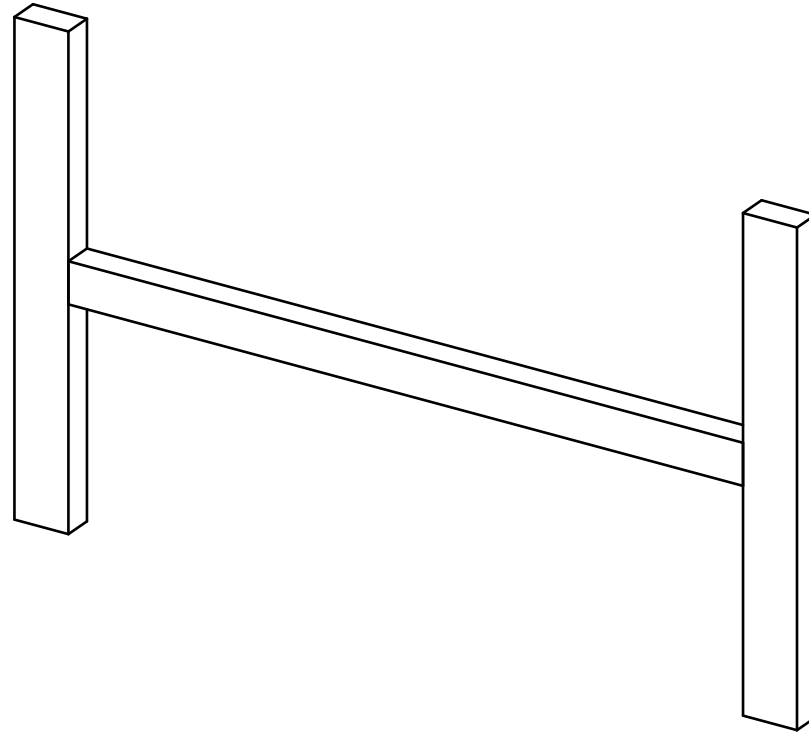


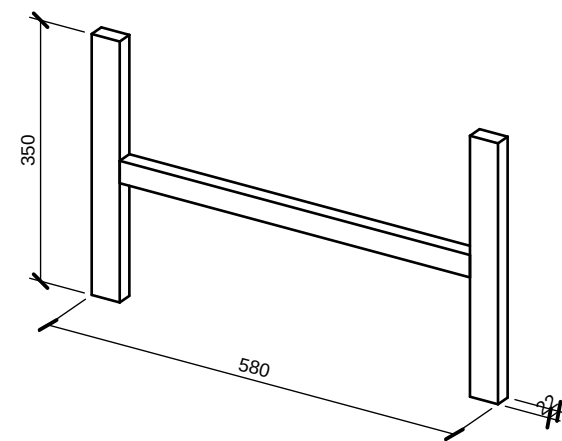
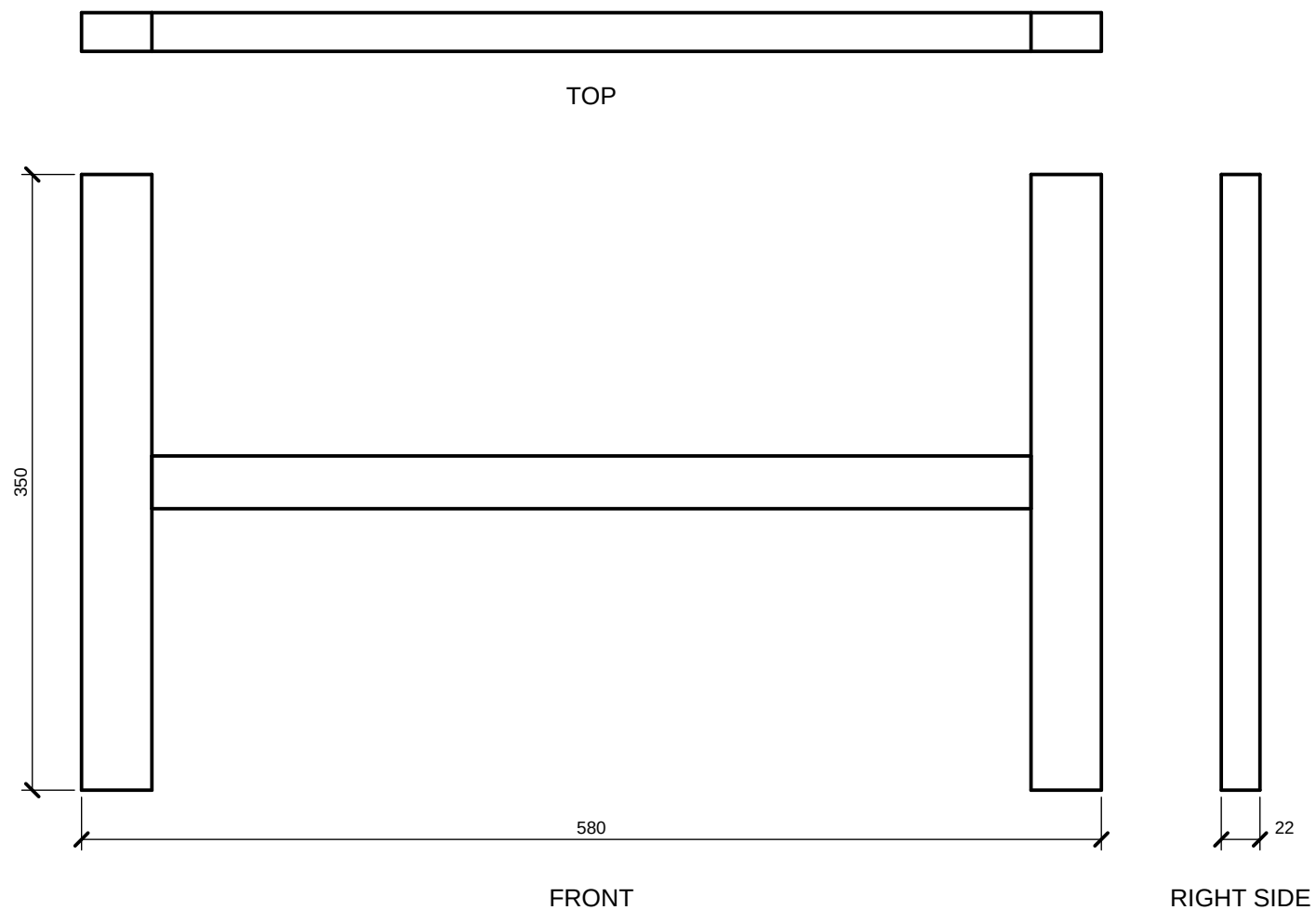
Bow saw frame



parts	3 (2 different)
overall	580 x 22 x 350 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

