



Translating Solids and Voids: The Crate Model

Instructor: John Comazzi + Benjamin Sevilla
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Translated from a couple of knots, then to wire, then to chipboard and finally to a combination of horizontal and vertical planes, this project's intent was to focus on the developmental stages and thought processes that are involved in producing a successful design. This task required that the designer translate back and forth from a variety of mediums. The design began with the translation from a knot to a wireframe model. The initiative was to reinterpret the way the knots **go through and wrap around** when being tied. Ideally, if the wire frame were pulled from both ends, they would reconstruct the knot. The wire frame was then translated into **edges** of either **voids** or **solids**. In a series of study models, one was chosen to serve as the basis for the final model also known as "The Crate". The crate model was designed by taking the concept of two plains (horizontal and vertical) and **creating several slices into the mass**. From there, forms arose that acted much like a three dimensional puzzle in which all pieces fit together. Lastly, skins were applied to reinforce the structure and to further emphasize the voids from the solids.

