

## REPORT ON TESTS OF GAS METERS MADE FOR THE CITY OF TORONTO, MAY AND JUNE, 1908.

TORONTO, JUNE 20TH, 1908.

*His Worship Mayor Oliver, City Hall, Toronto:*

SIR,—Herewith please find my report on tests of gas meters, and the methods of inspection used in Toronto.

I have the honor to be, Sir,

Your obedient servant,

ROBERT W. ANGUS.

### THE SELECTION OF THE METERS TO BE TESTED.

#### (a) *The First Set of Meters.*

Thursday, May 21, 1908, I received a letter from Mayor Oliver, dated May 20, appointing me to represent the City of Toronto on the tests of a number of gas meters to be made at the Gas and Electric Inspection Office of the Inland Revenue Department, in the rear of 10 Toronto Street. The letter also stated that a list of the meters to be tested would be given me by Mr. R. C. Harris, Property Commissioner. I, therefore, obtained this list, which included 53 meters, and began the tests on May 21st.

The meters mentioned above were delivered by the Consumers' Gas Company to the Inspector's office, and it was therefore impossible for me to get definite information as to their history or location. Some of them were in the Inspector's office when I began the tests, the remainder having been delivered to the place of testing on or about May 23rd.

#### (b) *The Second Set of Meters.*

It is impossible for anyone to interfere with the mechanism of a gas meter without the case showing clear evidence of the fact. However, exposure of the meters to considerable heat or pressure does have an effect on the leather in the bellows, and in an investigation of this kind it is in the interest of all concerned that a disinterested person should see the meter removed from the building in which it is used, and should have it completely under his control till the investigation is finished. It was for this reason alone that the second set of meters was chosen. There was no desire to cast any reflection on the Gas Company; and in going over their shops with considerable care, I was impressed with the careful handling and storage of meters after inspection by the Government.

It was, therefore, thought best that I should choose a number of meters without the previous knowledge of the Gas Company as to which ones