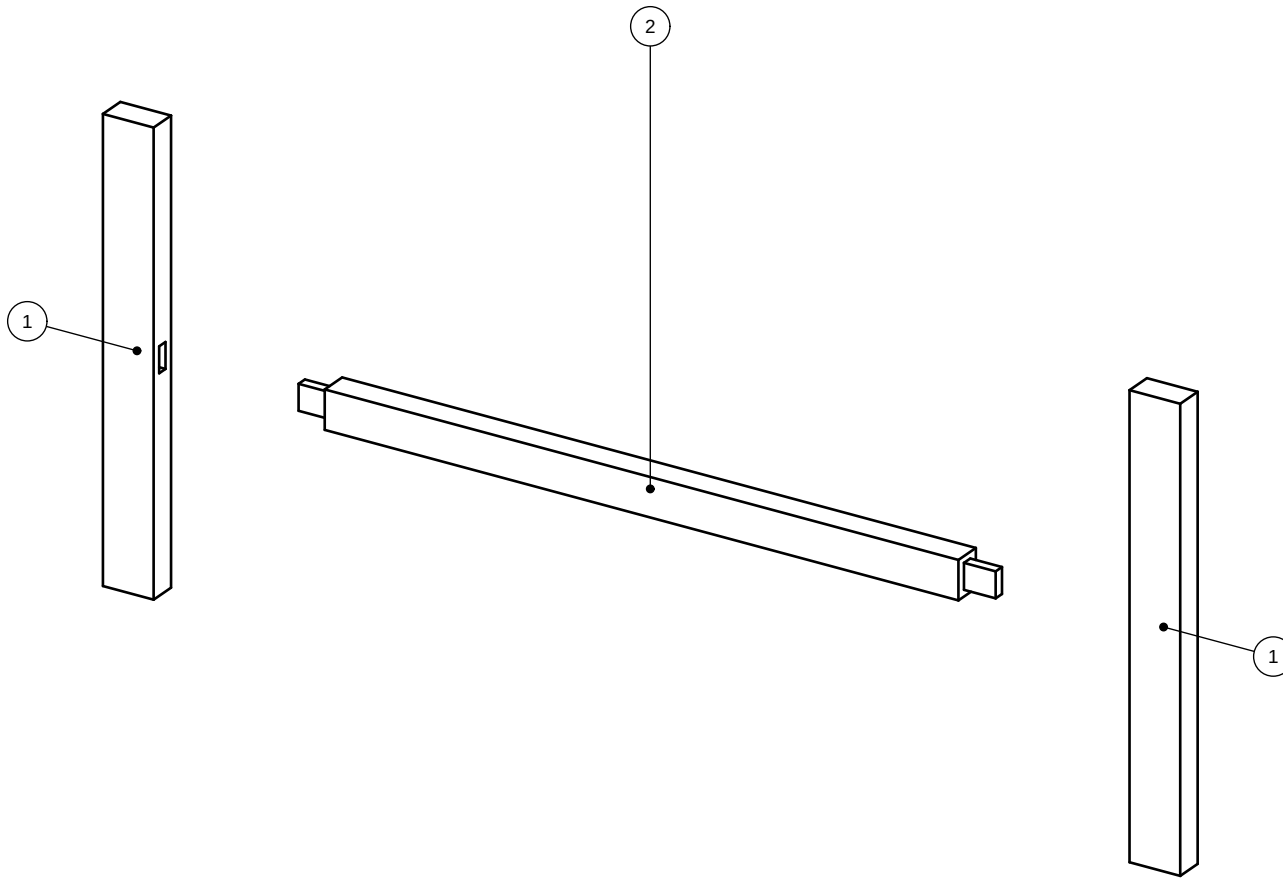
Contents

Drawings	3
Assembly	3
Parts	4
1 arm	5
2 stretcher	6
Cut list	7
Appendix: source	8



ISOMETRIC

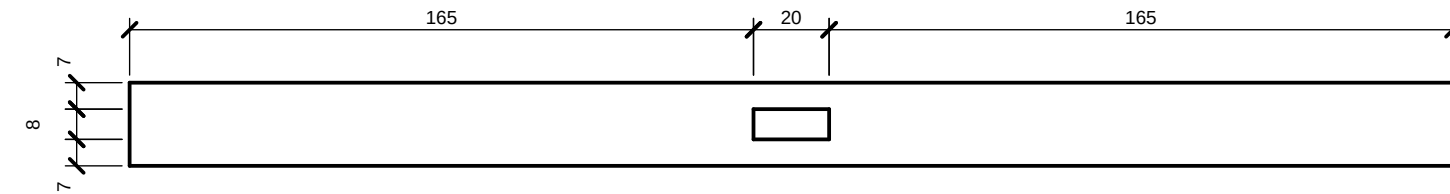
assembly	bow_saw_frame
parts	3 (2 different)
overall	580 x 22 x 350 (W x D x H)
material	oak
scale	1:4, mm



