

ceded that as a method, it is certainly worth careful consideration. The information regarding the interchanges of heat can not be obtained so readily by any other method that is known to the writer, while I believe it will be found to compare well with any for completeness and accuracy of information.

Applications of the methods which have been here described have already been presented to the society in the discussion of the tests of the Milwaukee engine by Dr. Thurston, read at the fall meeting, and, also, a paper at the present meeting on the subject of *The Steam Jacket*, also by Dr. Thurston.

In presenting the drawings for this paper the writer is under obligation to Mr. Thomas Hall, a graduate student in Sibley College.