

advertising to change the burners free of expense. In doing this no such acknowledgment was made; the object, as stated, was merely in some instances to supply burners suitable to the somewhat higher gravity of the gas, in others to replace worn out burners. The objection to lava burners was solely on account of their liability in some localities, to close up from carbonization, as they had done in other places where Lowe Gas is supplied, owing to the richness of the gas, and probably to the fact of the Hydrogen being less in quantity than in Coal Gas; and Mr. Littlehales informed me that the same difficulty occurred with some of his lava burners at Cobourg, the works of which he is the lessee. The statement that the Company are asking consumers to use 5 feet burners instead of 3 feet, is unwarranted. The object of the Company in supplying burners to consumers free of charge, is solely for the convenience of the latter.

The charge of the gas being of poor illuminating power is proved to be unwarranted by the tests made by the Government Inspector and by the Company, the former of which show an average for 8 months, ending Sept. 30th last, of 15.91 candles, which is *higher than the best average of that of the Coal Gas previously supplied, and higher than the average shown in any of the reports of that of the neighboring city of Hamilton.* Objection has been made, that although the gas as tested by a bar photometer may show a higher illuminating power than that of Coal Gas, yet after all it does not have the same radiating power. In answer to a question as to whether or not both gases tested in this manner had the same radiating power, the celebrated gas analyst and chemist, Dr. H. Wurtz, says: "A person acquainted with this process and appreciating the principle it is founded upon, could no more hesitate to answer the question in the affirmative than he could hesitate in agreeing to the truth of the mathematical axiom, that 'things which are equal to the same thing are equal to one another.' The notion which I am told is propagated among your consumers, of some peculiar want of illuminating power in the gas, can be nothing but sheer fantasy."

Whenever any defect has been noticed in the gas it must therefore have been local, and have been caused, either by some stoppage in the pipes or defects in the burners.

If anything more were needed to prove this, we have it in the written testimony of a number of the largest consumers, who speak strongly of their satisfaction with gas generally.