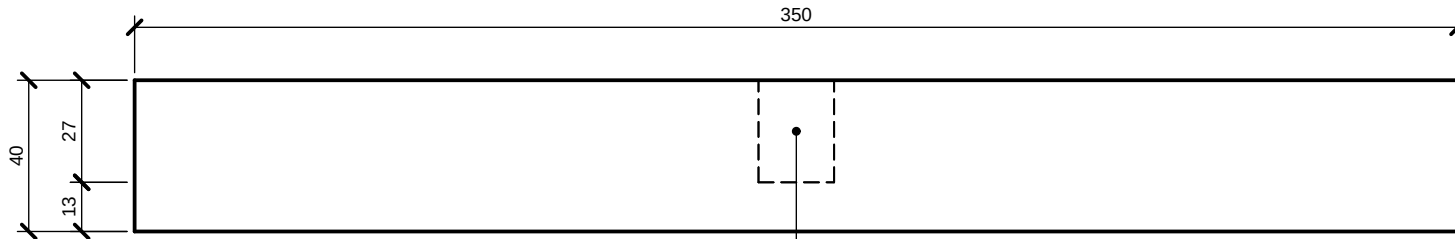
EXPLODED

no.	part	qty	cut size (L x W x T)	material
1	arm	2	350 x 40 x 22	oak
2	stretcher	1	550 x 30 x 22	oak

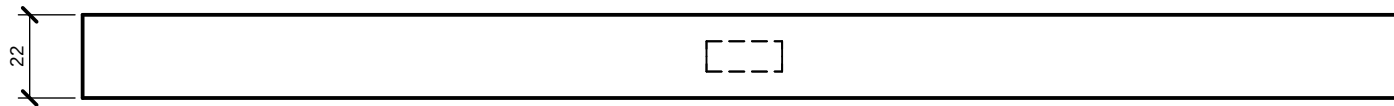
assembly	bow_saw_frame
parts	3 (2 different)
overall	580 x 22 x 350 (W x D x H)
material	oak
scale	not to scale, mm



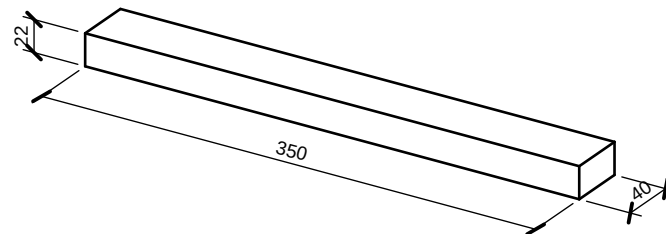
BACK EDGE



TOP FACE



FRONT EDGE

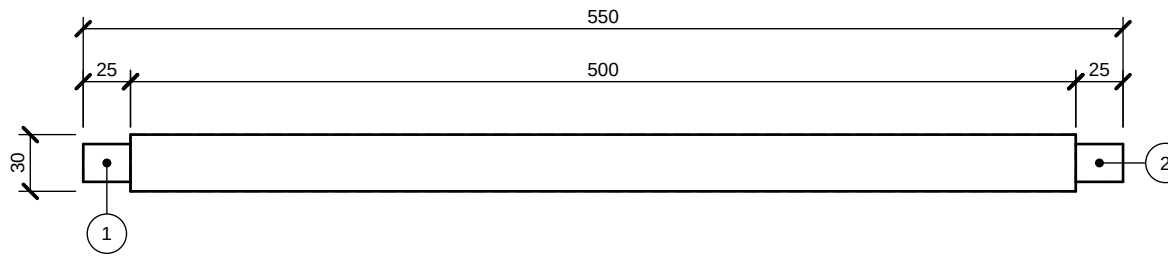


ISOMETRIC

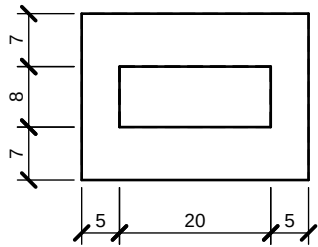
2 pieces: left_arm, right_arm

1 mortise 20 x 8 mm, 27 deep, in back_edge

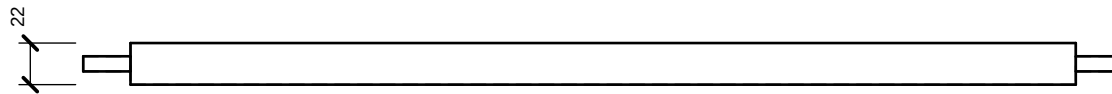
part	arm
of	bow_saw_frame
make	2
cut size	350 x 40 x 22
material	oak
scale	1:2, mm



