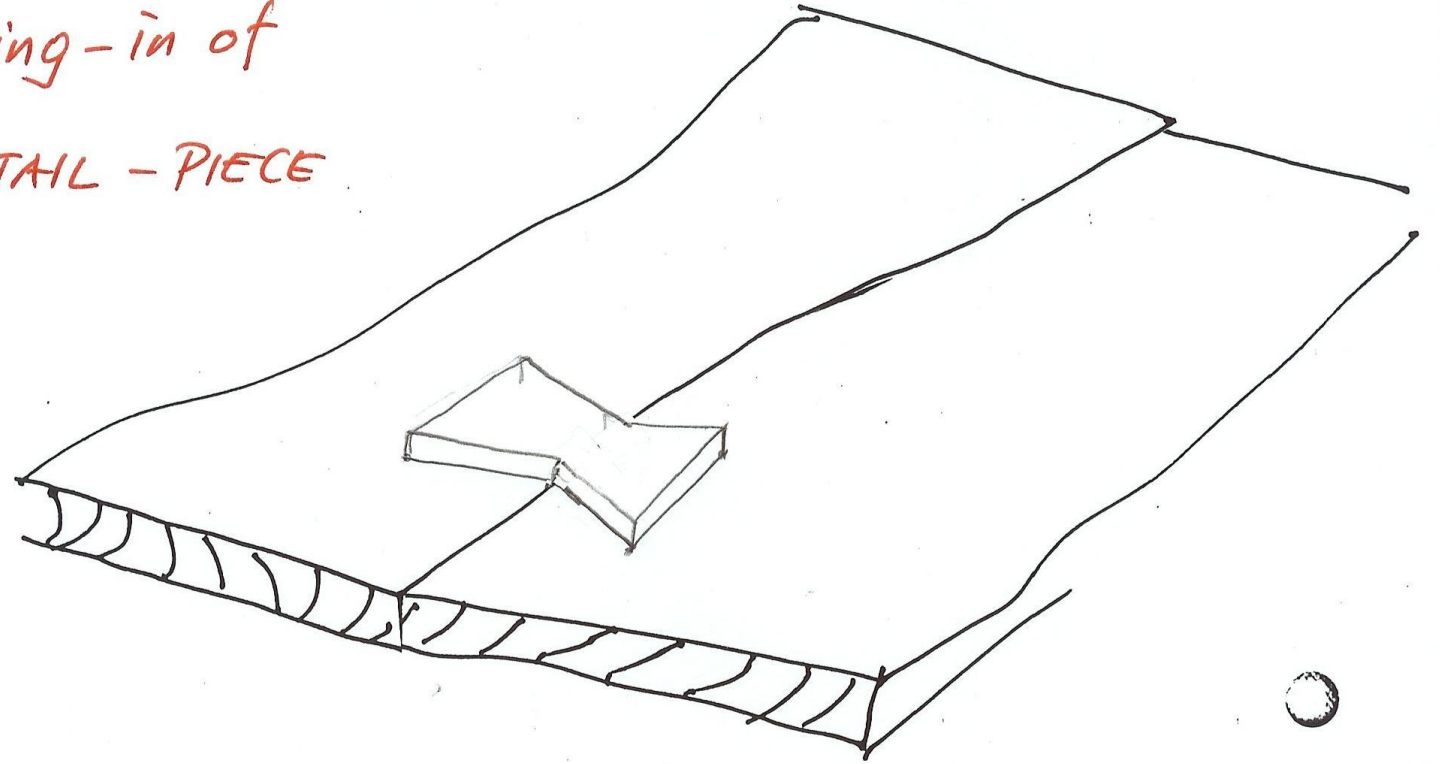
(B) marking the groove



Now make the groove, by use of a sharp crowbar (лом)

