

The following Report of Mr. Birdsill Holly was published at Lockport on May 18th, 1878 :

" During the past winter, an equivalent of 65 houses, * on nearly three miles of underground pipe, have been heated, and an accurate record has been kept from day to day of the amount of coal consumed.

" From well-understood facts, and from tests actually made to ascertain the amount of condensation in the houses, also 12 hour tests upon the main line with all the houses shut off, it is demonstrated what amount of condensation is due to the buildings, and how much to the pipe underground.

" The details for cost of constructing works, and the cost of fuel are applicable to this city, and will be varied somewhat, according to location and circumstances.

" The following tables show the cost of heating by this system, and the comparisons made with other systems of heating will, upon perusal, speak for themselves.

* NOTE.—12,000 cubic feet of space being taken as an average for dwelling-houses in Lockport.

(For convenience both American and Sterling costs are given, the Dollar being taken equal to 4s. 1¼d. or Exchange at 9½ per cent. Premium.)

J. H. B.

ESTIMATED COST OF CONSTRUCTION AND OPERATION FOR
A DISTRICT OF 400 DWELLINGS ON TWO MILES OF
STREET-MAINS, HEATING THE SAME FOR 240 DAYS,
FROM SEPT. 15TH TO MAY 15TH.

Construction of Works.

	\$	£	s.	d.
Boiler house and chimney stack.....	6,000 00	1,232	17	6½
Six boilers, 5 x 16 feet, set, with feed water heaters.....	12,000 00	2,465	15	1
Two miles mains, average 3 inch, at \$1.40 (5s. 9d.) per ft.....	14,784 00	3,037	16	2
Superintendence and incidentals.....	1,216 00	249	17	3
Total.....	<u>\$34,000 00</u>	<u>£6,986</u>	<u>6</u>	<u>0½</u>