## **ARCS Workshop Presentation**

## Packing and Crating Dynamics-Current and Future Trends

November 6-7, 2014

Carnegie Museum of Art Pittsburgh, PA.

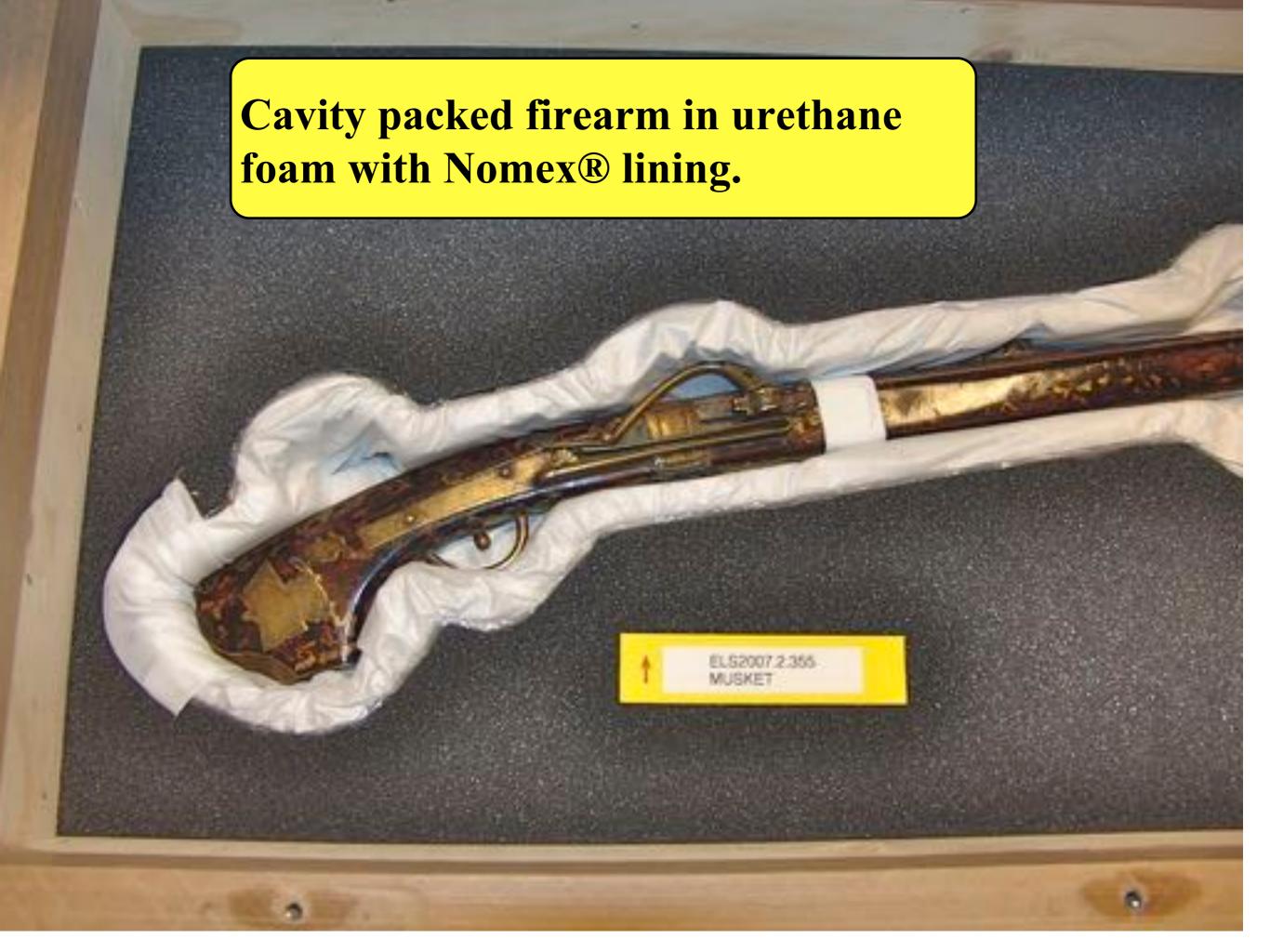
Rick Yamada

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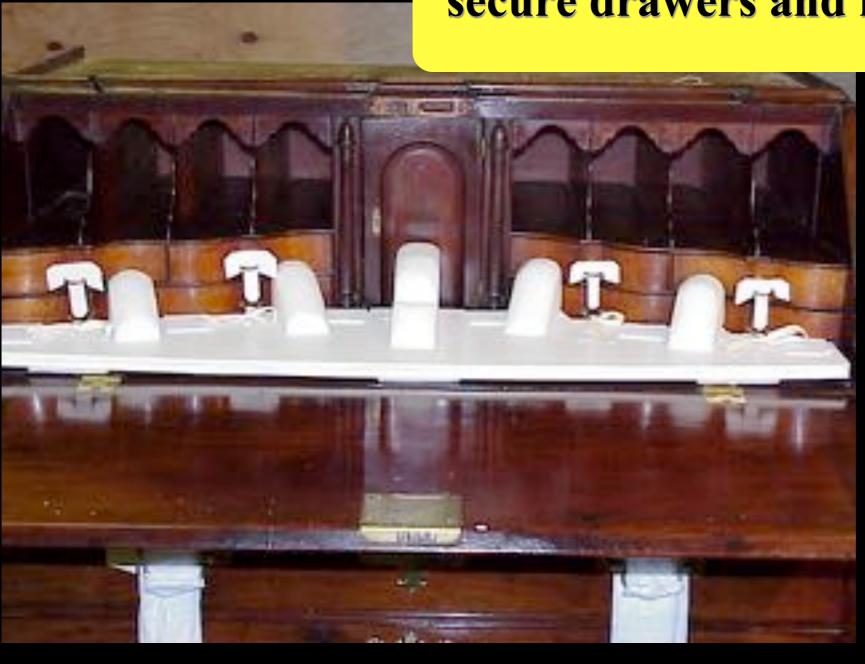


Brace packed furniture on sliding wood tray. Braces are fitted with bolt plates



Detail of furniture supported by blocking on tray.







Adhesive tape used to hold drawers closed.





Photos on travel frame lid with packing instructions in the language of the three exhibit's venues.





Side panels of platform remove to reveal pallet. Panels are secured with double ball cabinet latches.





Girder and pallet base with side panels removed.
Crate body shell is moved into position and bolted to base. Side panels are stored above object.







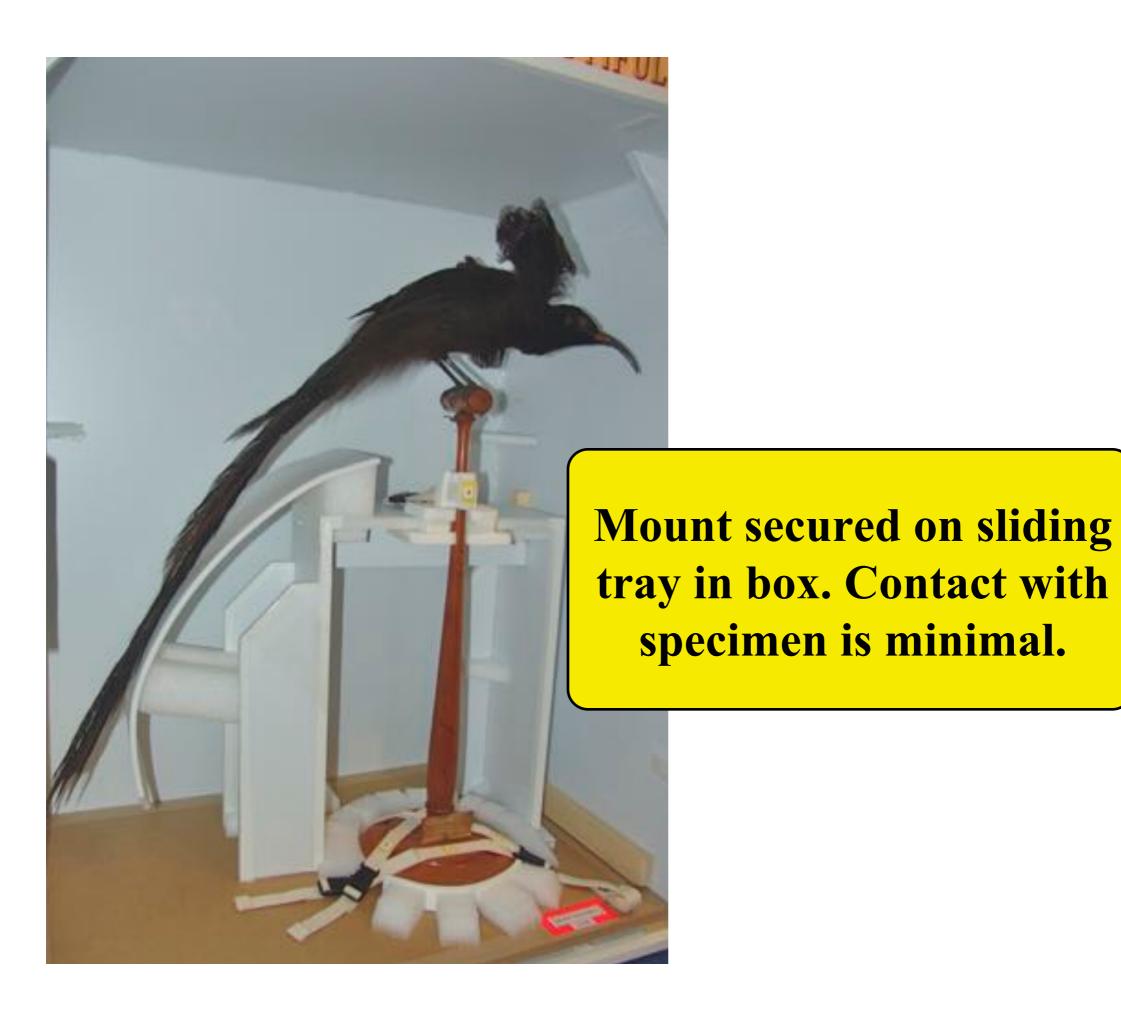
Object on pallet with 360° access for condition reporting, examination, and removal from pallet.





Packing instructions with photographs on the interior wall of the crate.

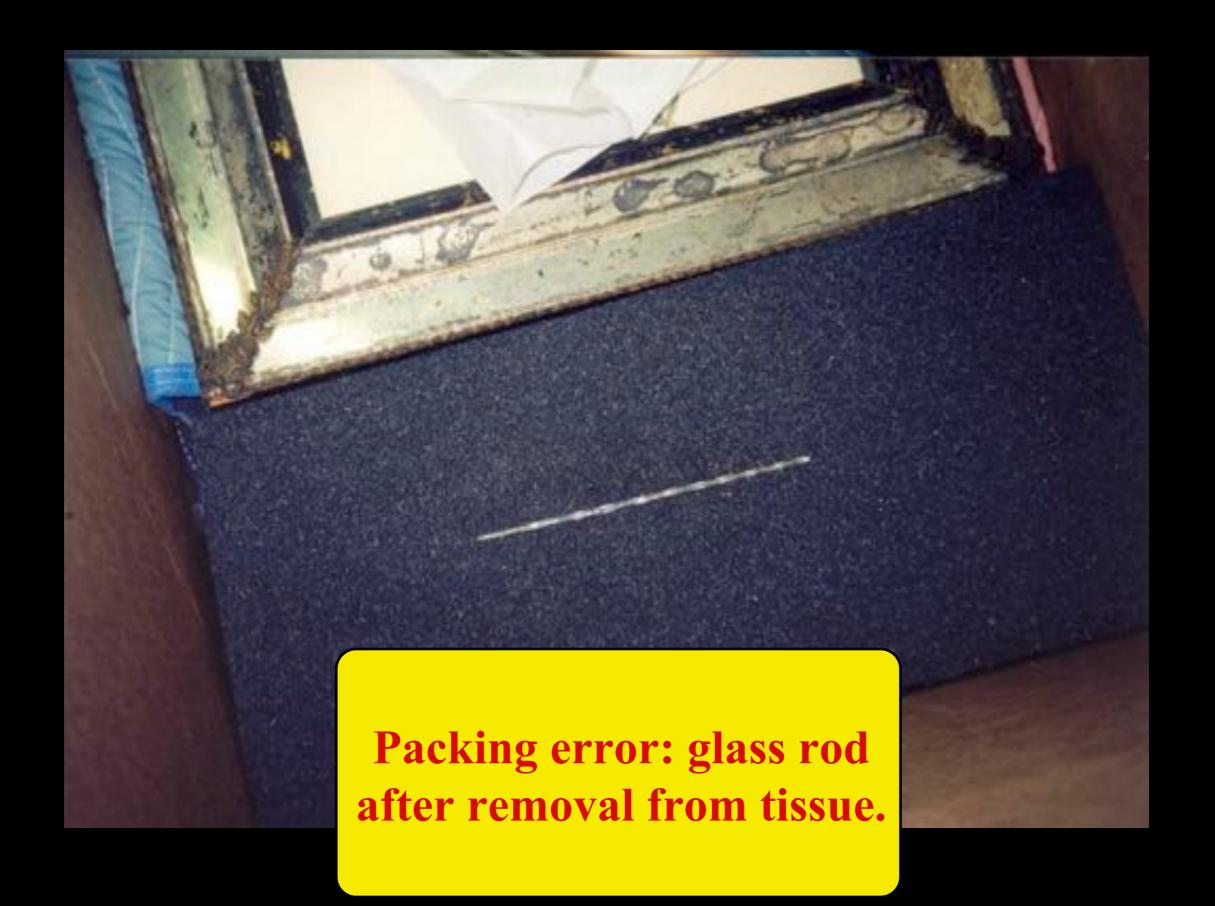






Detail of padded web strap that secures the mount onto the packing support.





