

# THE BARGE CANAL SYSTEM

BEING CONSTRUCTED BY

## THE STATE OF NEW YORK

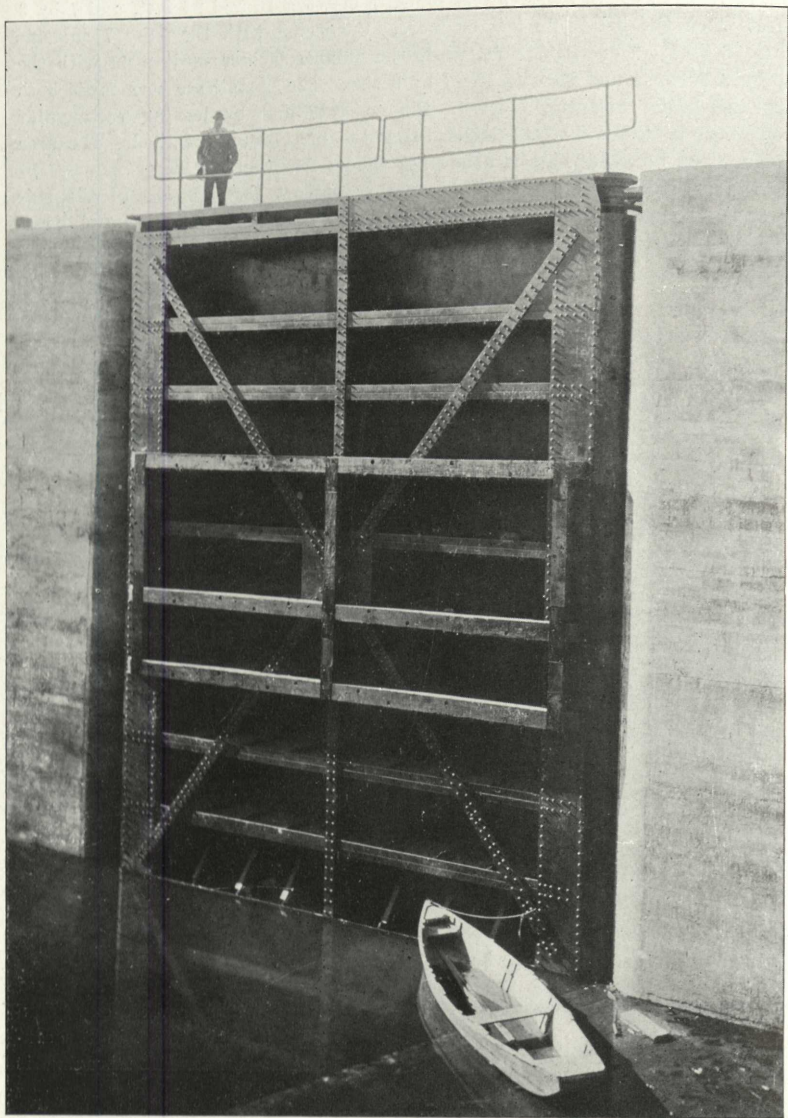
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FRANK M. WILLIAMS, State Engineer and Surveyor

