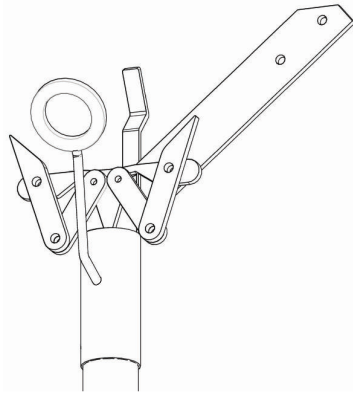


9

POLE



1. SMOTHER
2. SCRAPER
4. SMALL SCRAPER
5. PINE TAPPING KNIFE
5. PINE TAPPING KNIFE FOR POLE
6. MALETT
7. HALF-MOON
8. TRACER
9. **POLE**



Description

A tool used in the bark spike phase that consists of a handle or shaft to which a pine tapping knife is attached (see card number 5) and a dosing canister of resin stimulant.

Utilisation

Once both the pine tapping knife and the spray are placed in the mechanism, firstly the tapping knife is slightly nailed on the right side of the notch and a small pull is made towards the left, so that a piece of bark of approximately 3 cm in height is removed. Afterwards, and making a small turn of the handle on its axis to leave the dosing can placed in front of the cut practiced, the mechanism is activated by means of the handle, which causes the chemical stimulant to be projected towards the wood by the pressure of two pieces acting on the can.