Packing error: attempt to add structural support.
Electrical tape used to secure piece to block of wood.





Thin and fragile Pre-Columbian gold foil object.

Folder stock slides under object to ease handling and limit direct contact with object.

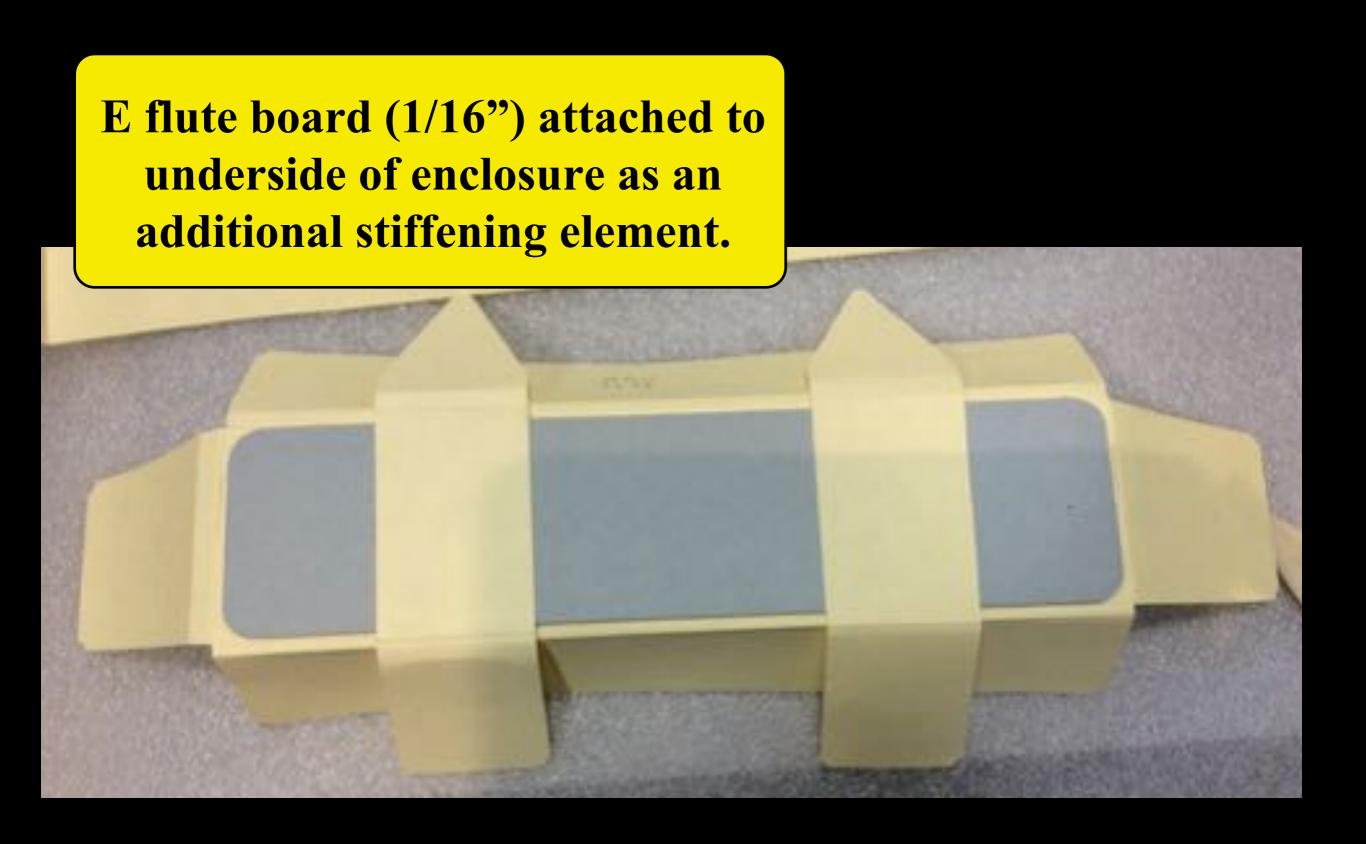


## Four flap enclosure holds both object and support.



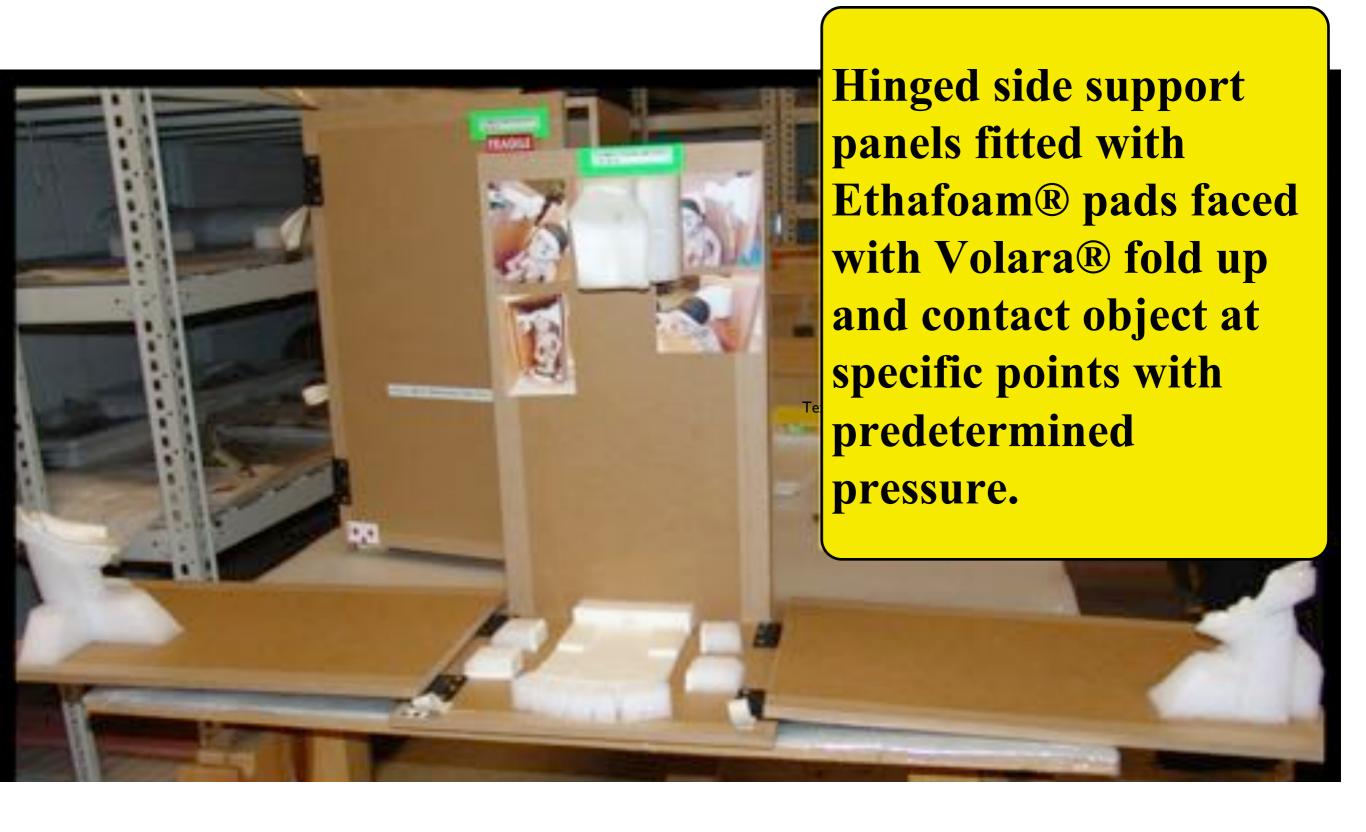
## Four flap enclosure secured with slots and tabs.



