

HEATING BUILDINGS BY STEAM.—Steam is coming into use quite generally in the larger cities for warming hotels, churches, stores and dwellings, and is regarded by many as a better method of heating than any other in use. In hotels and dwellings where the heat has to be conducted to many different rooms, and a long way from the furnace, steam can be used with a great saving of expense. It is even contended that to convert water into steam, is the most economical method of applying fuel to heating. This proposition appears to be paradoxical, but when it is taken into account that steam can be distributed so much more readily than heated air, there may be compensation in this for losses in the outset.

Messrs. Siddons & Co., dealers in stoves, furnaces, &c., at Nos. 153 and 155 Main st., have had a great deal of experience in heating and ventilation, and have devoted so much attention thereto, that they may be regarded as among the best informed men on these subjects that we have among us. They have turned their attention latterly to steam as a method of heating, and have produced an apparatus which promises to be very useful. They have the apparatus in operation at their store, which is warmed thoroughly thereby. It consists of a copper boiler set in an arch in the cellar, and so constructed that it regulates itself as to the supply of water and draught of air, and there is no danger of explosion under any circumstances whatever. The steam is conveyed in tin pipes only two inches in diameter, to the radiators in the store and rooms above. These radiators are made of sheet iron plates, so as to afford a large heating surface in a small space, and are quite simple in style. All this apparatus must be seen to be fully understood. We can only give results. In some of the coldest days of the present month, forty-four pounds of coal have been quite sufficient to keep their very large double store, and a work-shop above, warm enough for all purposes. The contents of these rooms, nearly equal to fifty thousand cubic feet, all of which has been well warmed.

The experiments have been so satisfactory that Messrs. Siddons & Co. are about to introduce this method of heating in all places where it may be required. They will introduce their apparatus into stores, hotels and dwellings. It will occupy but a small space in a corner of the cellar, and the pipes can be conducted between the ceilings to all parts of the buildings where it is used. The heat is never above that of boiling water, and is more agreeable than the dry air of furnaces. The cost of this apparatus for stores will doubtless be less than that of furnaces, while for dwellings it will be about the same, we suppose. Those interested in the subject of heating, should call at the store of Siddons & Co. and see the operation of this steam-heater.