

much and thus liberate more carbon than could be consumed with the air supplied.

Mr. Bly,—

Taking up the point that Mr. Wilson spoke about. Chain grates will accomplish this providing that you do not have to crowd them, and that the load is constant, but where you are developing electrical power where the load is up one minute and down the next, which causes a great variation in the required amount of steam, you have got to have a furnace that will adjust itself to conditions of this kind.

I have three furnaces in my plant and you cannot push these furnaces hard enough to make smoke, these boilers figure at 10 square feet of heating surface, 115 h.p., and we are carrying a load of anywhere from 300 to 325 h.p. We also heat buildings of 150,000 square feet radiator surface, and yet we are able to run our furnaces in such a manner as to create no smoke.

Now, coming down to the plan of heating by exhaust steam. We heat from the back of York street to Bay and King, some of the buildings are 120 feet high, and we do it with from two to three pounds pressure of exhaust steam. I do not think that there is a live steam heating system that you can heat with less than five pounds. We have some buildings that we heat with live steam, but we do not get the same results by a long way that we do with exhaust steam, in fact, with the exhaust steam system we can heat buildings four or five times the distance away with $2\frac{1}{2}$ pounds.

Chairman,—

I heated my building during the last cold snap without any difficulty whatever, a vapour on the system, and I had a 5 in. vacuum. It all depends on your piping system, you might have to carry 10 or 15 pounds to do the heating with.

Mr. Bly,—

I notice Mr. Wilson said that the Toronto Electric Light had three or four different prices. These people have been trying to get me to take their power, but when I showed their representative what I was doing, he claimed that I was getting better results than almost any other plant which he had visited, and he further stated that during the winter time he could not touch my price, but he thought that during the summer he could do better. The Hydro-Electric System wanted me to