2) DOVETAIL-METHOD

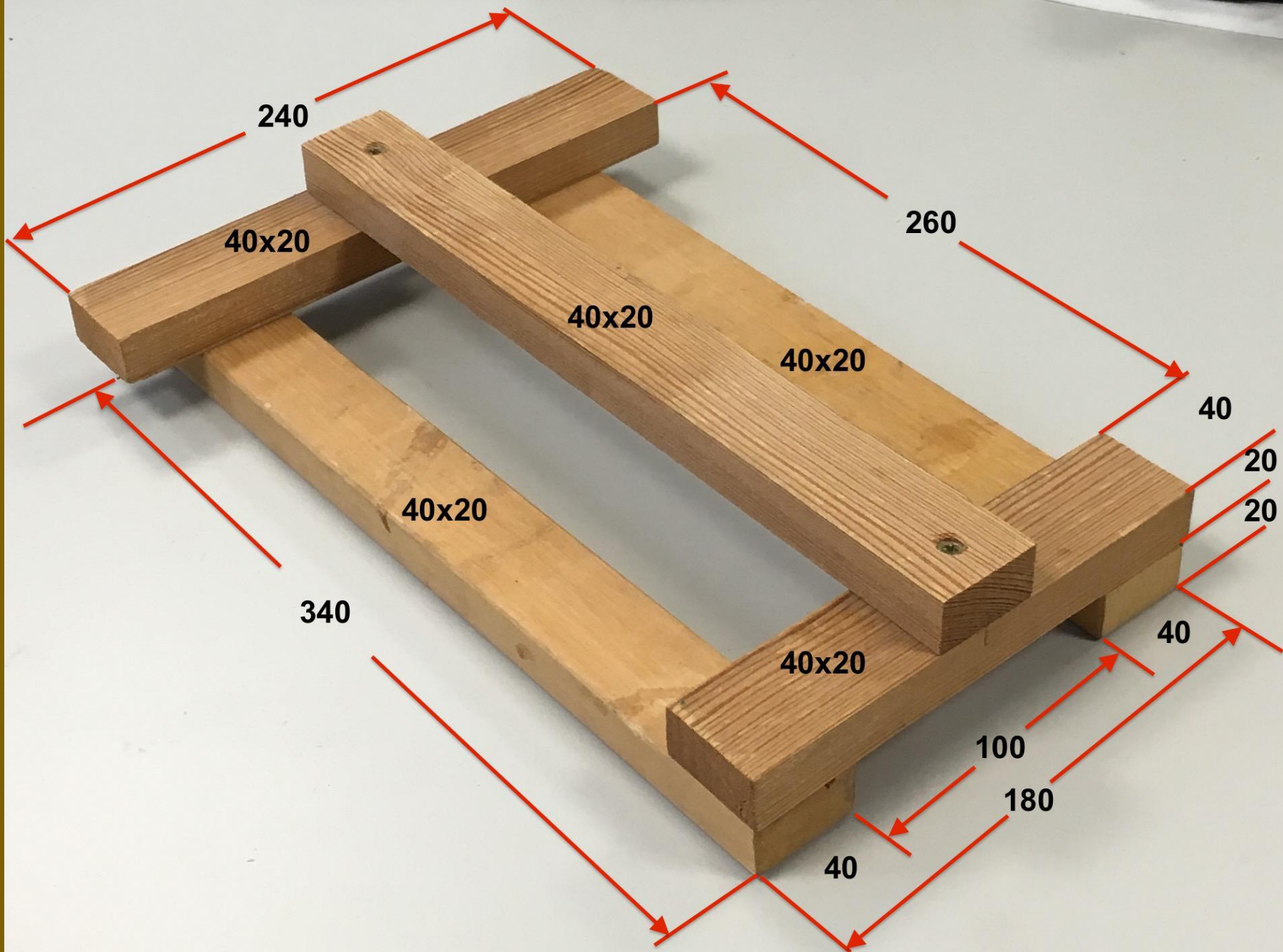
Ⓒ glueing-in of
DOVETAIL - PIECE

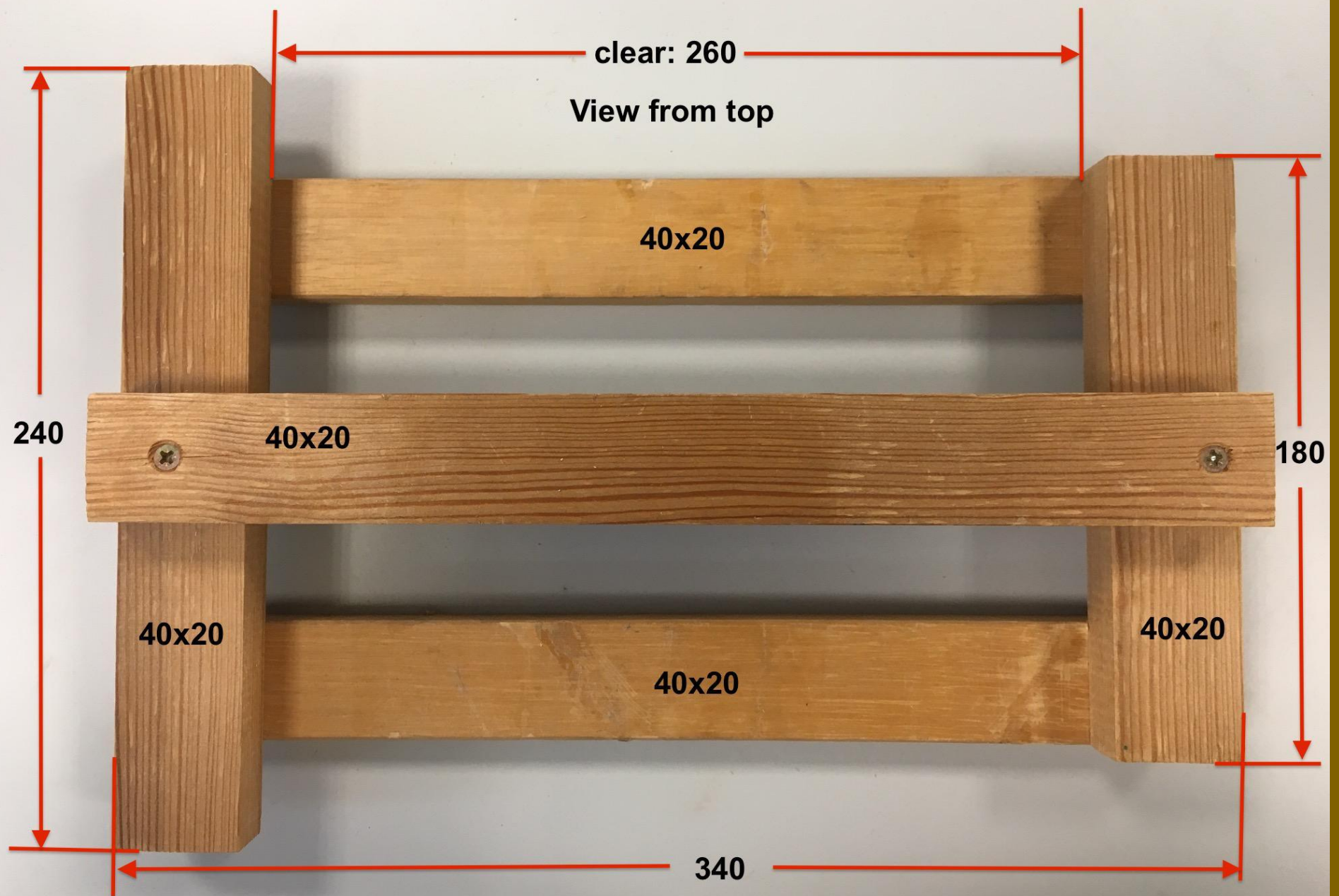


Glue the groove, then place in the dovetail-piece.
After drying remove protrude part of the dovetail.

