HOLLY

A meeting of prominent gentlemen decirous of information regarding the Holly System of Steam-Heating for cities was held last night in the office of Burt Van Horn, Collector of Internal Revenue, Powers's Block. A reporter for the UNION was present.

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Dr. D. F. Bishop, President of the Holly Company, came down from Lockport to explain the system and all connected with it. Previous to the arrival of Dr. Bishop, the assemblage discussed the subject in a general way as far as understood. E. H. Cook said he had entertained a fear that the difficulty of preventing condensation in the pipes would be fated to the idea, but recently he became convinced that injurious condensation had been

reventing consensation is at the preservation of that to the idea, but recently he became convinced that injurious condensation had been obvisted.

When Dr. Bishop came in he related the history of the system in these points of interest to the public, and answered all questions proposed. The company of which he is President has been in existence two years. Last year the first attempt to heat houses in general by the steam system was made in Lockport, where the company put up two boilers 5 by 16 feet, and from Sept. 9th to June 26 supplied sixty houses with heat to a degree satisfactory to the scoupants. They laid three miles of three inch wrought iron pipe, but did not induce all who live along the line to try it at first. The result of last winter's experiment was so satisfactory that all the residents on the line are now asking for the privilege of using it. Last year it was only supplied to dwelling houses, but now they are connecting their pipes with stores. The longest distance from the boilers to which they supply steam, is a mile and a third, and at that distance a pressure is maintained that runs an engine as well as if near the boiler. The pressure at the point of consumption is regulated by a reducing valve and metre, by which the steam can be reduced at will from sixty pounds in the main to any lower degree desired. The Doctor had doubts concerning the success of the system until the invention of the metre alluded to, which has been perfected within a week or two; since then every doubt has vanished.

The pipe is laid in a trench dug four or five feet deep. In the bottom of the trench a board is placed, no top of which tile is laid to secure perfect drainage. Above the tile the pipe is placed/having first been wrapped in non-conducting material—asbestos, hair cloth, one coat of porous and another of non-porous paper, wound with copper wire. It is then placed in wooden pipes in a way to secure air spaces between the steam pipes and wooden covering, and next laid over the tile. In the pipe laid at Lock requires at working protance at working prounder the bolier, and in an houfour minutes steam was at such a pressure to
in four minutes from the time it was letfrom the bolier to the main, it worked an egine a mile and a third distant. The pipe
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the steam of the steam of the steam. pipe in and a is provided was a lieve joints that allow a leeve joints that allow a pansion. The junction boxes a feet apart, and from them lateral d that are tapped to get a surply main pipe remaining intact. At water that condenses water that condenses water that condenses water that condenses a surply described by the surple of the condenses and the condenses water that condenses water that condenses a surple of the condenses are condenses as a surple of the condenses are condenses as a surple of the condenses as a surple of the condenses are condenses as a surple of the condenses as a surple of the condenses are condenses as a surple of the condenses are condenses as a surple of the condenses as a surple of pipes extend of steam, the

pipes extended of steam, the main pipe remains the junction boxes, any water that consequent in the mains accumulates and is carried by the steam to the buildings, where, when the pressure is reduced, it is re-vaporized and goes to the radiator as steam. When the steam is wanted for an engine it is taken from the main by a pipe so situated that no water enters, while that for heating draws off the water. The Company have twenty-nine claims in their patent which is for the combination. The junction box is patented, also the trap by which steam alone is supplied to engines. The combination of the holler house, street main expansion box, radiators, metres, &c., is also patented.

The expense of laying the pipe and necessary valves &c., is found to be \$1.40 a foot, at least the Company will lay it for that. It is not yet the Company will lay it for that. It is not yet long enough in use to enable them to say what the exact expense of heating by it is. But from present experience they are confident that the cost is not more than what is required for the fuel heating by any system now in use, such as stoves, individual bollers &c.

The following table of comparison, prepared by the Holly Company, shows their views of the advantages of their system over others:

EXPENSES OF THE FURNACE SYSTEM.

Inasmuch as there is no economy in estimating more than a single dwelling, we will state the matter thus :

EXPENSES OF INDIVIDUAL STEAMBYSTEM. Boller and fixtures 8900 00 RUNNING EXPENSES.

13 tons coal at \$5.00 per ton Depreciation and repairs. Depreciation and repairs... lo cents per day for attendan 7 per cent. Interest on investi Cost of unreduced insurance

Comparison of the Holly District system with the fur-

nace and individual steam systems, all reduced to a single consumer: HOLLY DISTRICT SYSTEM WITH 40) CONSUMERS.

Total cost per se HOLLY DISTRICT SYSTEM, 1,000 CONSUMERS. Heat bills from company..... 39 83

Total cost per season. 8 57 83 FURNACE SYSTEM. Total cost per season.

8113 75 INDIVIDUAL STEAM SYSTEM. Total cost per season 8197 00

They are putting in the apparatus for Lockport landlords, who pay ten per cent on the cost of the apparatus for the steam. Bixty to eighty per cent of heat is lost through ordinary stove-pipescand chimneys. By burning the same amount of fuel through one chimney upwards of fifty per cent. of this waste can be saved. Instead of heating a large boiler in one's house, (to do which economically, the boiler should be worked to its utmost capacity,) by uning on a valve steam is at once let on or cut off, and no man is required to look after furnaces, &c. The system can, at slight ex pence, be attached to radiators, and steampipes now in use. It can be used for heating by direct or indirect radiation, and the condensed water resulting may be used for domestic purposes.

We have here presented the chief features of the system as explained by the President c. the Holly company. Every person of intelligence will form his own opinion of its me:its. The cities of Auburn, N. Y., and Springfield, Mass., will shortly have experience with it, as works have been constructed to heat those cities by the system. The Rochester gentlemen intend to investigate the idea further.