

Stan's Recipe for a Mycelium Chair

Pine Needles + Crushed Chalk + Powdered Oyster Shell + Beech Sawdust + Golden Reishi



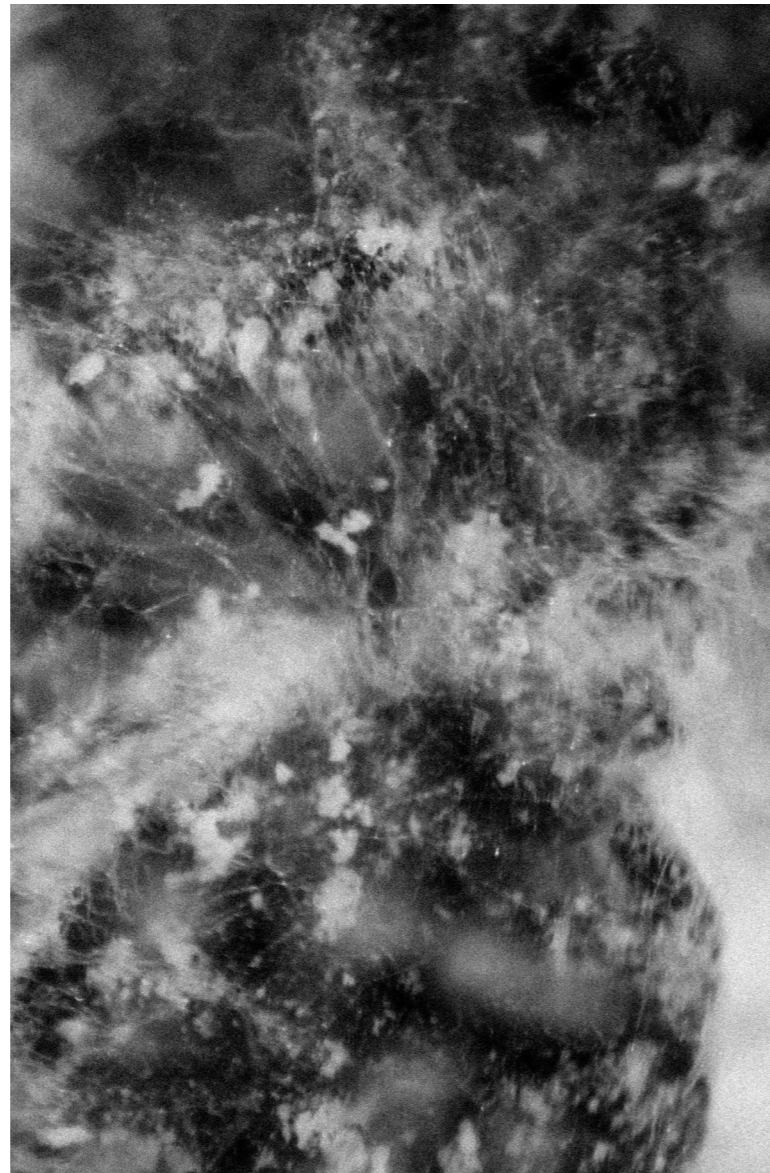
Pine needles	50%
Chalk	10%
Oyster Shell	15%
Beech Sawdust	25%
Golden Reishi	Culture (liquid)

Up to three quarters of timber used in the furniture and wood processing industries is discarded in the form of sawdust and wood chips.

If a tree was felled for timber in the past, we used all of the available material - but with mass production, the knowledge, awareness and process has been lost. Pine needles account for 30% of the tree's overall mass - a part of the tree commonly unused.

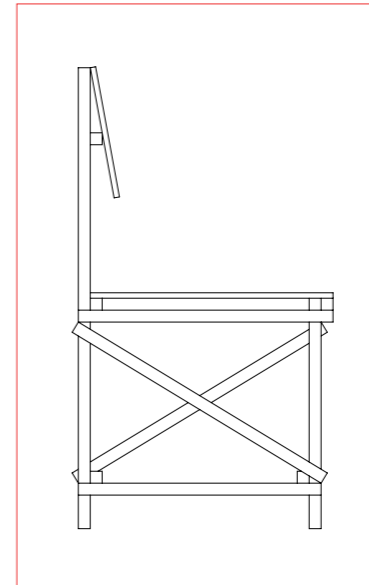
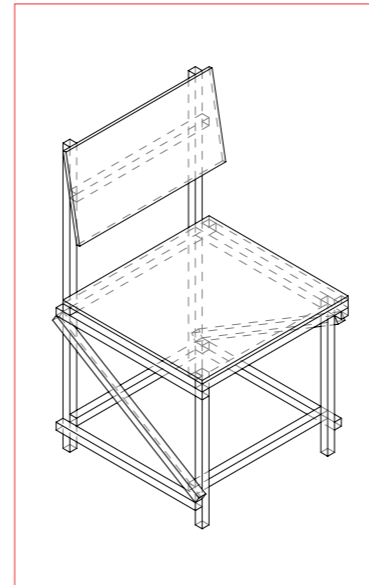
This proposal for a chair aims to question current standards of material use in the furniture design industry by repurposing waste sawdust, as well as pine needles that would otherwise go to waste.