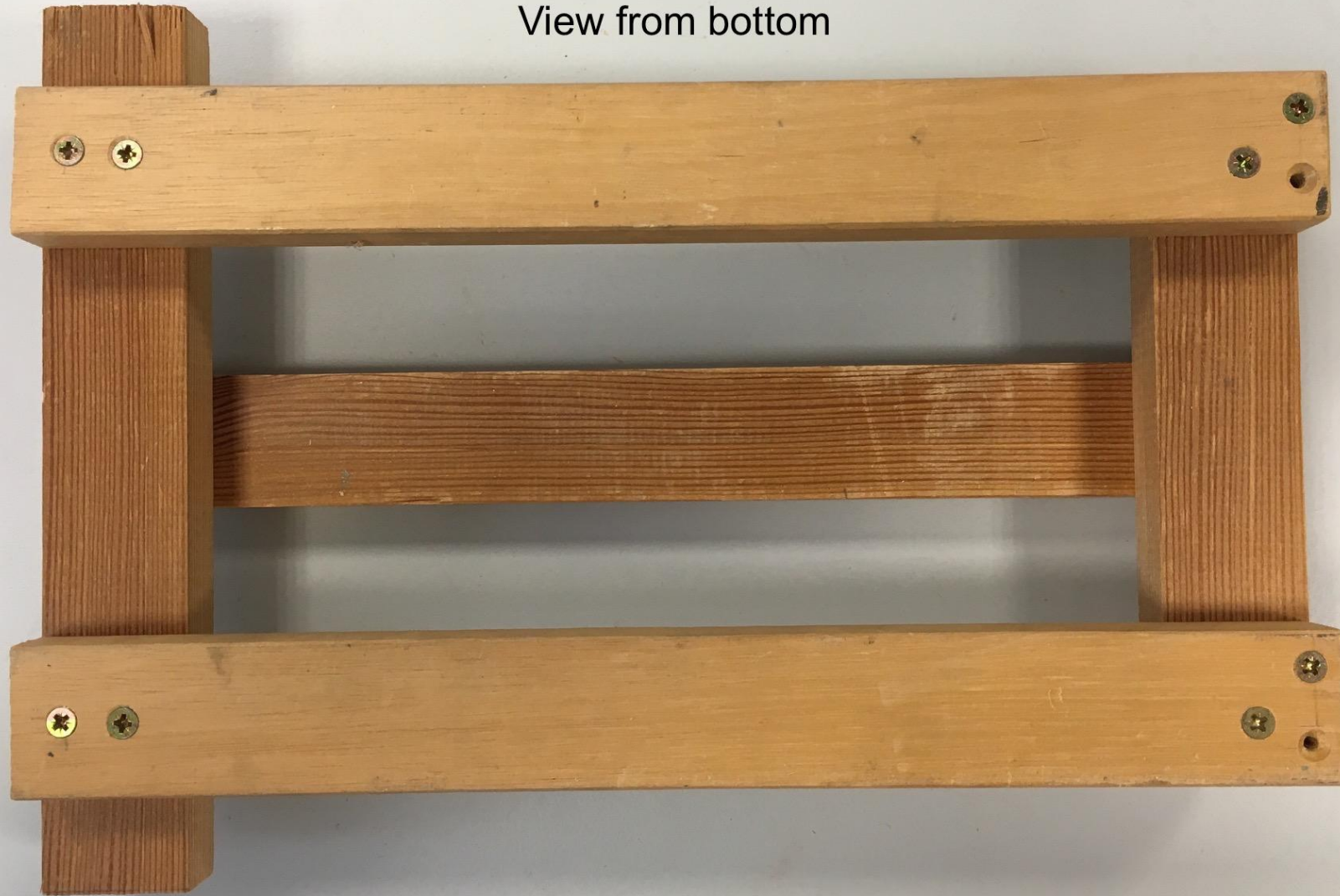








View from bottom



Thank you