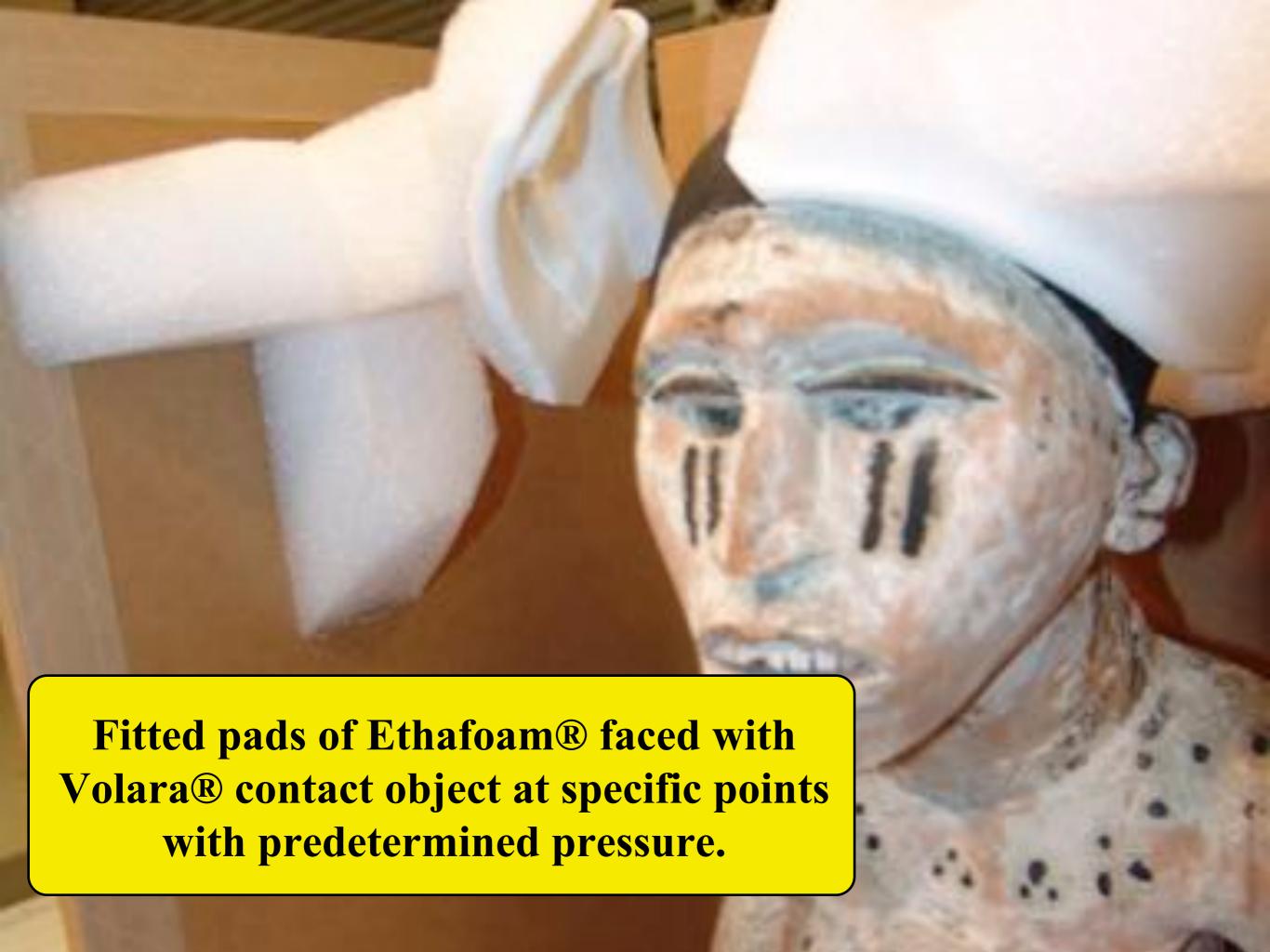


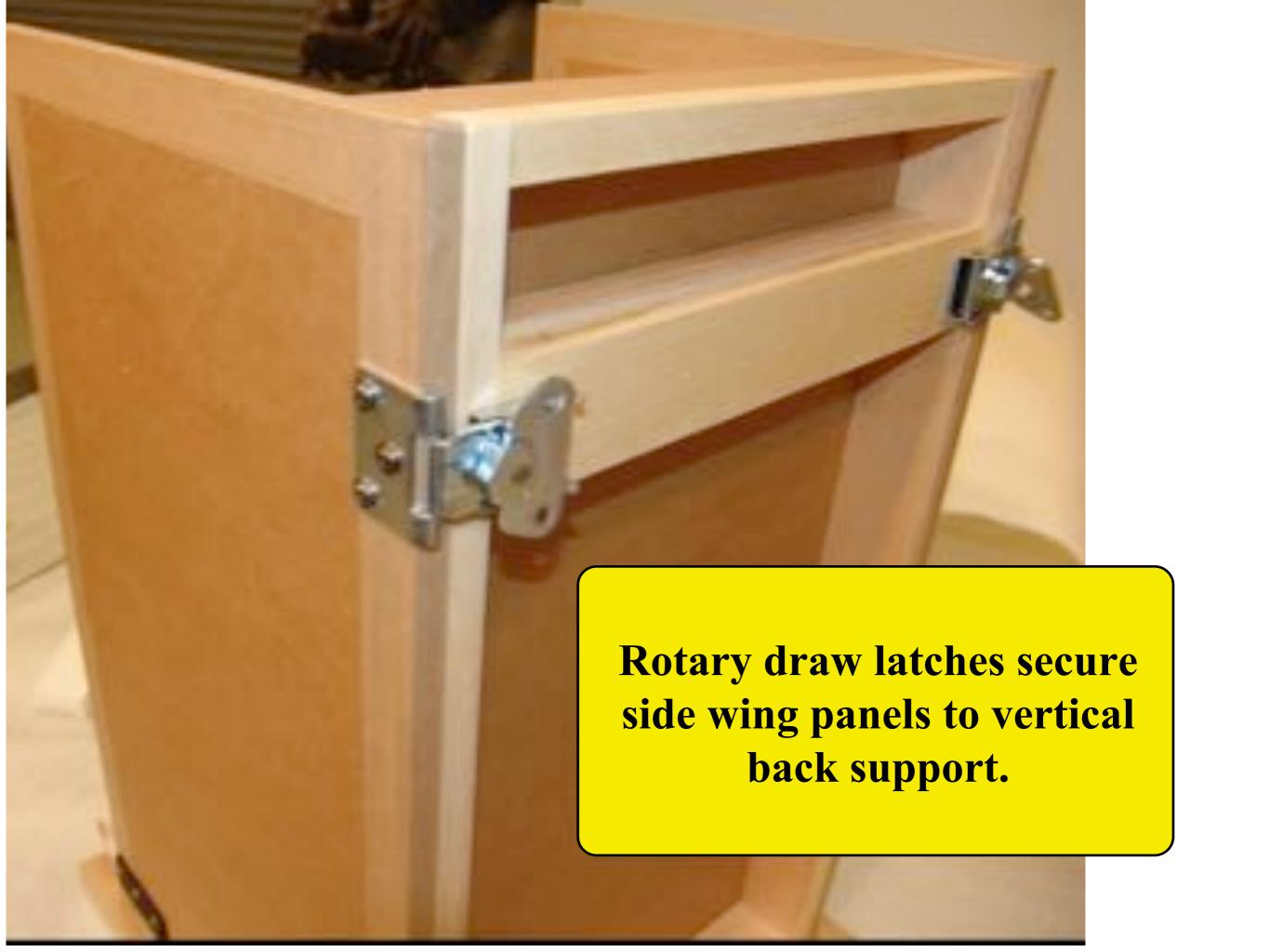


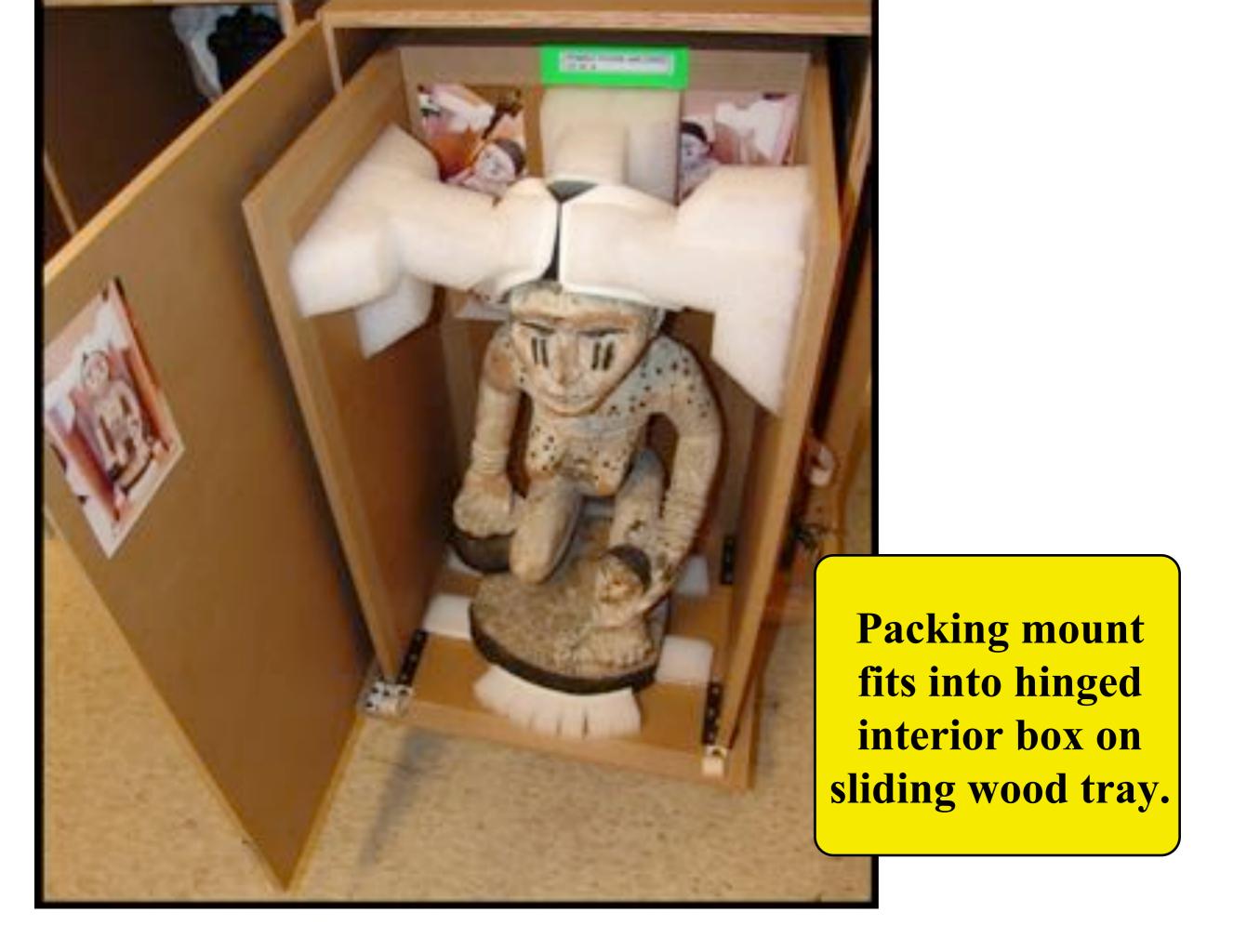
as points of contact.













Final packing configuration. Side loading travel crate fitted with interior boxes.



Gilt epergne with slightly loose attachments to base.



Fitted packing mount adds structural support to object.



Shaped Ethafoam® pads faced with Volara® conform to object.





Cotton web straps with contoured Volara® pads secure object in packing mount.



Packing mount in travel crate on sliding tray.





Basket handle held upright by Ethafoam® pressure bridges faced with Volara® and secured to tray with cotton web straps and buckles.



**Interior box showing** padded slot at top. Nomex® covering on pads allows handle to slide easily in and out of box.

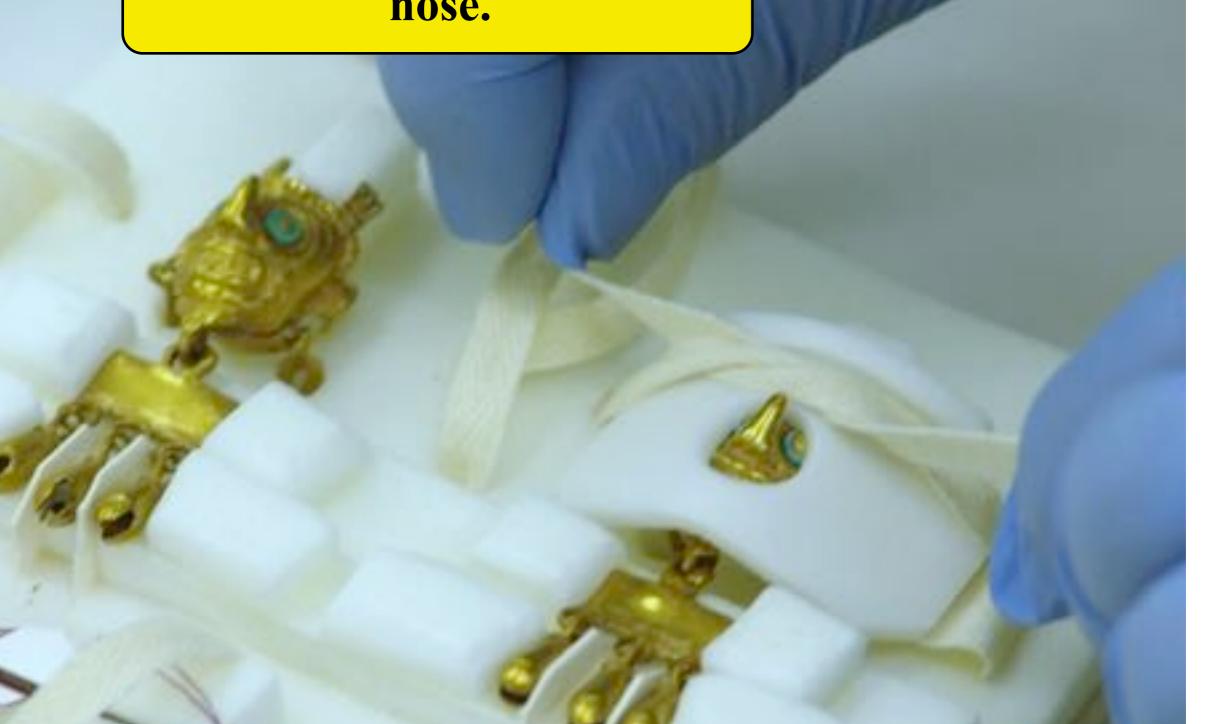
Gold Pre-Columbian ear ornaments with fragile hanging attachments.



Objects on packing tray with mat board tabs separating lower pendants. Holes in the Volara® tray base allow ear attachments to hang freely.



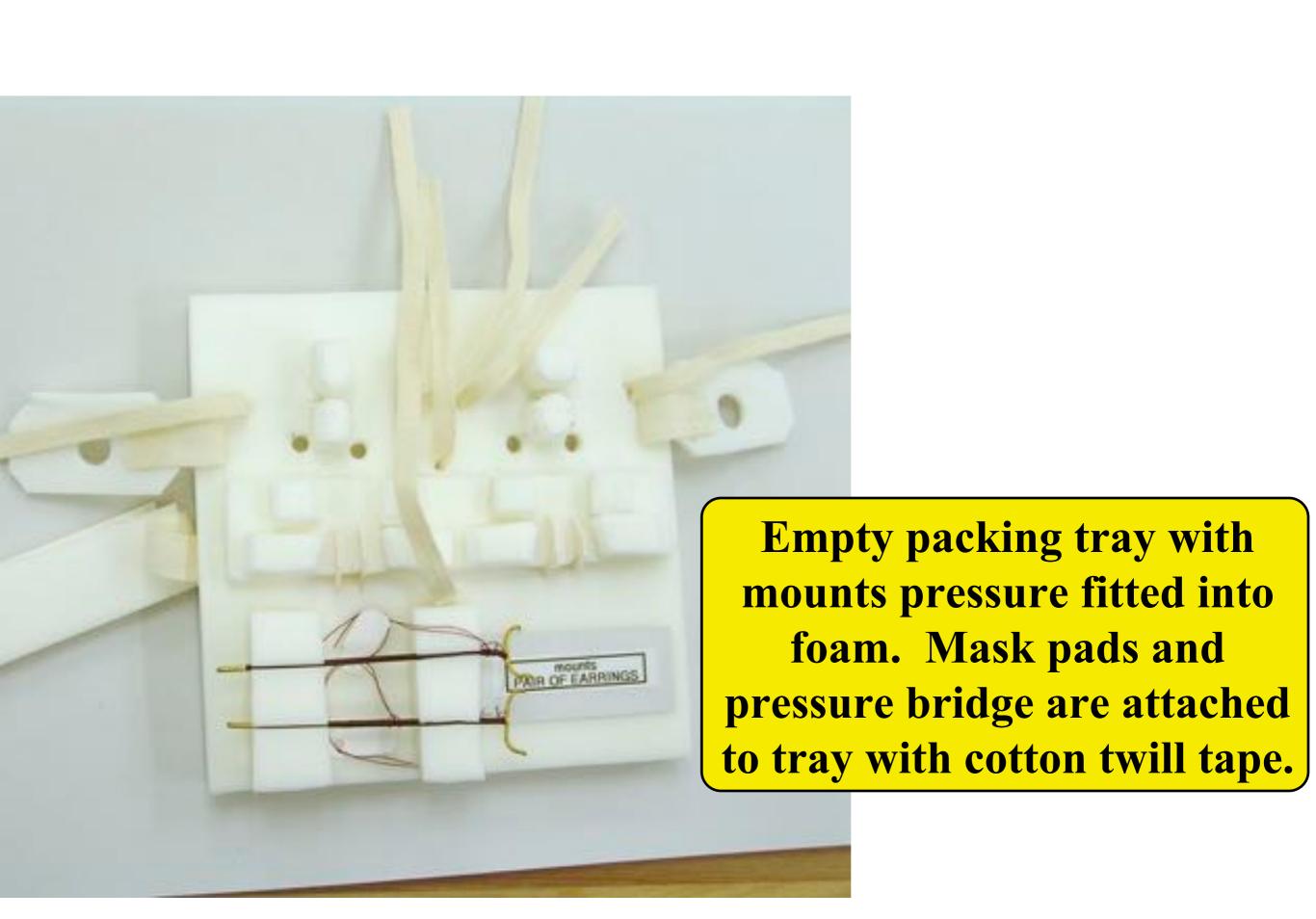
Volara® pad secures object's face mask, while hole prevents pressure on the nose.







