## SAZ / BAGLAMA LUTE CONSTRUCTION

<table>
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<th>Version</th>
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<td>V0.0</td>
<td>March, 2011</td>
<td>yes</td>
<td>Creation</td>
<td>P. d'Herouville</td>
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<tr>
<td>V1.0</td>
<td>July 2013</td>
<td>yes</td>
<td>Additional pixes</td>
<td>P. d'Herouville</td>
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Box made of bended ribs (olive tree). The body is reinforced with a separate inner neck wood. The technics is reminiscent of the traditional turkish technology for Ud lute soundbox. Bottom area will be adjusted during the outlet adjustment by maker. Lute dealer Ilyas TEKIN, Galata, Istambul.

YURTLU bends ribs by clamping them on such pattern / heater.
Lutemaker Mehmet YURTLU, Unlu Is Merkez, Unkapani, Istambul.
Rib joints are sealed together with wood gel. The porosity is smoothed then by hand polishing.
Box made of bended ribs. Left: the interior strenthener is visible. Lute Maker Kemal EROGLU, Ankara (photo SEHAYAT mag.)

Glued rib boxes (photo BORAN MUZIK web blog)
Polishing the rib made box. Lute Maker Kemal EROGLU, Ankara (photo SEHAYAT mag.)
Carving a box out of plain wood. (photo BORAN MUZIK web blog)

Carving a box out of plain wood. This technology is very traditional. Lutemaker Inan KARAKİS, Tunel, Beyoğlu, İstanbul
Carving a box out of plain wood. This technology is very traditional. Here the body and the neck are one and same part, same as the Kurdish technics of Tanbur lute making (Gahvoreh, Kermnshah, Sanandaj). Lutemaker Mehmet YURTULU, Unlu Is Merkezi, Unkapani, Istanbul.
Boxes are reinforced with various permanent bridges fore / after neck assembly. Lutemaker Inan KARAKIS, Tunel, Beyoglu, Istambul

Strengthening a wood box of a Saz /Baglama. Lutemaker Inan KARAKIS, Tunel, Beyoglu, Istambul
Cutting the neck out of pine wood. Lutemaker Mehmet Ali CETINKAYA, Ankara (photo web x)
COUPLING NECK AND BOX HEAD
Plain wood box assembly of the neck a Saz /Baglama. Here the soundbox body has been drilled the proper window for the microphone equalizer panel. Lutemaker Inan KARAKIS, Tunel, Beyoglu, Istanbul

Rib-made box assembly of the neck a Saz /Baglama. Unlike plain wooden box, the dovetail is cut out of a glued cone, and strengthened. Workshop Orient Musikhaus, Berlin
ASSEMBLING THE NECK (PLAIN WOOD)

Boxes are reinforced with various temporary bridges fore / after neck assembly. Lutemaker Inan KARAKIS, Tunel, Beyoglu, Istanbul

ASSEMBLING THE NECK (PLAIN WOOD)

Adjusting plain wood box on the neck. Lutemaker TURKAY (press)
Plain wood box assembly of the neck of massive Saz /Baglama lutes. Raw rose wood layer is clamped and is glued on the whole neck (left). Lutemaker İnan KARAKİS, Tunel, Beyoğlu, İstanbul
Dovetail assembly of the neck a Saz /Baglama, Lutemaker Inan KARAKIS, Tunel, Beyoglu, Istambul

Dovetail assembly of the neck a Saz Cura /Baglama, Lutemaker Mehmet YURTLU, Unlu Is Merkezi, Unkapani, Istambul.
Soundboxes are carved out of thin wooden boards (ex: pine tree).
Lutemaker İnan KARAKİS, Tunel, Beyoğlu, İstanbul

Adjusting the soundboard on soundbox. Lute Maker Kemal EROĞLU, Ankara (SEHAYAT mag.)
Soundboxes are carved out of thin wooden boards (ex: pine tree).

Soundboard is clamped and glued onto the soundbox.
Adjusting the soundboard on soundbox. Left bottom: the rose is delicately carved out of wood as well. Lute Maker Kemal EROGLU, Ankara (photo SEHAYAT mag.)

Adjusting the neck onto soundbox.
Finishing and decorating the neck and soundboard. Before varnishing. (BORAN MUZIK web blog.)

Electric Saz soundboard is cleared for microphone. Side clearances are proper for analog microphone tuner. Low outlet is for the microphone itself. Lutemaker Inan KARAKIS, Tunel, Beyoglu, Istanbul
Soundbox finishing a Saz /Cura, typical pattern from Istanbul.

Soundbox finishing a Saz /Baglama, Left: lutenist Parviz, Sanandaj. Right: typical pattern from Istanbul.
Maker covers neck with a white wood. Various ribs are "clamping" here the dovetail for the future peh head. Lutemaker Inan KARAKIS, Tunel, Beyoglu, Istanbul

Drilling peg holes in the neck. Lutemaker Inan KARAKIS, Tunel, Beyoglu, Istanbul
Drilling peg holes in the neck. Lutemaker Inan KARAKIS, Tunel, Beyoglu, Istambul

Peg head under finishing. Most of them are glued on the original main neck. Lutemaker Inan KARAKIS, Tunel, Beyoglu, Istambul
Maker covers neck with a white wood. Various ribs are "clamping" here the dovetail for the future peh head. Lutemaker İnan KARAKİS, Tunel, Beyoğlu, İstanbul.

Tiny string bridges. Lutemaker Mehmet YURTLU, Unlu Is Merkezi, Unkapanı, İstanbul.

Karakis, Inan, interview. lutemaker, Tunel, Beyoglu, Istambul, Turkey, 2011

Nisadir, Dursun Ali, interview. lutemaker, Deniz Müzik, Unlu Is Merkezi, Atatürk Bulvari, Unkapani, Istambul, Turkey, 2009

Yurtlu, Mehmet, interview. lutemaker, Unlu Is Merkezi, Atatürk Bulvari, Unkapani, Istambul, Turkey, 2009