Steam Engine Runs After Fifty Years

Built In 1855, The Engine Was Used As Testing Ground For New Designs

Still in operation, a steam engine rescued fifty years ago that set new records of economy at that time and place became the "benchmark," or modern steam engine design, is being shown in the Steam Lab, in Building 9.

Built in 1855

For the Institute about the year 1855, this engine is especially designed to facilitate experimental operation. The three cylinders develop 50 horsepower each, raising steam at a rate of 10 revolutions per minutes.

Sizes of the cylinders are 8, 14, and 24 inches, with low, intermediate, and high steam pressure respectively. Connections are designed so that any one or all of the cylinders may be isolated, or, in any combination. In the operational evidence, steam from the cylinders is admitted to the next larger cylinder, that from the largest going to a condenser.

Steam Jacketing

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Cape Cod Canal

Cape Cod Canal (Continued From Page 6)

The canal was formed by a project of the United States government. It was opened in 1914, and has been used ever since for navigation.

The canal is 10 miles long, with a width of 1,000 feet. It is lined with stone, and has a depth of 30 feet at low tide. The canal is controlled by a system of locks and gates, which regulate the flow of water.

The canal is used by ships of all sizes, from small fishing boats to large ocean-going vessels. It is used by both commercial and recreational traffic.

The annual report of the U.S. Army Corps of Engineers shows that the canal handled over 10,000 vessels in 1963. This figure is expected to increase in future years.

The canal is a significant link in the system of American waterways. It provides a short cut for ships traveling between the Atlantic Ocean and the Great Lakes. It also provides a means of transporting goods to and from the east and west coasts of the United States.

The canal is a symbol of American ingenuity and determination. It is a testimony to the fact that we can overcome natural obstacles to improve the flow of commerce.