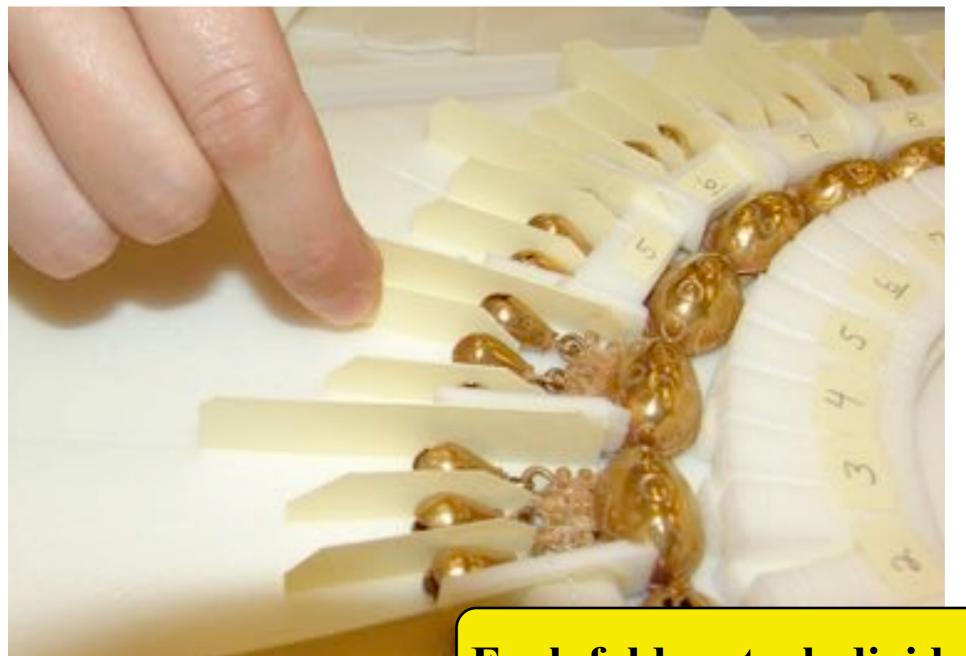
Pressure bridge of eight ply mat board faced with Volara® secures lower pendants. Tray lowers into interior box for packing into travel crate.











Each folder stock divider slides back and forth in a slit to ease in the packing of the necklace. Bottom edges of dividers are folded under the Volara® to keep them in place on the tray.



Native American shirt mounted on display form.



Padded wood brace secures exhibit mount in crate.
Volara® wrap secures costume.



Inner and outer Volara® pads prevent excessive movement of lower sections of shirt.



Inner Volara® pad fitted to support outer pad. Pad is fastened around waist of display with a cotton web strap and buckle.











Arm support in the lowered position.

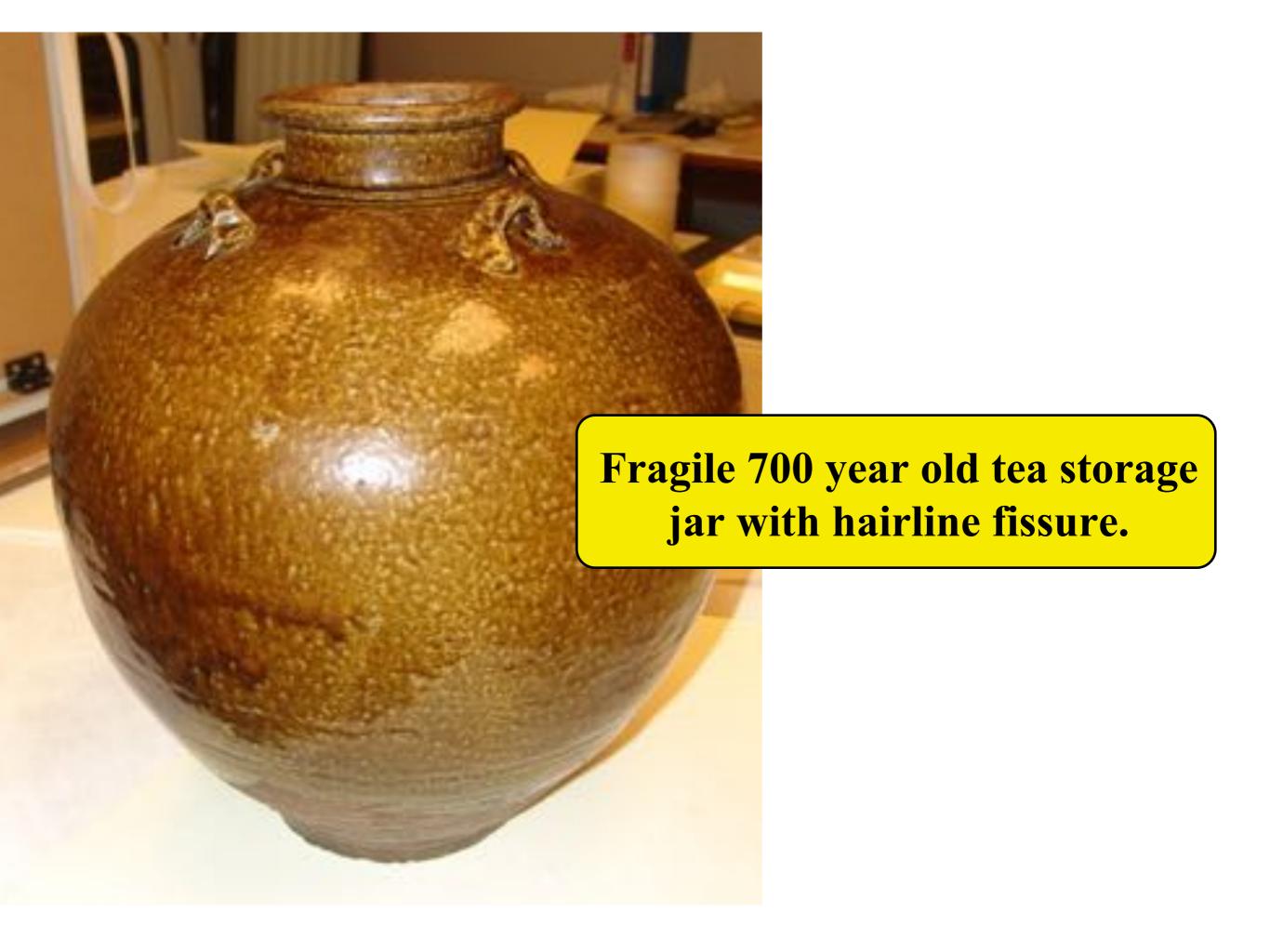


Gold chalice set with cut diamonds.

