HEATING BY WHOLESALE.

The Holly Steam-Heating System Success.

The Springfield gas company have already begun heating buildings by the 'Holly' system, the steam being brought in underground pipes 2000 feet or more, although when the subject was first proposed one of our prominent business men said steam could not be forced across the street. The Chicopee bank, H. & J. Brewer's drug-store and Dr Church's residence on Elm St. have had this new form of heating, and, as far as can be determined this mild weather, it works with full success. It was turned on at the Springfield institution for sayings, yesterday, but great expense in getting is to be supplied as soon as the pipes can be put in. Among other places to try it immediately are the Polish and Bohemian clubs. Shoemaker's, Wetland's candy establishment, and offices over the Chicopee bank and Brewer's.

The steam is brought from the gas works at the corner of Sprague and Western, windward Elm, and up Elm to Main street. The gas company do not require any additional boiler, and have used but very little extra fuel to furnish heat for the system. The Holly steam could heat twice as much radiating surface without any more fuel. The loss of pressure by condensation and friction between the Chicopee bank and the heating offices is from 20 to 23 pounds now, and Mr Holly says he could heat the greater part of the city without increasing the loss to more than 3 pounds. And, besides, these houses the pressure is always five pounds, no more nor less, no matter how many houses are used. The very system is brought about by regulating valves in the cellar, which reduce and regulate the pressure.

The meter is attached to these valves, and is governed by the meter in the company's offices. It is so arranged that the consumer can read the amount registered from day to day. The main pipes expand when the steam is let in, and contract when the steam is taken out. The pipes should be placed at the end of every section of 100 feet, in which the ends of the pipe play. There is at the bottom of these boxes the service pipes, or lateral, which are attached, so that all the water condensed in the mains is driven by the pressure up the laterals to the building, where it is conveyed through a mastic steam trap. Pipes also lead from each radiator to the trap, and a waste pipe takes all the condensation into the sewer. This trap, therefore, is a very important part of the system and is the most important of Mr Holly's patents.

The gas company, who have bought the right to use the system in this city, do not consider their present operations in the light of an experiment after the success Mr Holly has had in Lockport. There five miles of mains and six towers were in operation last winter, and it will be increased two miles. Houses a mile away were heated in the coldest weather as readily as those near at hand, and there was no separate radiator is an instance. Experiments have shown that an area of more than four square miles in any city or village should be warmed by the same system. Rights have been sold for New York, Chicago, Boston and other places. There seems at present nothing to prevent the general introduction of the system to the city, and its benefits can be extended to the entire city.

The expense of fitting with pipes and apparatus is less than putting in an ordinary furnace, and in regard to the running expense it is not only simple, but it is understood that it shall not be more than the consumer's average coal bill for the past three years. But aside from the question of expense, the new system has a way of saving in cost in terms of labor, trouble and for the furnaces. Clarence B. Holly, son of Birdsall Holly, the inventor, has been in the city the past week, with Mr Peterson of the electric light and L. Everett, also of Lockport, has had an opportunity of seeing the street work. The steam is serviceable at the same time, anywhere on the route, for boiler. It can be run economically half a mile or a mile away, and Superintendent Dwight of the gas company says it will be quite handy to use when we get on the electric light. The system promises to work a revolution in the use of steam, in more than one direction.