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