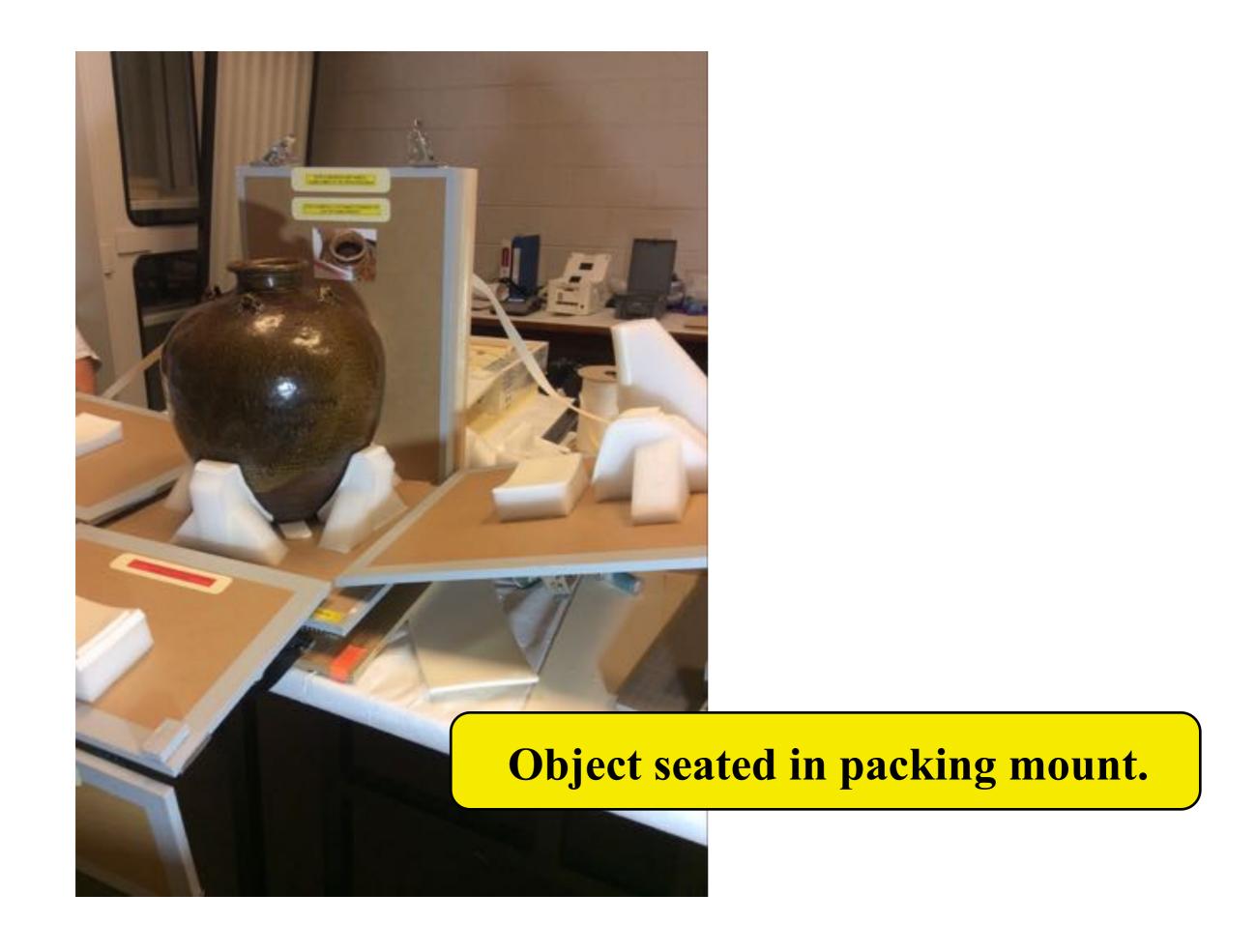












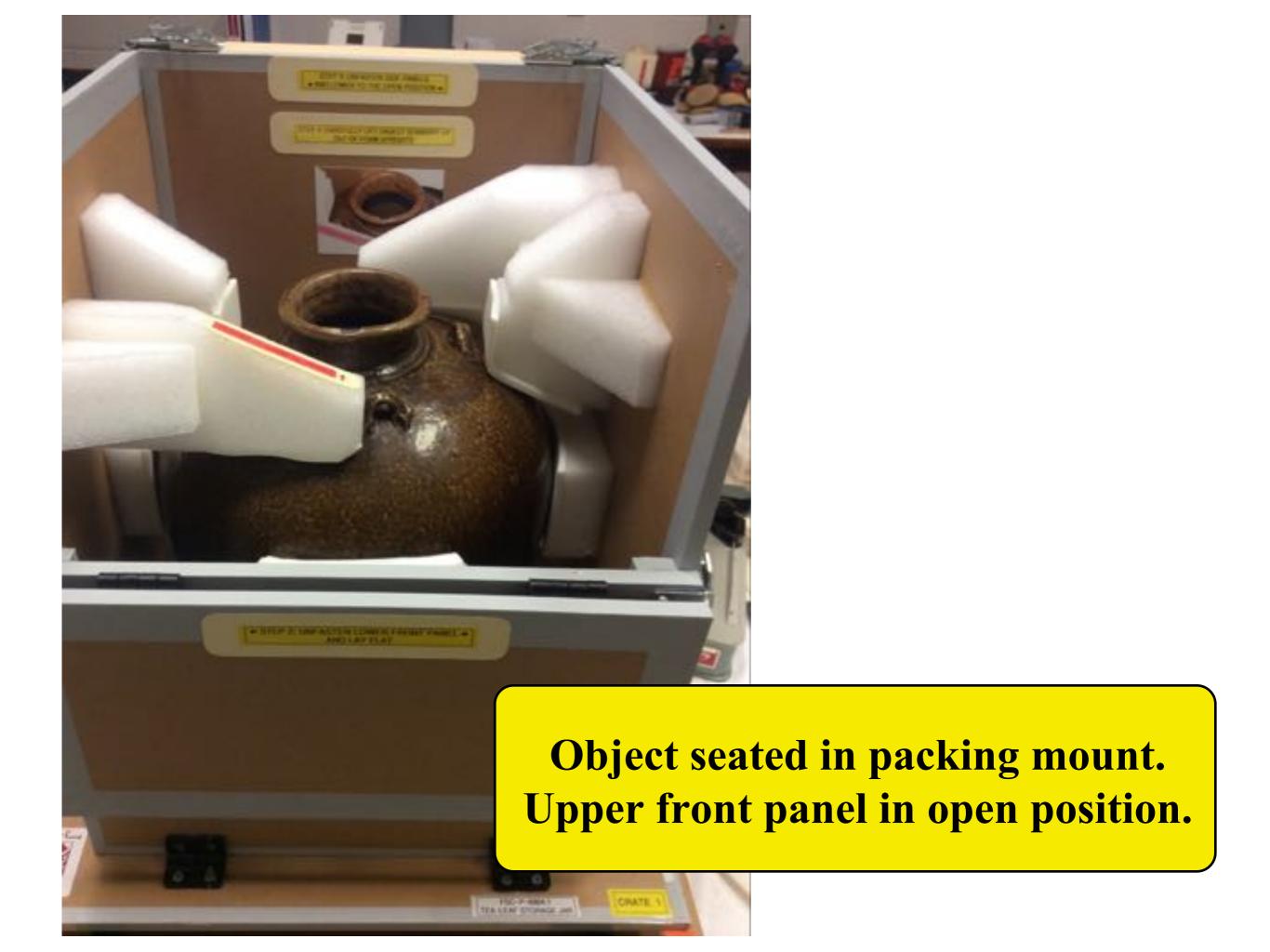
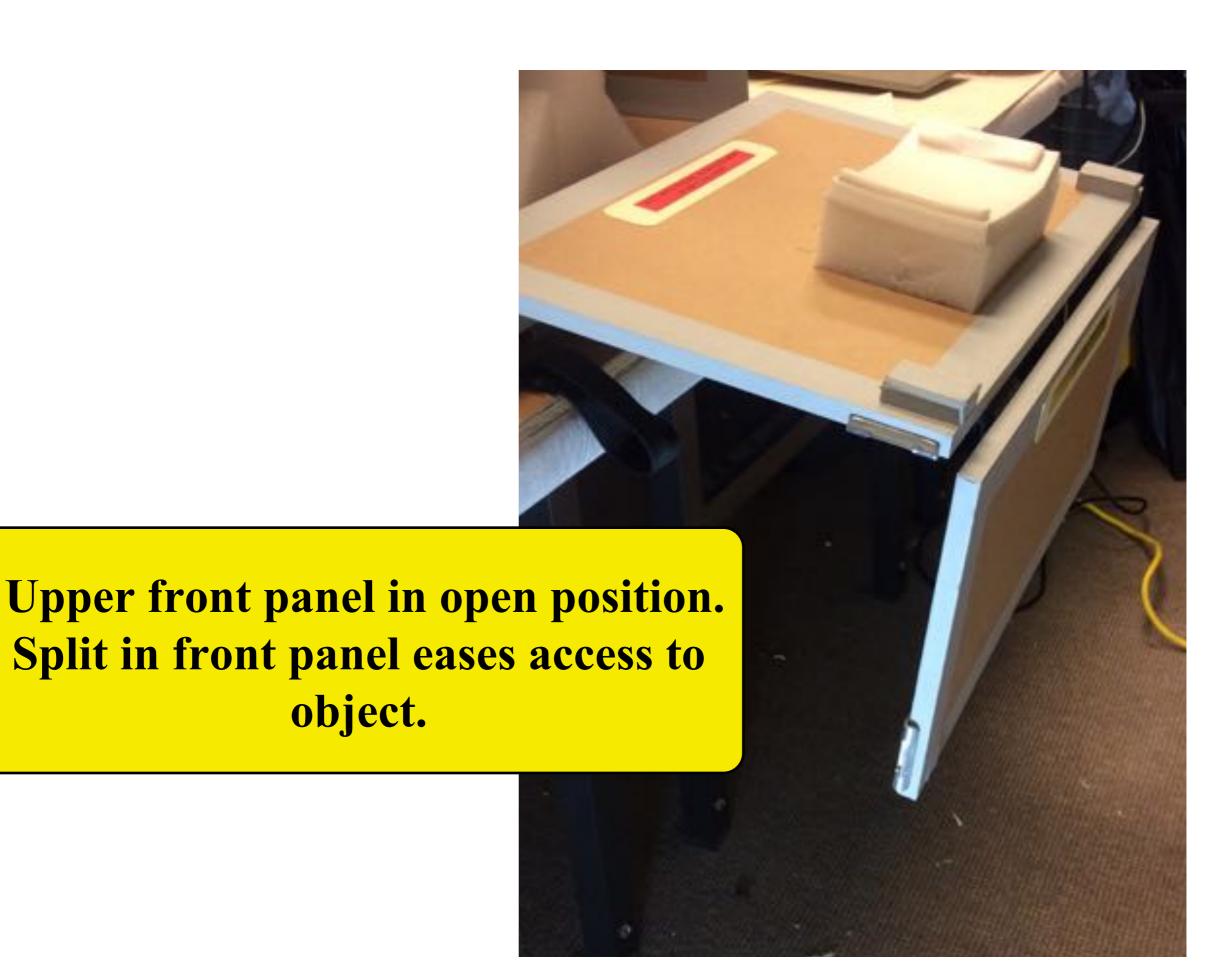
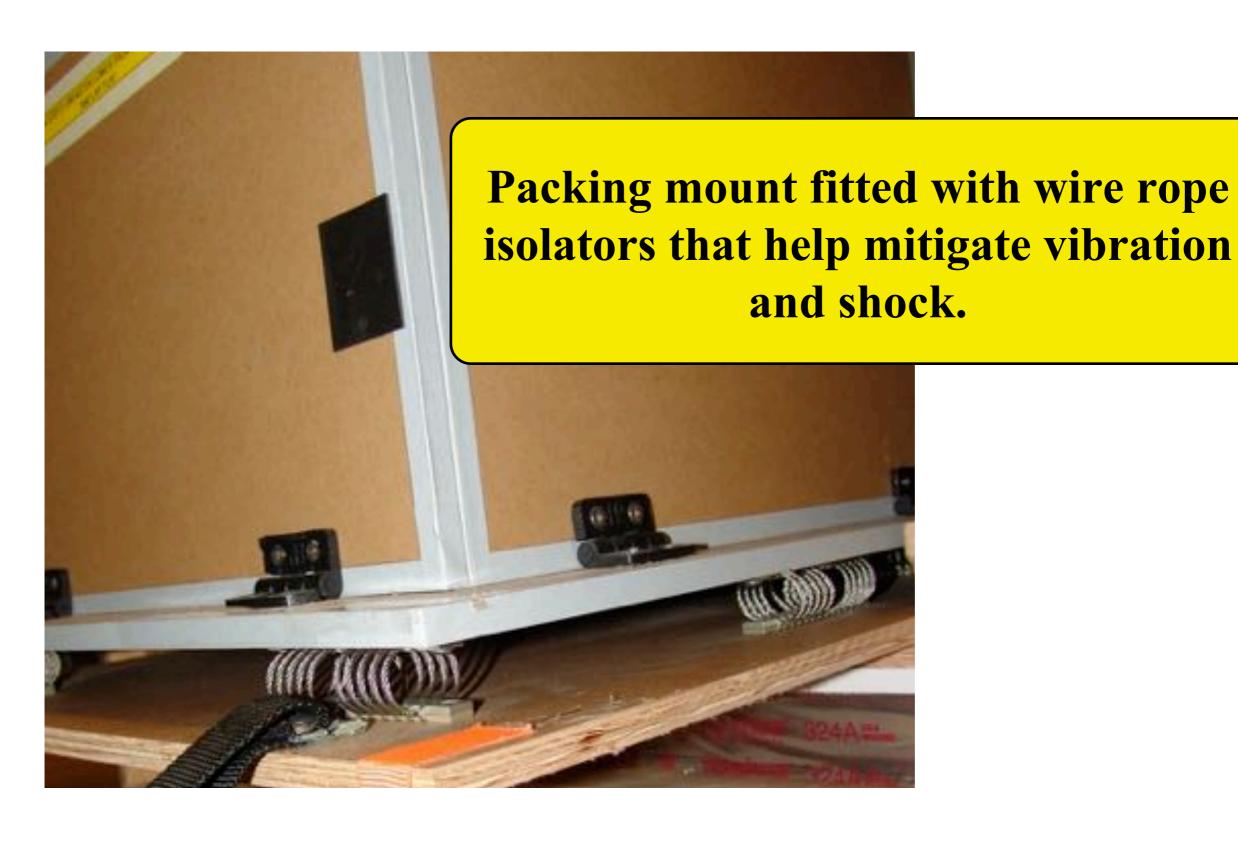




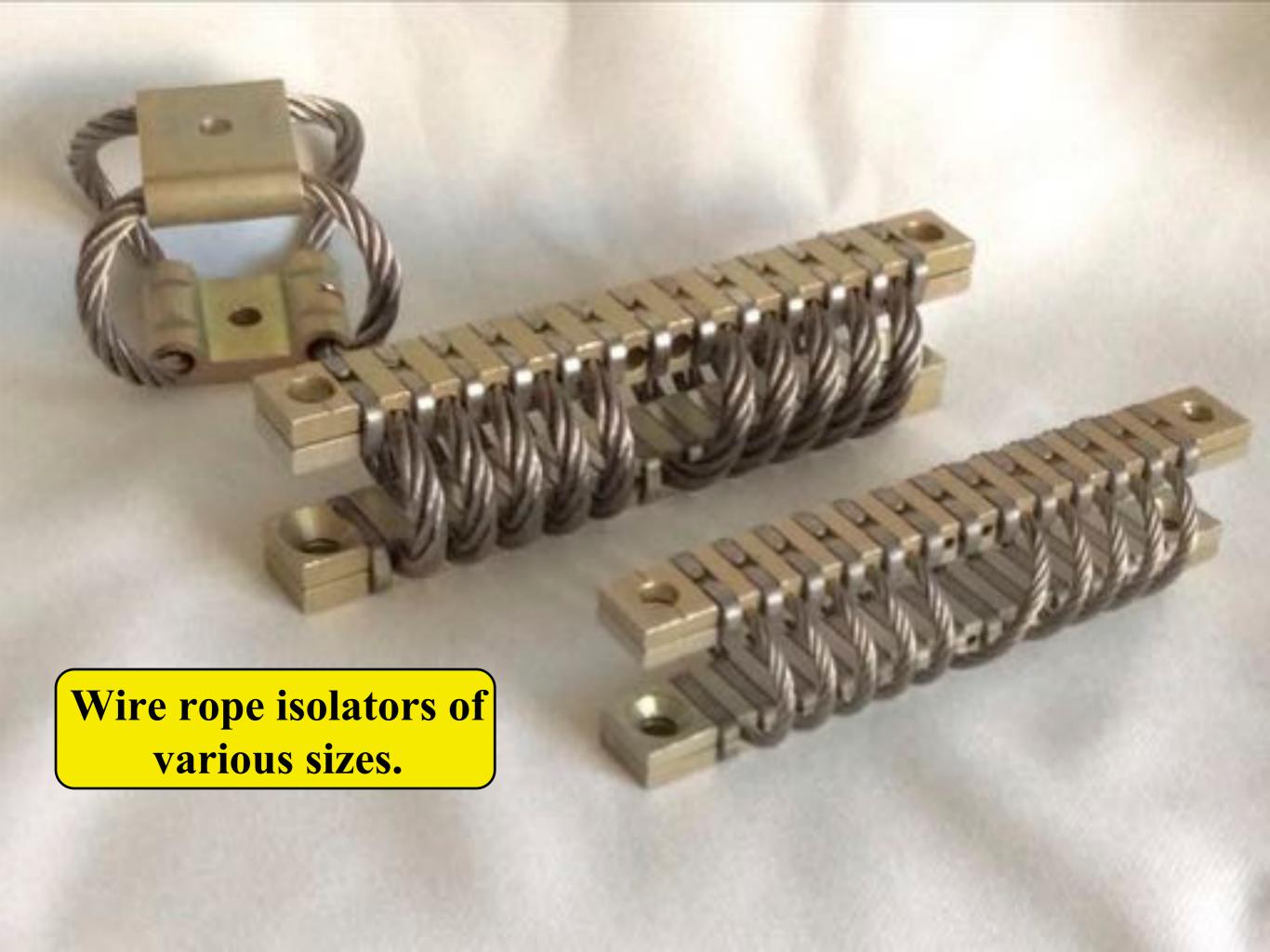
Photo and arrow orients object in mount.



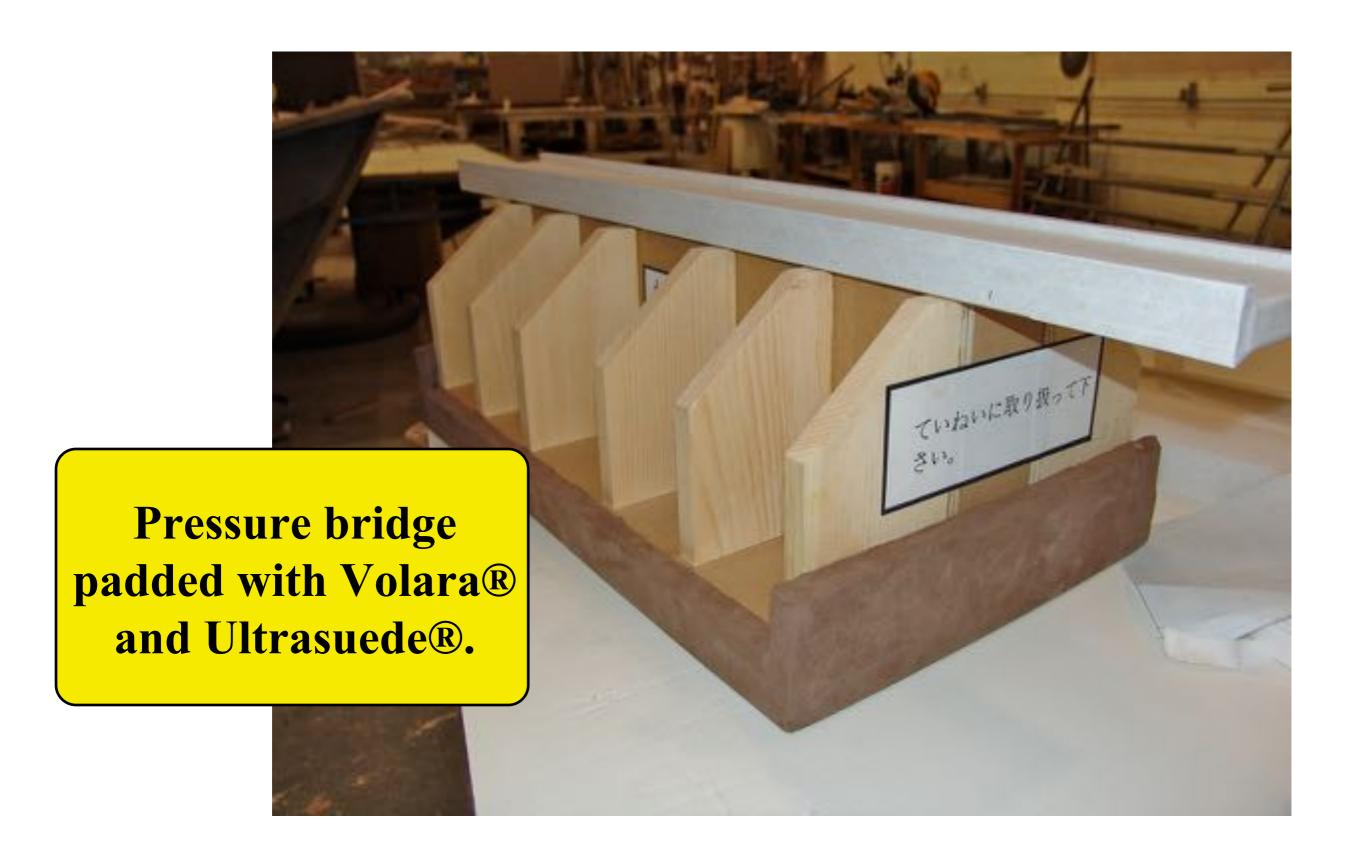
object.