For this recipe, I have taken chalk and oyster shell from the landscape near my home, as well as waste beech sawdust from the wood workshop, and ground needles rescued from Pine trees discarded on the street after Christmas.



Stan's Recipe for a Mycelium Chair

Kit



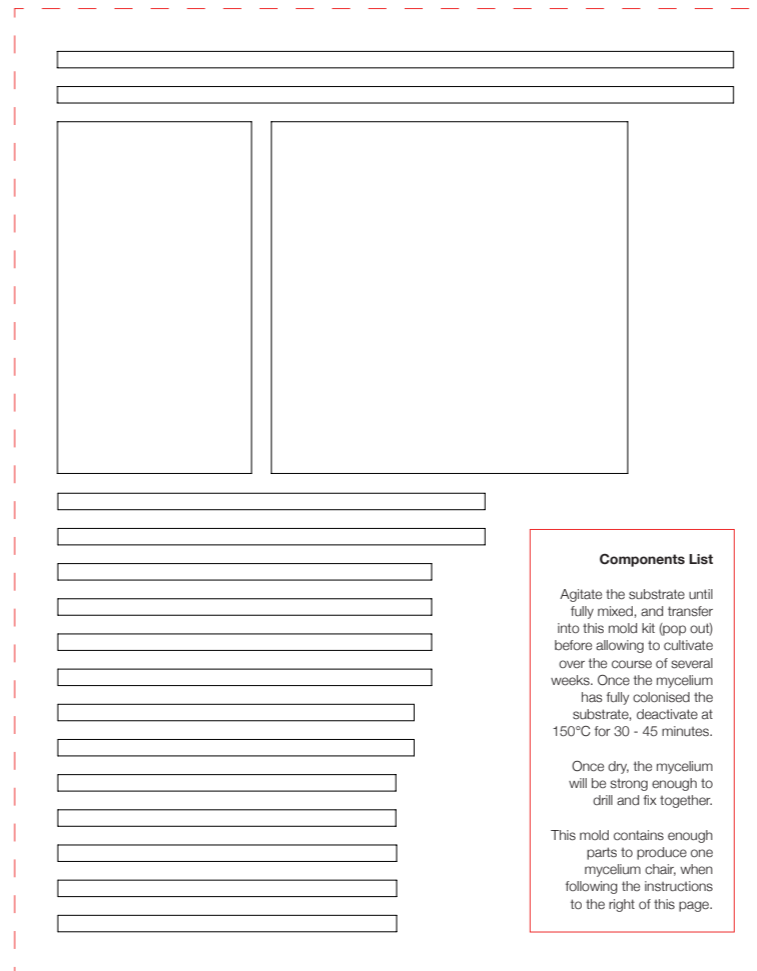
Step 1
Start with assembling the sides. Front and back legs (A & B) flat. Fix horizontals C & D in place. Top c 440 mm from bottom end a. Top d 104 mm from bottom end a. Fix together with screws. Pre-drill a hole through the wood to prevent it from splitting. Fix diagonal in position (E) as on drawing.

Step 2
Cut wood for front and back horizontals. Fix the front and back horizontals in position with screws: top F 116 mm from top of A. G and H on top. 1 on top of D, 80 mm from front of D. J behind A, above D.

Step 3
Cut wood for front and back diagonals. Make sure the frame is standing straight on a flat surface. Fix front and back diagonals to frame.

Step 4
Cut wood for seat and backrest and screw seat and back to frame.

Step 5
To get the right seat angle, cut 17 mm from bottom of back legs (a).



Components List

Agitate the substrate until fully mixed, and transfer into this mold kit (pop out) before allowing to cultivate over the course of several weeks. Once the mycelium has fully colonised the substrate, deactivate at 150°C for 30 - 45 minutes.

Once dry, the mycelium will be strong enough to drill and fix together.

This mold contains enough parts to produce one mycelium chair, when following the instructions to the right of this page.

A
BACK LEGS - 2
847 X 22 X 22

B
FRONT LEGS - 2
460 X 22 X 22

C
TOP HORIZONTAL SIDE - 2
470 X 22 X 22

D
LOWER HORIZONTAL SIDE - 2
455 X 22 X 22

E
SIDE DIAGONAL - 2
540 X 22 X 22

F
BACK DIAGONAL - 2
440 X 22 X 22

G
BACK HORIZONTAL - 1
380 X 22 X 22

H
FRONT HORIZONTAL -1
380 X 22 X 22

J
SEAT
450 X 380 X 12

K
BACK
250 X 380 X 12