

EVART WATER WORKS.

The fact that the citizens of this village with their characteristic enterprise and liberality have been engaged for the past few months in putting in a system of water works chiefly for protection against fire, has been pretty generally understood, and the different stages of the work have been watched closely, and its completion anxiously awaited, in order to determine whether or not they would prove a success. Yesterday Mr. Kellogg the Superintendent of the construction of these works, notified the Chief Engineer that he was ready to submit his work to a trial, and the same was made yesterday afternoon. The trial commenced about 3 o'clock and continued until half past four. During the trial hose was attached first to three hydrants, one at Main and Ninth street, another at Pine and Seventh streets, and the third at Main and Fifth streets. Water from each of these hydrants was forced through 150 feet of 2½ inch hose covered by one inch nozzles each, a dis-

tence perpendicularly from 75 to 100 feet all playing at the same time, and horizontally at least 175 feet. After playing from these hydrants for some time the hose from the Ninth street hydrant, and that from Pine street hydrant was removed and both attached to the hydrant at Main and Sixth streets, and like streams produced. During this trial four private hydrants each with a $\frac{3}{4}$ inch nozzle were also open, more or less of the time and full streams forced through them. No abatement of the force or volume of the streams was perceptible while the trial lasted. The steam gage marked an average of 75 lbs and the water gage a pressure of 100 lbs, with only slight variations. In this trial good evidence was given that the pump possessed all the capacity claimed for it, and the trial was very satisfactory.

The works consist of one of Dixon's Patent 14 inch steam cylinder pumps, with an 8 inch water cylinder, and 16 inch stroke, made by the Ottawa Iron Works, Ferrysburgh Mich. The boiler is 14 feet long, $4\frac{1}{2}$ feet in diameter, with 54, 3 inch flues. The works are located on the bank of Twin Creek near the junction of Main and Tenth streets, fronting on Main streets. The building is 30x33 feet. The main pipe is Wykoff's patent wood pipe, 8 inches in diameter, of which there has been laid 2,300 ft, also 550 feet of 6 inch pipe. The mains are laid from the water works building up Main street to Fifth, a distance of five blocks, also on Seventh street west to Pine, and east to River street, making two blocks more, besides several laterals for supplying private hydrants. There are six of Holly's Hydrants, with two, $3\frac{1}{2}$ inch discharges, these are located on Main street east side at the junction of Ninth, Railroad Avenue, Seventh, Sixth, and Fifth streets, and one on Seventh street corner of Pine. The works were put in by Mr. E. G. Studley, of Grand Rapids, under the personal supervision of Mr. G. Kellogg who has had a large experience in this line, and who seems to understand his business. Every thing connected with the work, and necessary for its completion, except the building was furnished by the contractor Mr. Studley. The pump is an excellent one, and the Patentee claims that it will do greater execution than any other pump of like dimensions made in the country. The water for ordinary purposes is taken from a well sunk expressly for the purpose, over which the pump is placed. This well has a sufficient flow of good pure water for all culinary purposes. By some it is thought that this well was somewhat expensive, and even though that may be the case, yet we have the satisfaction of knowing that the well is a good one. In the event of a fire, when a large supply is needed, an inlet connects Twin Creek with the well, which will furnish any supply demanded.