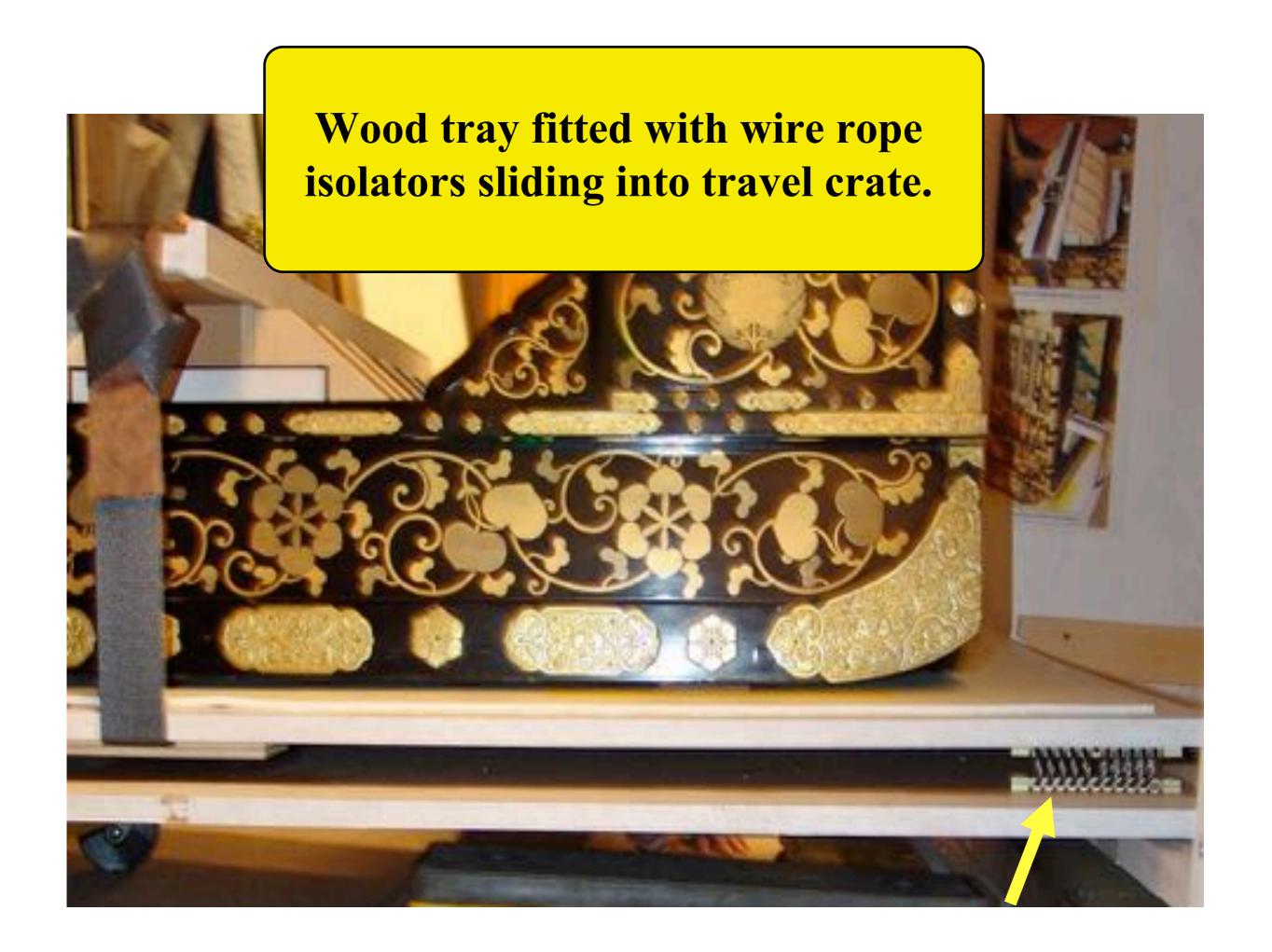


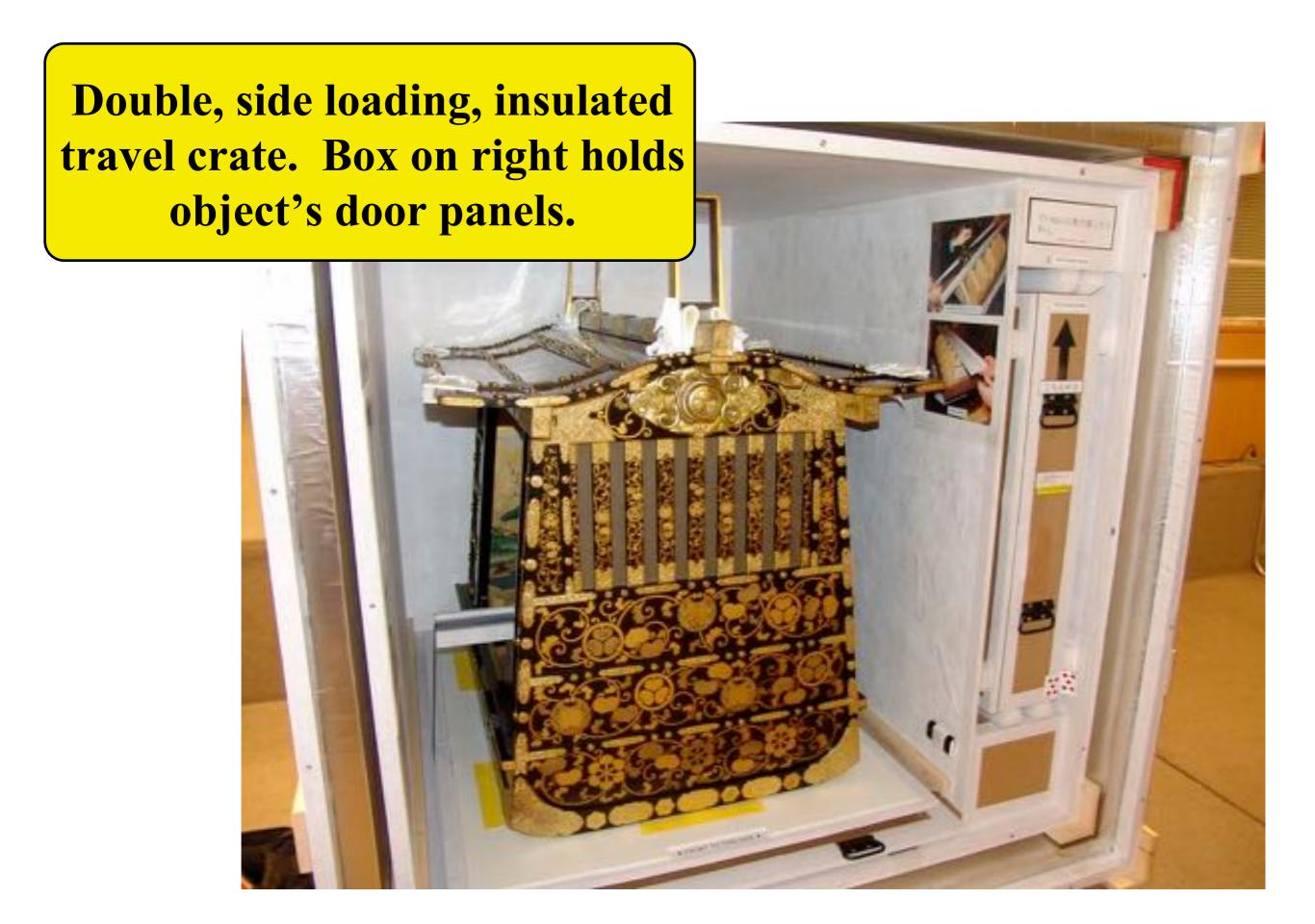


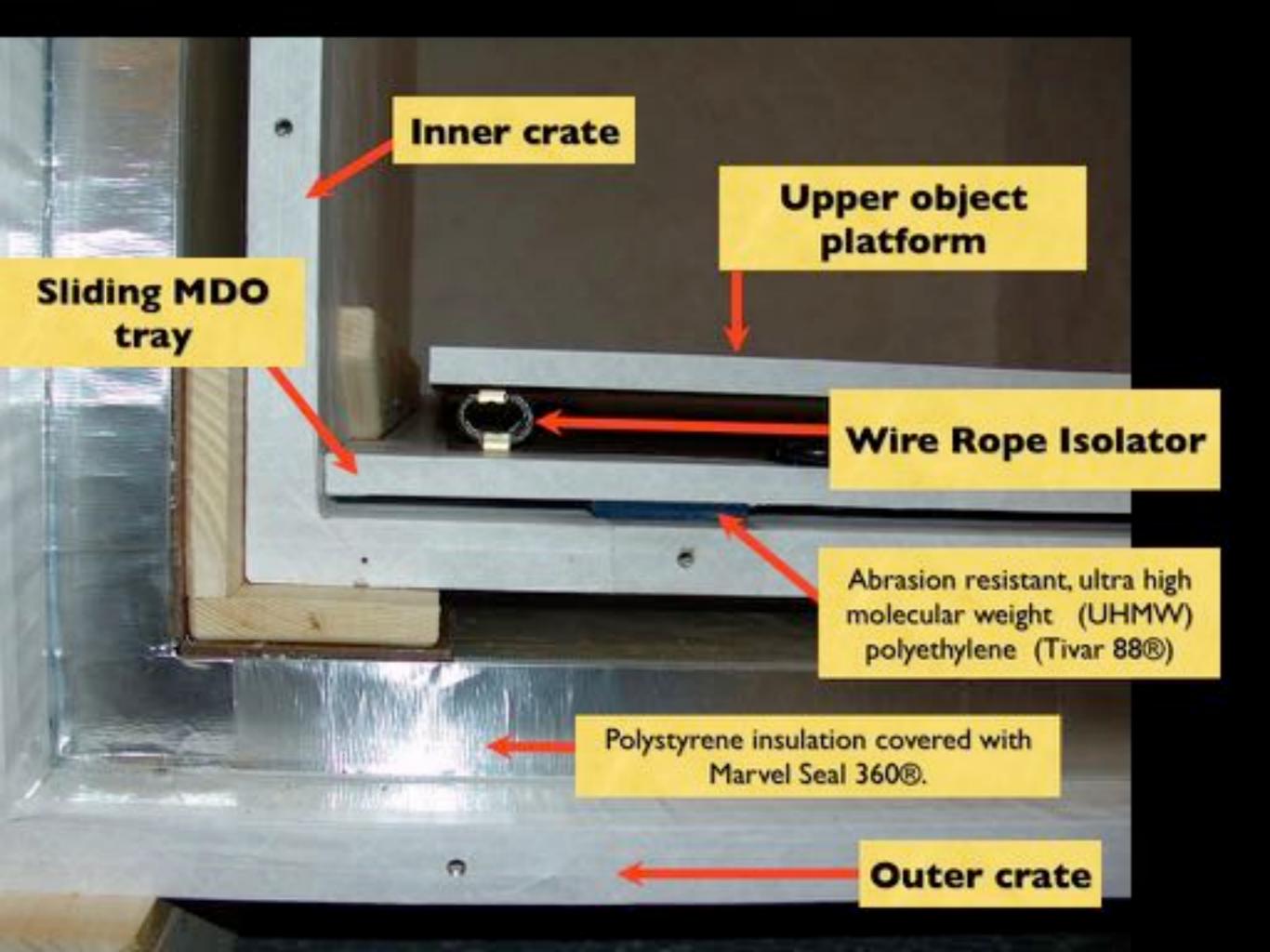














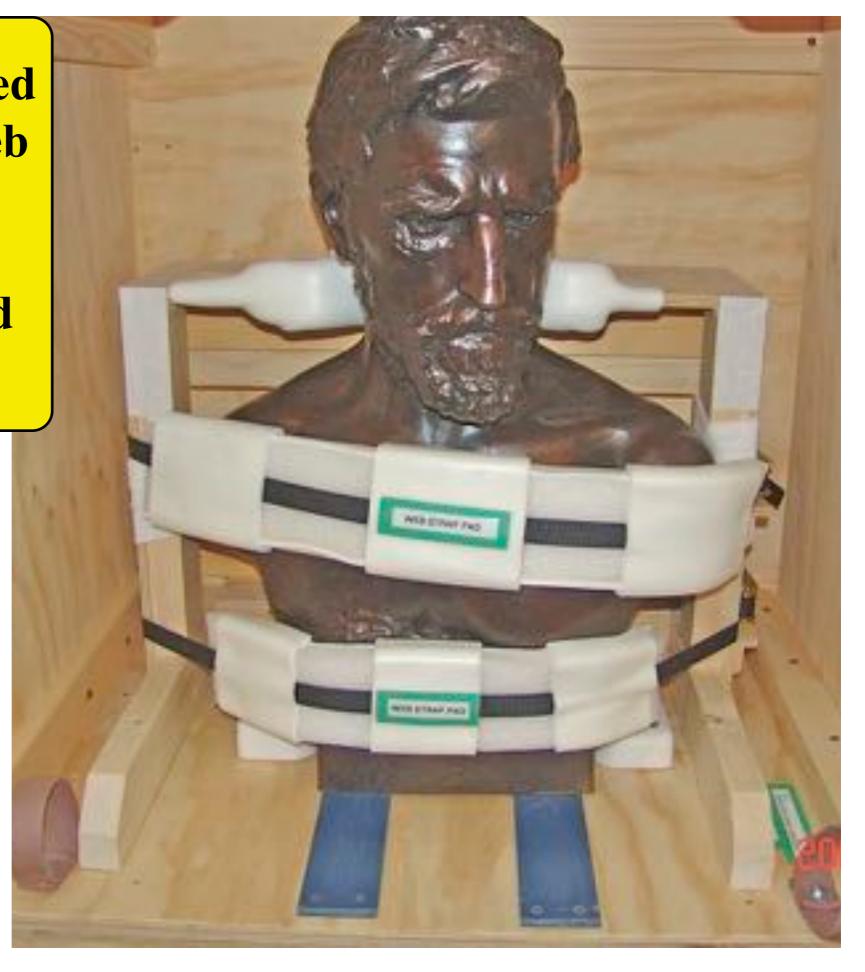






Object on sliding tray fitted with wire rope isolators.