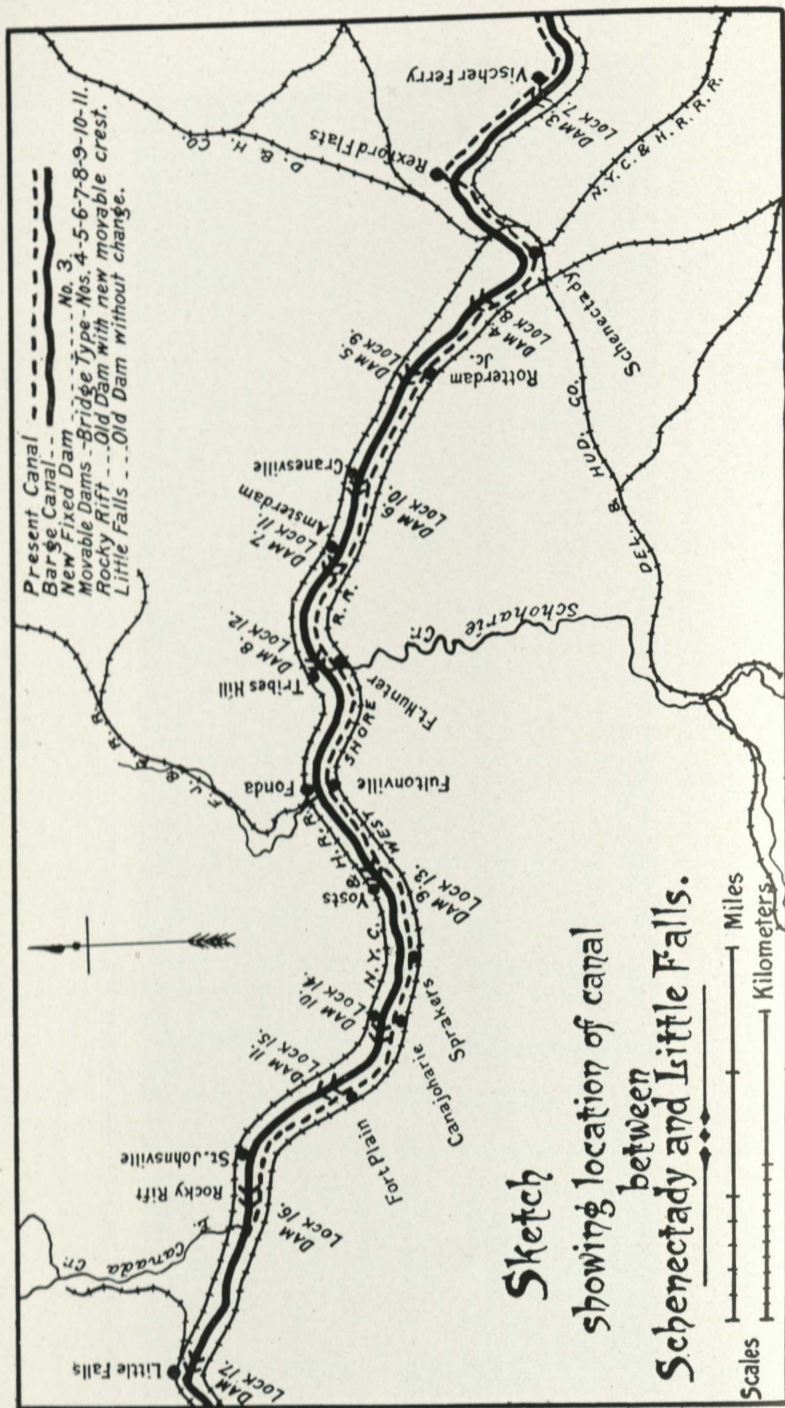
DWIGHT B. LA DU,  
Special Deputy State Engineer

WILLIAM B. LANDRETH  
Deputy State Engineer

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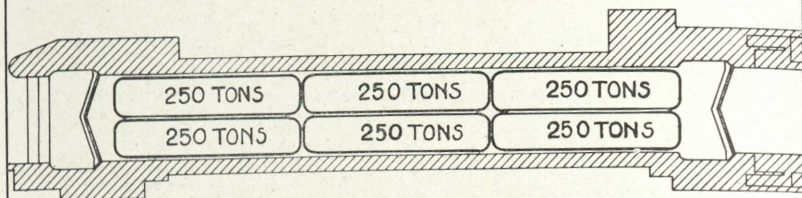
A lower gate of lock No. 11, Champlain canal.



Sketch  
showing location of canal  
between  
Schenectady and Little Falls.

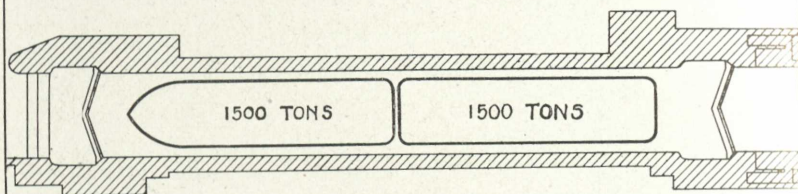


# **PLAN OF NEW BARGE CANAL LOCK SHOWING SIX ERIE CANAL BOATS OF PRESENT SIZE.**



These Locks will accommodate a barge of 3000 tons capacity, 35 feet beam - Future widening will permit the use of barges of 3600 tons capacity 42 feet beam.

3000 tons will fill 75 freight cars of 80,000 lbs each  
3600 tons will fill 90 freight cars of 80,000 lbs capacity each.



## **CAPACITY OF NEW CANAL.**

New boats will carry fully 10 times as much as old boats, at an average speed of 2.5 times the speed of the old boats. Therefore the capacity of the new canal will be 25 times the capacity of the present canal. As more than half of the new line is through lakes or natural river channels, a greater average speed is possible.