

US Capitol Dome Metal Stitching Crack Repairs



The entire Dome was made of cast iron between 1855 and 1864.

Construction of the Dome



View of the damage before the repair demonstration began



This demonstration took place in 1998

This section of one of the ornate plate on the lower balcony was actually broken off



Special brackets were fabricated and attached to the side of the Dome to secure the broken piece



Special metal stitching pins were used to repair and seal the crack



High tensile strength Locks were installed to add additional strength



The process continues



Right side completed



Left side completed



The actual repairs to the Dome will not start until 2012