Bronze bust packed using 1" nylon web ratchet straps padded with Ethafoam® faced with Volara®.





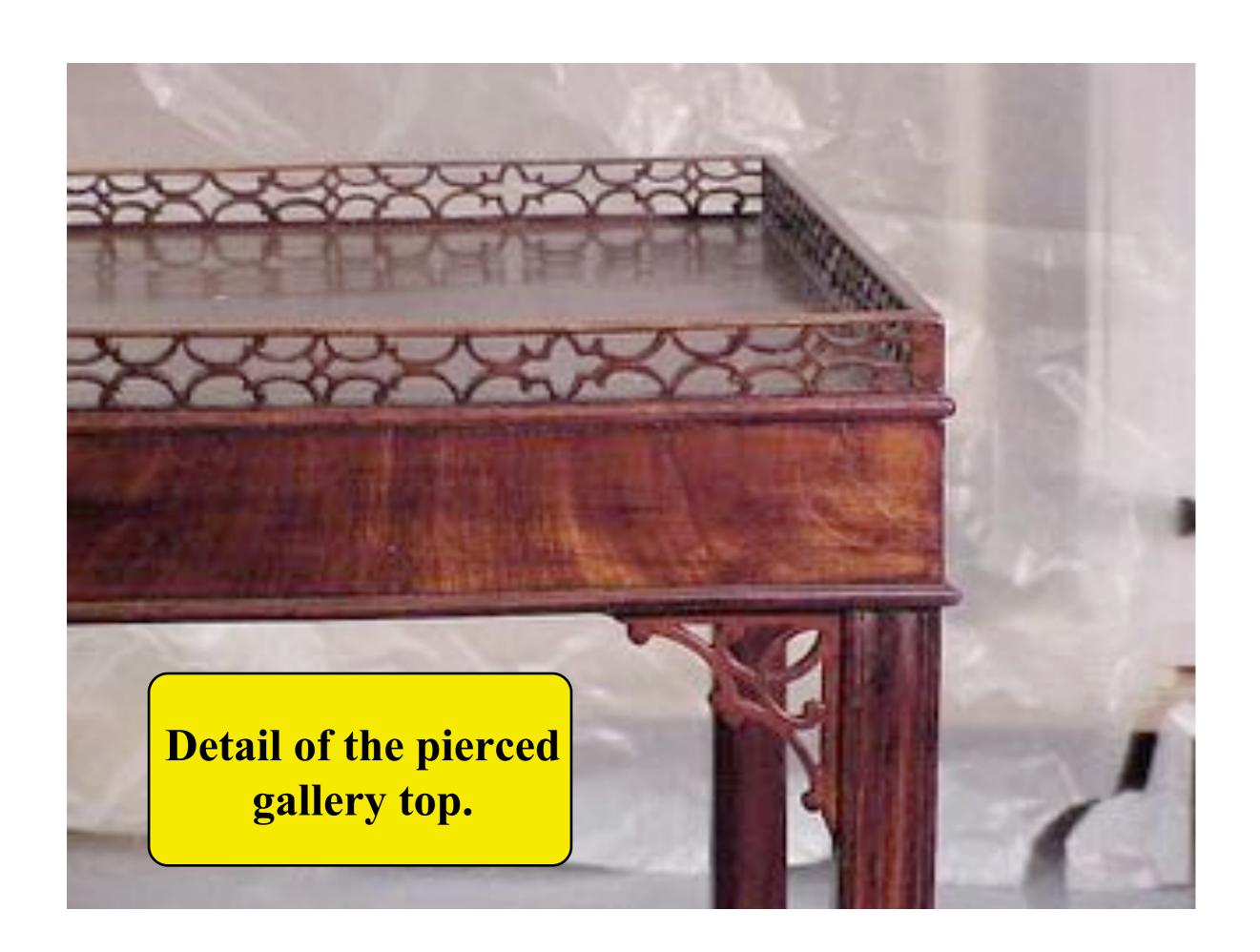
Larger bronze bust packed using 2" nylon web ratchet straps padded with Ethafoam® faced with Volara®.

2" ratchet straps are secured directly to reinforced crate.
Tivar 88® strips attached to crate deck are used as slides to ease removal of piece.





Rare and fragile
18th century
Chippendale table
with pierced gallery
top and carved
arched stretchers.



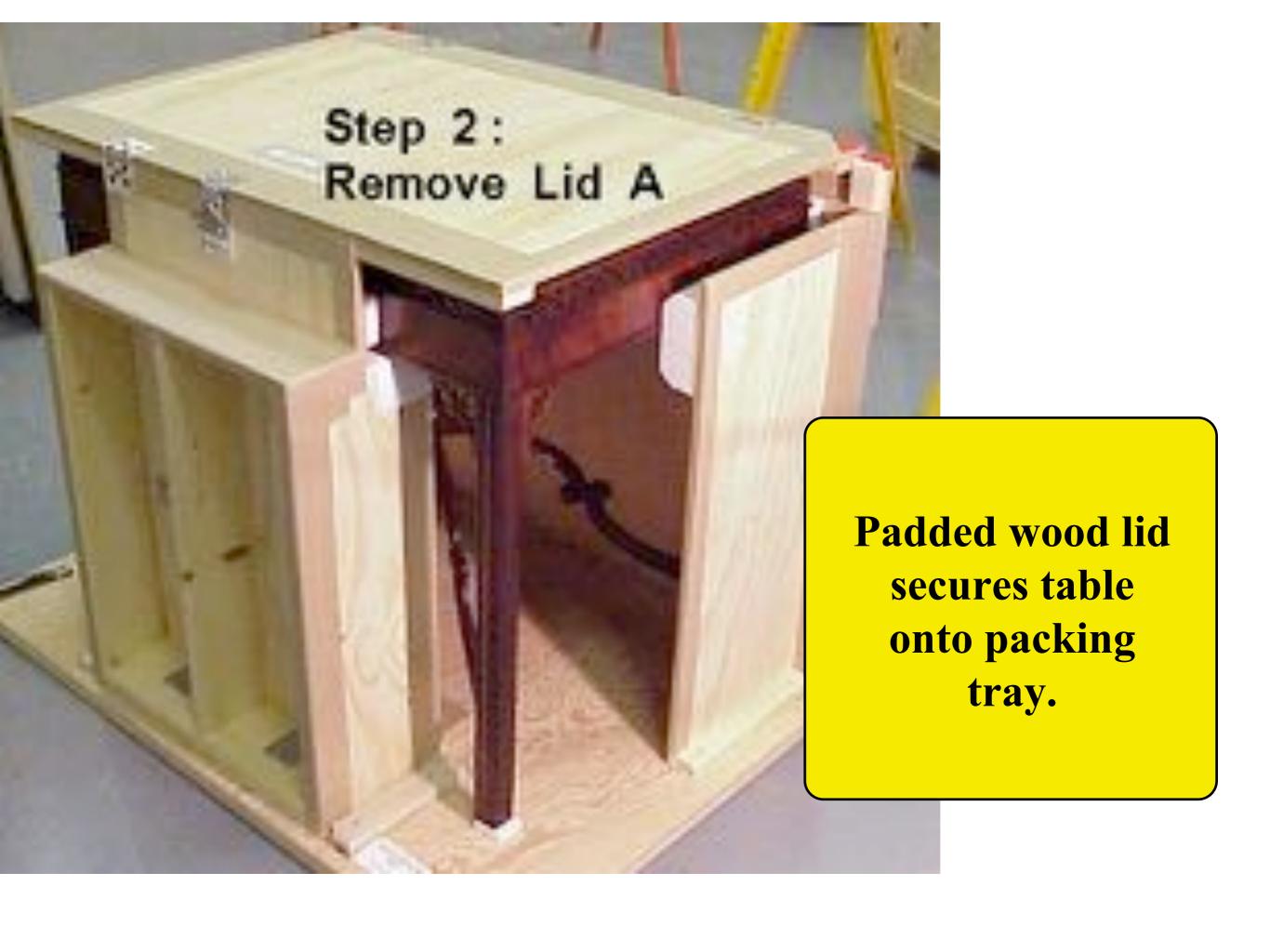


Sliding wood tray with uprights that support table under the apron with felt covered Ethafoam® blocks.





Front brace is removable and bolts in place onto tray. Guide rails locate brace on tray.





Detail showing lid padding and gap between gallery top and lid.

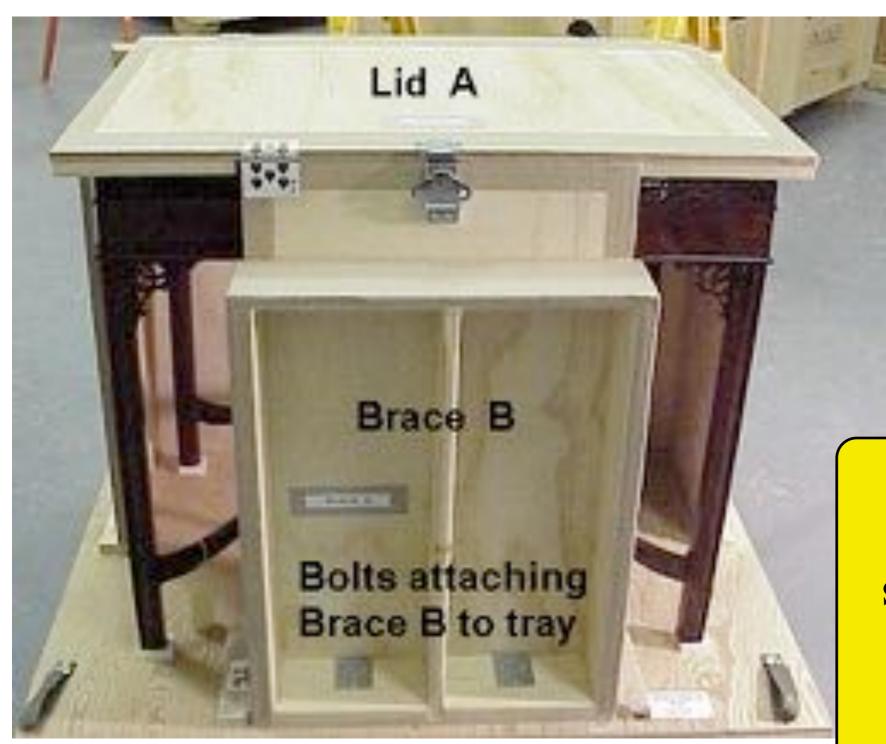


Table secured on sliding tray. Tray then slides into crate.



Interior component of an Imperial Fabergé Easter Egg.

