



Photo Courtesy of Alexa S. Nizak

Lantern Curtain Wall

The Lantern Room's curtain wall allows the blinking red light to shine out six miles and reassures those on land that Anne's Eyes are lighting the way for mariners. Over these past 160 years leaks have developed in the curtain wall which will become more prevalent over time because its design puts bronze in contact with cast iron. This results in a cathodic reaction and sacrifices iron to the more noble bronze in the form of corrosion and rust jacking. As corrosion worsens, the bronze and glass will be pushed out, resulting in more leaks and broken glass (under pressure). Little was known about cathodic reaction is 1861 when the lantern was built.

Scope of work:

- Disassemble and match mark lantern glazing and bronze work.
- Remove cast iron stiles from masonry.
- Cast, fabricate and restore stiles as necessary.
- Rebuild with new laminated glass, utilizing existing bronze receiver bars, battens and cap screws.
- Use isolation material between dissimilar metals.
- Repair and paint lantern roof, cornice and vent ball.

South Tower Lantern Room Final Phase Restoration

The Thacher Island South Tower Phase 1 was a complete success. Beginning with the summer of 2025, visitors can now climb the South Tower and walk out on the gallery deck parapet to enjoy the magnificent 360-degree view of the island from 120 feet above the ocean. This was made possible by achieving our Phase 1 fund raising goal of over \$500,000 (with your help), which allowed our contractor to repair and replace the railings on both the Lantern and Gallery Decks in the fall of 2024.

Now it's time to ensure that the Lantern Room itself allows the South Tower light to shine for future generations. The final phase of repairs, estimated at \$2 million, requires the lantern room to be lifted, the 14 underlying granite blocks to be repaired or replaced, and the storm glass panels to be safely reseated.

The stiles/astragal, which are the vertical metal pieces that form the curtain wall and hold the glass storm panels in place, need restoration. There are 24 storm panels that need work.

While we are asking the town of Rockport to support this project through the Community Preservation Act, we also need your help to reach our goal of raising \$2 million.

Here are two easy ways you can donate. Please consider sending your tax-deductible donations by mail or through our Thacher Island website under the donate menu option.

Mailing address:

**Thacher & Straitsmouth
Islands Association (TSIA)
PO Box 73
Rockport, MA 01966**

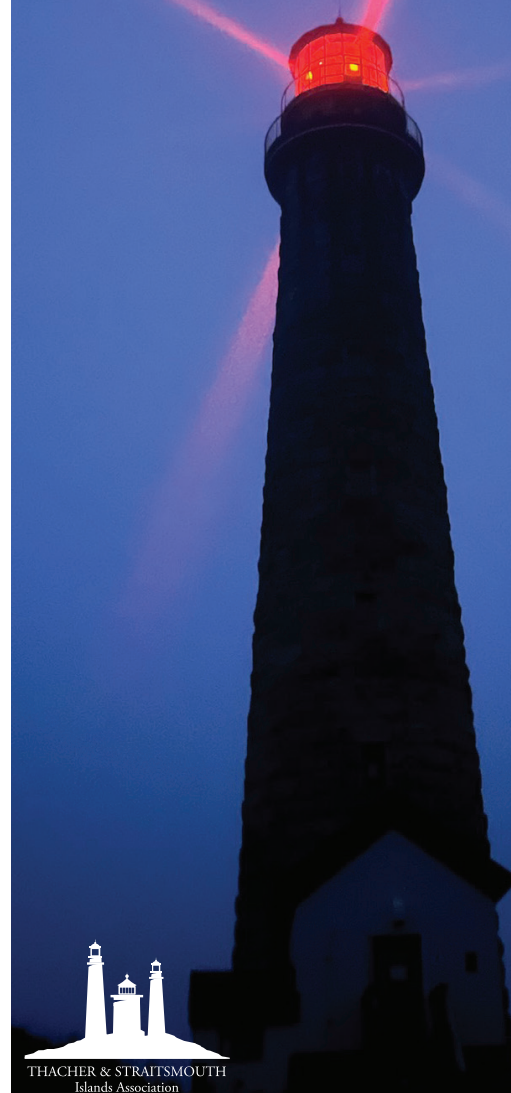
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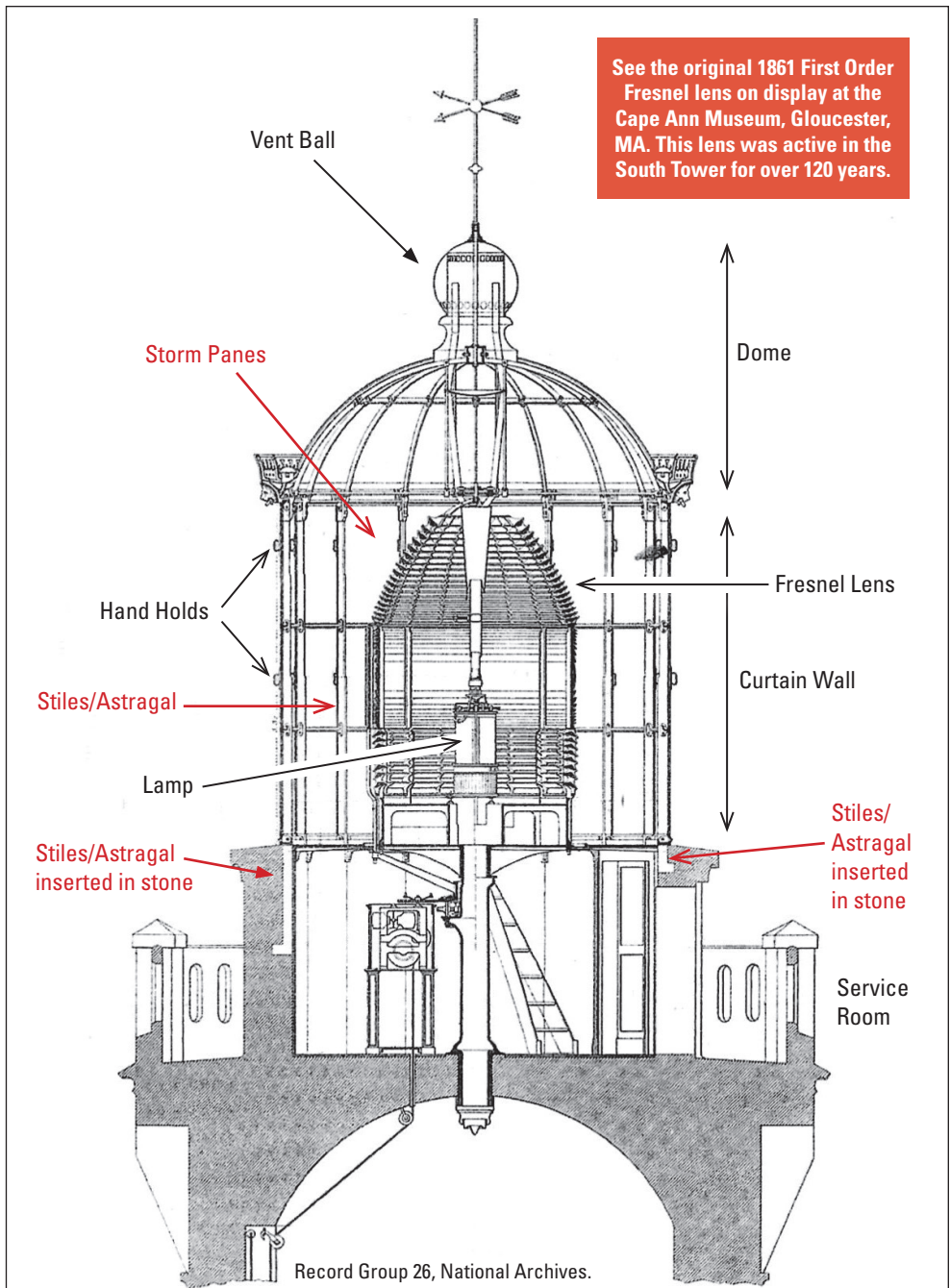
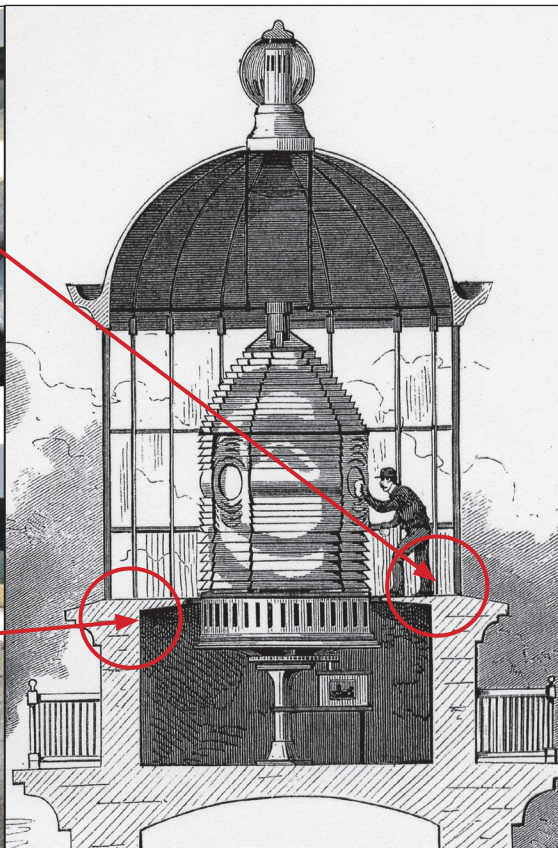
Cover photo courtesy of Sharron Cohen.

HELP KEEP OUR LIGHTS SHINING





Photos Courtesy of ICC Commonwealth.



The stiles (astragals) of the lantern are inserted into the top layer of granite blocks about 10 inches. All of these stiles have begun rust jacking causing 10 of the 14 blocks to fracture and need replacement. Note example photos on the far left and the broken blocks caused by rust jacking. Twenty-four storm panes need repair.