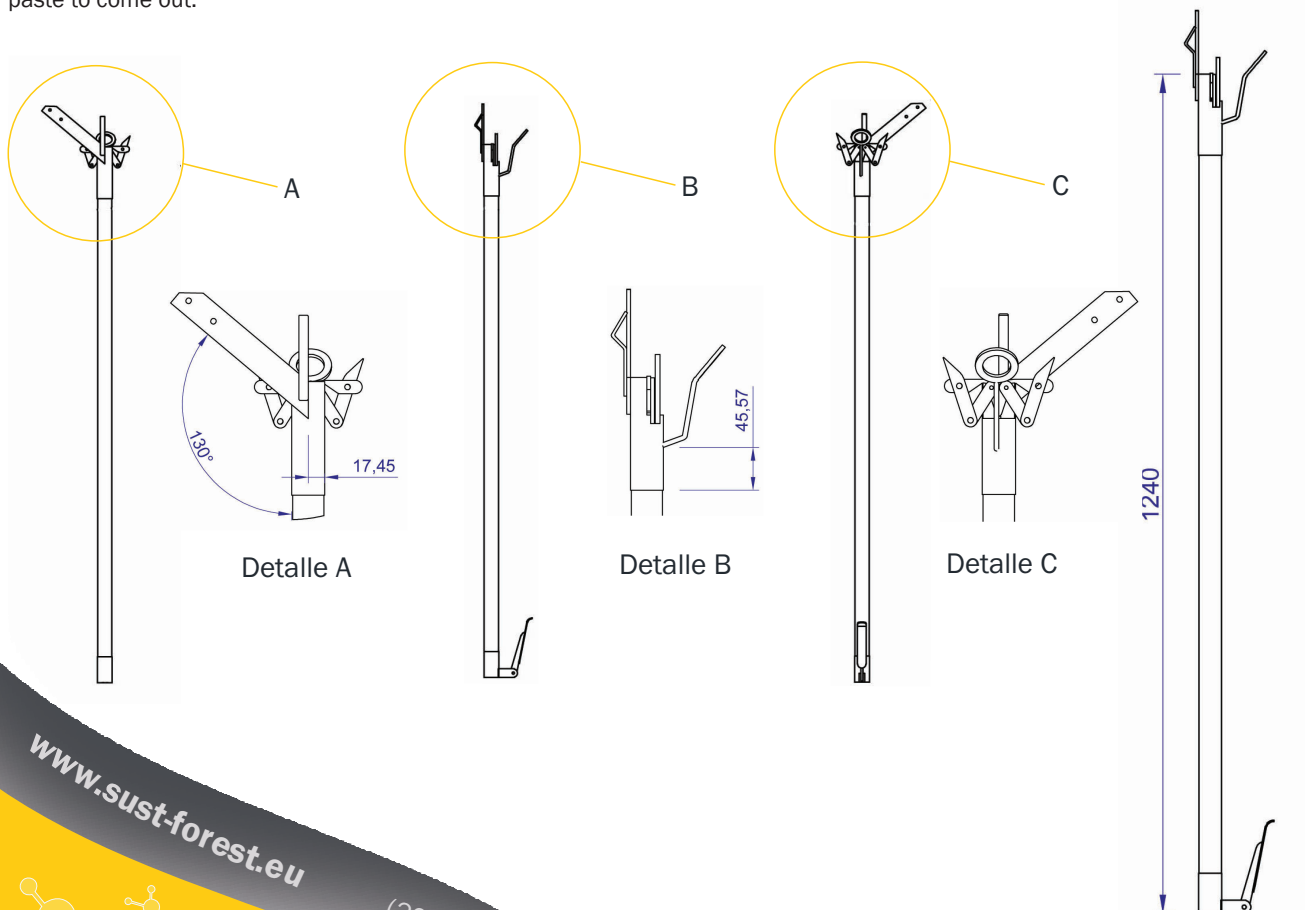
Observations

This tool can be manufactured with various lengths of the handle or shaft, maintaining the same articulated mechanism. It is a very versatile, lightweight, comfortable and easy to use tool, as it improves the working performance of resin makers by performing two functions with the same instrument.

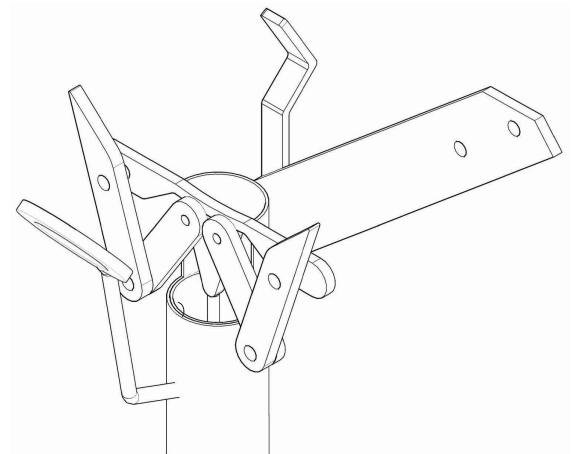
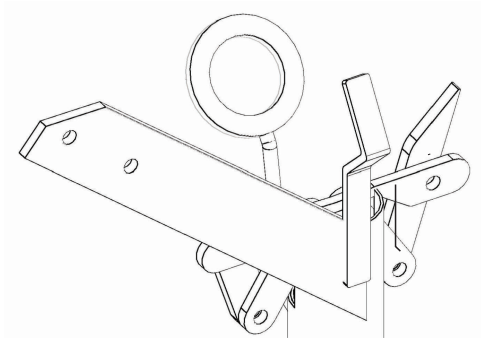
V

Materials

It consists of an aluminium handle attached to a simple articulated mechanism made up of several iron pieces and operated by a handle or trigger arranged in its lower part. This opening and closing mechanism is connected to the handle by means of an iron rod that runs inside the handle. In the upper part of the mechanism there is a drilled iron plate, where the escutcheon is fixed by means of screws, as well as a ring and a stop, also made of iron, and between which the stimulant dosage bottle is inserted; this will be compressed when the handle is operated, which will cause the stimulant paste to come out.



9 POLE



Manufacturing instructions

1. Cutting

The starting point is several iron pieces that have been cut according to the detail drawings, as well as a hollow aluminium tube of 35 mm diameter and variable length, which is used as the handle of the tool where the mechanism will be fitted.

2. Drilling

Each piece is drilled according to the detail drawings.

3. Roughing

A coarse disc grinding machine is used to quickly polish the workpieces.

4. Welding

The fixed parts are welded: plate, ring, stop, handle, etc.

5. Treatment

This treatment is carried out on the joints using a fine disc polisher.

6. Assembling

It is finished with the union of the pieces by means of screws according to the movements that the tool will have to develop. Both the upper part of the mechanism and the lower part are joined to two cylindrical pieces fixed on both sides of the handle by means of rivets. Both parts remain connected to each other by an iron rod.

MAINTENANCE: The only maintenance of this tool is the lubrication of the mechanism.

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