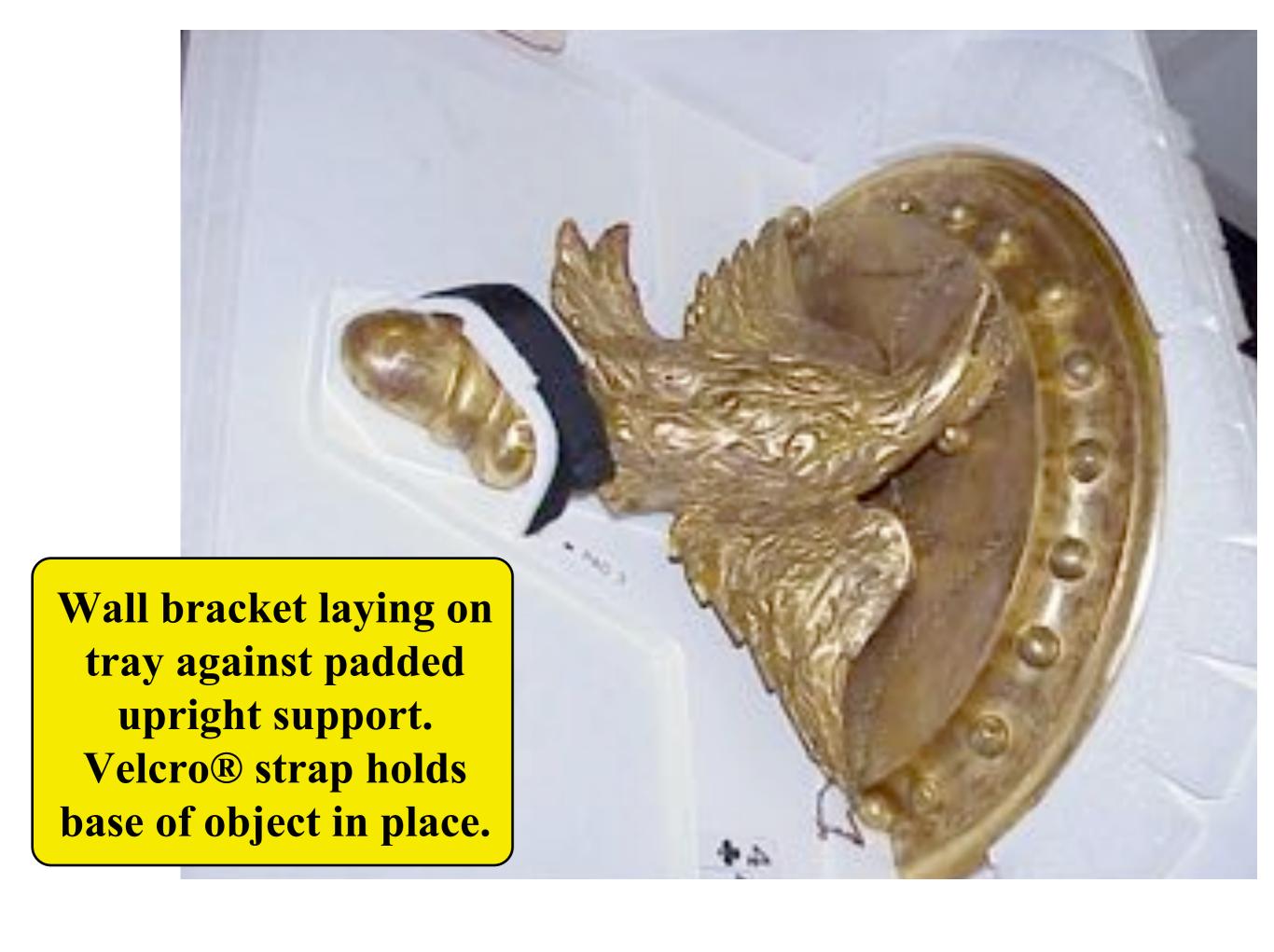


Imperial Fabergé Easter
Egg in the open position
showing the interior
compartment.



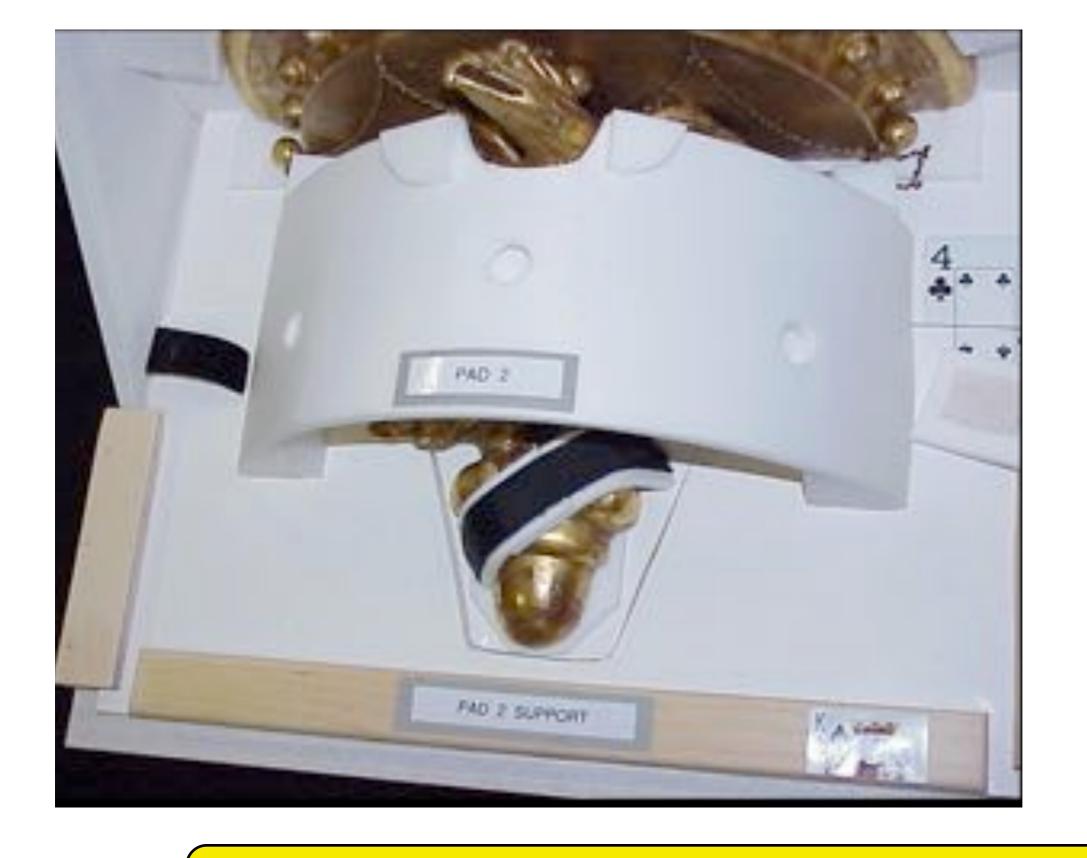






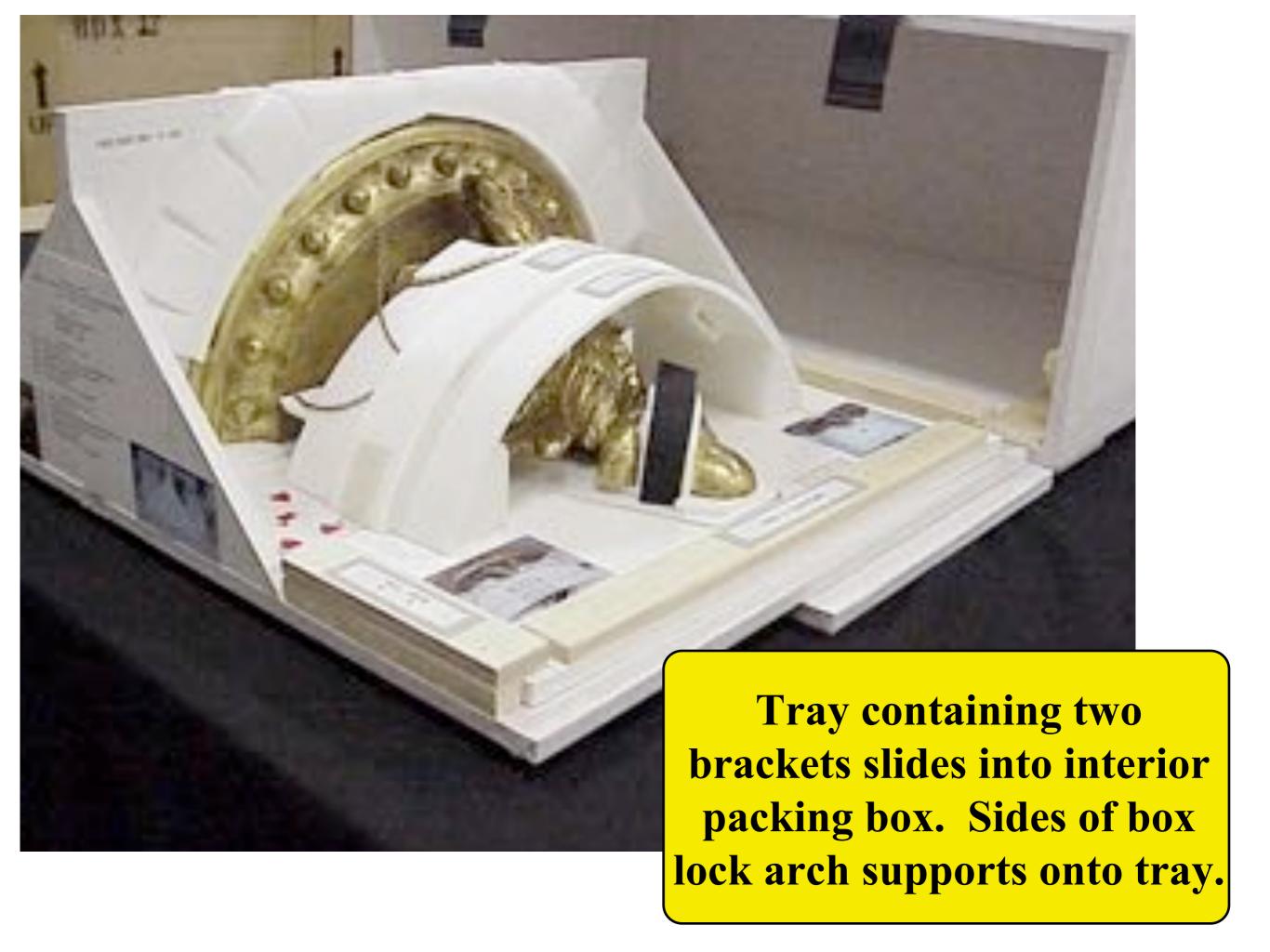


Secondary insert slides into place onto tray with an arch support made of Volara®.



Holes in arch are sized for the gilt pendants.

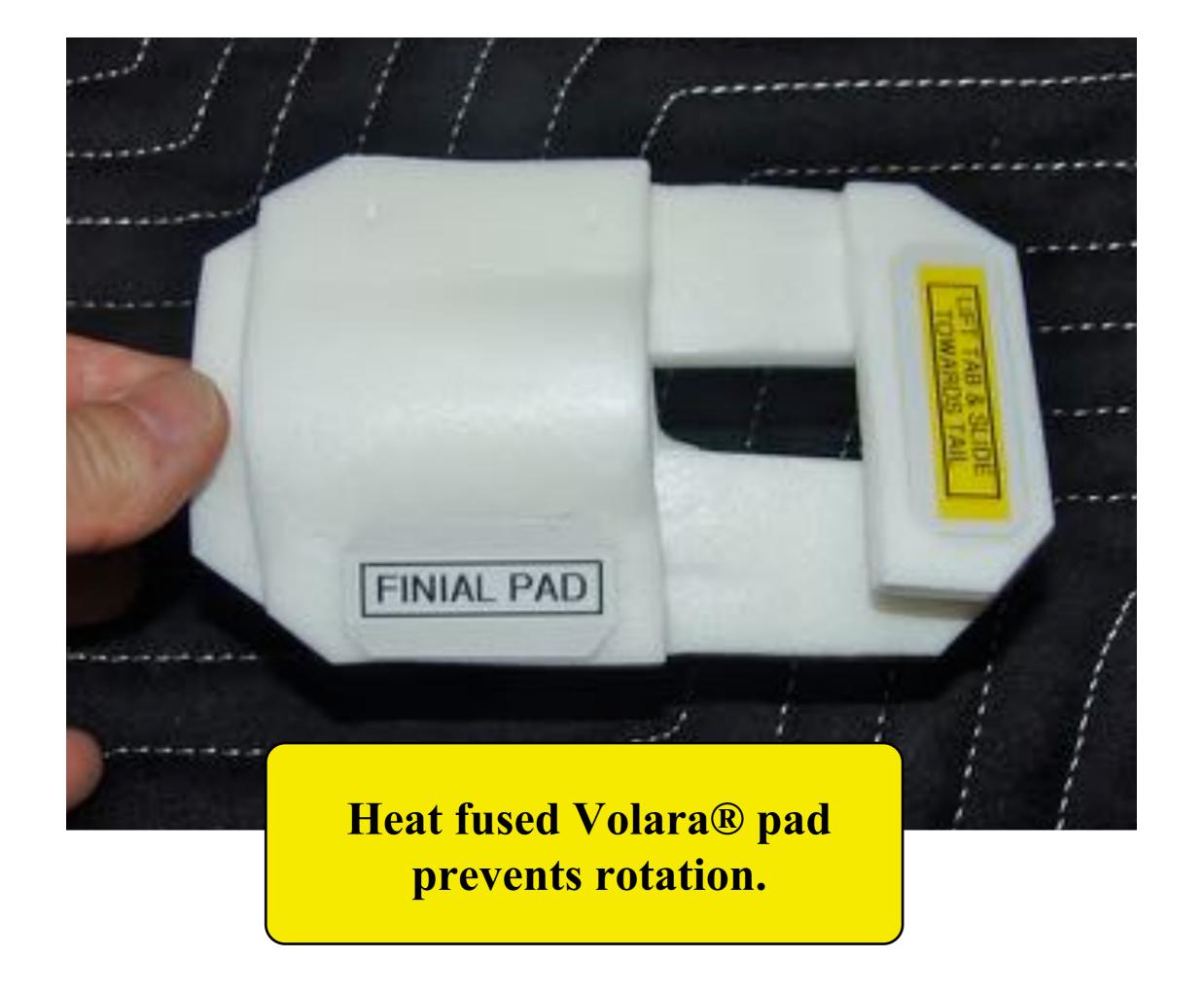






Indian shrine with peacock ornament on top.











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