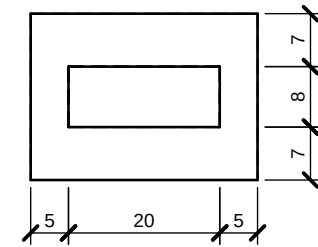
TOP FACE



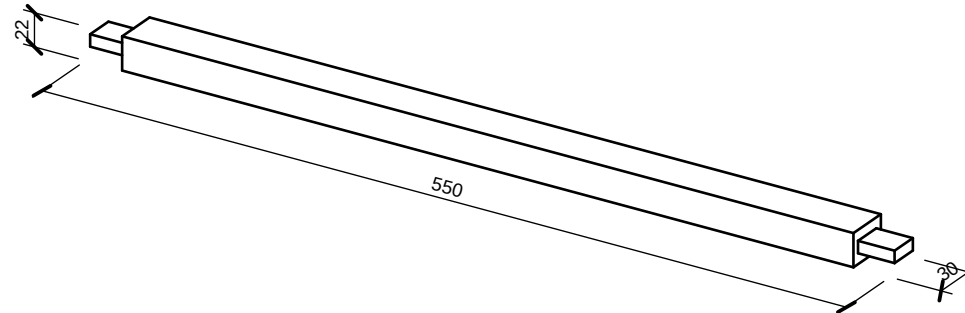
LEFT END 1:1



FRONT EDGE



RIGHT END 1:1



ISOMETRIC

- 1 tenon 20 x 8 mm, 25 long, on left_end
- 2 tenon 20 x 8 mm, 25 long, on right_end

part	stretcher
of	bow_saw_frame
make	1
cut size	550 x 30 x 22
material	oak
scale	1:4, mm

Cut list

arm 350 x 40 x 22 mm oak, 2 pieces: left_arm, right_arm
 - mortise 20 x 8 mm, 27 deep, in back_edge
stretcher 550 x 30 x 22 mm oak
 - tenon 20 x 8 mm, 25 long, on left_end
 - tenon 20 x 8 mm, 25 long, on right_end

Appendix: source

Made with woodwright 0.9.0, build123d 0.13.0, Python 3.14.4.

To make these plans again:

```
uvx --python 3.14 woodwright==0.9.0 export projects.bow_saw_frame
```

projects.bow_saw_frame, in woodwright/examples/projects.py

```
def bow_saw_frame(
    arm_length: float = 350,
    arm_width: float = 40,
    stretcher_length: float = 500,
    stretcher_width: float = 30,
    stock: Stock = BOW_SAW_STOCK,
) -> Assembly:
    """The frame of a bow saw: two arms and a stretcher between their middles,
    tenoned into their inner edges.

    The blade (at the bottom) and the string (at the top) aren't modelled.
    """
    asm = Assembly("bow_saw_frame", root_location=STANDING)
    left = asm.add(Board("left_arm", stock, length=arm_length, width=arm_width))
    right = asm.add(Board("right_arm", stock, length=arm_length, width=arm_width))
    stretcher = asm.add(Board("stretcher", stock, length=stretcher_length, width=stretcher_width))
    # The arms face each other with their back and front edges.
    for tenon, mortise in [
        (stretcher.left_end, left.back_edge),
        (stretcher.right_end, right.front_edge),
    ]:
        asm.join(MortiseTenon(tenon=tenon, mortise=mortise, tenon_length=25))
    return asm
```