



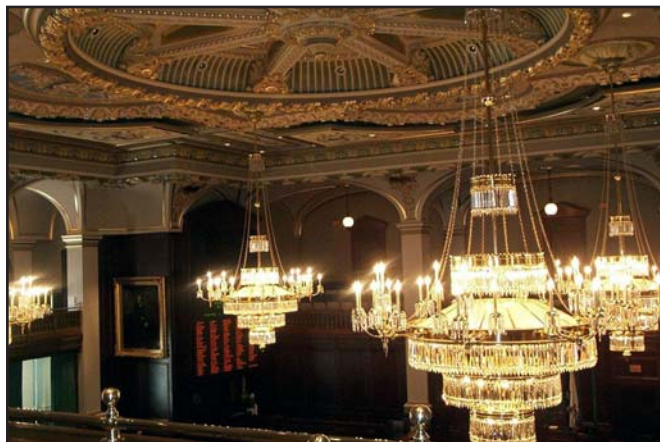
A Capitol Application

There is a new look sweeping across the Midwest. Aging statehouses are undergoing renovations to revitalize their facilities and preserve their vintage architecture and Thern theatre winches are playing an important role.

St. Louis Antique Lighting Company of St. Louis, Missouri specializes in the manufacture, reproduction and retrofitting of historic lighting and implementing custom architectural lighting. In 2005, they began working as part of a major, on-going renovation of the Kansas State Capitol Building. As it turned out, the project required something that they were not experienced with: winches.

“What happened was we had done some winch research,” said Gary Behm, President of St. Louis Antique Lighting. “We don’t work in winches, so we didn’t have any experience. [Then] Thern’s website came up.”

They had come to the right place. Thern would bring



Thern winches are used to hoist and hold four large antique chandeliers.



The Illinois Statehouse in Springfield, Illinois

50 years of lifting experience to the project and Mr. Behm and his company would receive a practical winch education in the process.

“We ended up working with Greg Nyseth”, Behm said. “He was very knowledgeable and helpful. We went to winch school and Greg was our teacher.”

St. Louis Antique Lighting installed Thern winches at the senate chamber in December 2005. The successful application of units in Kansas, along with Mr. Behm’s positive experience dealing with Thern, was fresh in mind when it came time for their next project - the Statehouse in Springfield, Illinois.

Built in 1868, the Illinois Capitol was the St. Louis Antiques’ latest “preservation project”, a process to restore and preserve the facility and its historical architecture for the future. Once again winches





would be required for the project and this time St. Louis Antique knew right where to turn.

Project managers supplied Thern with the application specifications, which called for Thern winches to hoist and hold four ceiling chandeliers, each weighing around 500 pounds. Upon reviewing the theatre winch line and consultation with Thern engineers, St. Louis Antique selected electric Drum Winches for the job.

The Drum Winch is ideal for this theatre-style application due to its high degree of specialization. Its capacity for special voltage, redundant braking systems for additional load control and security and control package were among the required features called for by project coordinators, features Thern can deliver.

These Drum Winch units feature 800-pound line-pull

up to 25 feet and will be installed in the attic space above the decorative plastered ceiling of the House chambers. Bolted securely to platforms, wire cables run from the winches to pulleys attached to roof trusses positioned directly above each chandelier. Six-foot long steel tubes extending down through the ceiling provide a conduit for wire rope to reach and connect to the chandeliers. Once attached, the units hoist the fixtures into position and then lock, holding them securely in place. Finally, electrical wiring and additional security cables were reconnected completing the chandelier re-installation.

The Illinois State Capitol renovation serves as a high profile showcase for Thern's line of theater winches, providing an opportunity to further establish Thern as the premier winch supplier for a specialized niche market.



Thern's DW Series winch provides specialized capabilities including multiple lines, locking positions and a redundant braking system mean users receive high level performance, convenience and security.

APPLICATION DETAILS

Lifting or pulling:	Lifting
Line pull required:	500 lb
Power source:	208 volt / 3 phase motor
Installation requirements:	Base Mounted
Environment:	Indoors
Frequency of operation:	Occasional
Special considerations:	Holding overhead load at all times

