The Plans for their Construc-

Synopsis of the Contracts Made.

Mains. Etc., Etc., Etc.

The arrangements for the construc-tion of water works have nearly all been completed, the contracts have all been signed by the Mayor and Clerk on the part of the city, and in a few days the bonds will be issued and the deeds for the water power signed. At the request

of the committee, the TAR refrained from publishing an abstract of the plans and specifications intil after the contracts had been awarded and signed, in order to avoid petitions, from dissatisfied property owners for changes. The Committee had arrived at the decision after

Issied property owners for changes. The Committee had arrived at decision after careful deliberation and consideration of all valid objections and were not willing to re-open the suffect.

The contract for the house and foundations, turbine theels, pumps and engines was awarded to the Cope and Maxwell Manufacturing Company of Hamilton, Ohio for the sum of \$33,625. The specifications are explicit and well guarded, and the STAR gives a brief synopsis of them:

The House to be of brick, one story in height, 18 feet walls, in the form of a T, and of the following dimensions: Engine room, 64 feet front by 30 feet 4 inches in depth; boiler room, 32 feet front by 36 feet in depth, being of a sufficient size to admit another set of engines, tamps and boilers of the same size and capacity as is proposed to be erected for present service. All to be substantially built of first-class material and workmanship. It is to be located on what is commonly known as the Cecil & W. son mill property.

TURBINE WHILLS.

THE HOUSE

The pumps are to be driven by three Little Giant Turbine Theels; one 40 inches in diameter, and two each 54 inches in diameter. The power to be transmitted by a pin in 24 inches in diameter and twelve in a face, and a mortice wheel eight feet in diameter and twelve-inch face. The pi ion and wheels may be thrown in an out of gear, so that the pumps may be inn by water or steam at the will of the trator. er in nember, THE PU The pumps are to be of the piston class, the cylinders to be separate and bolted in their places, so that they may be readily removed for that they may be readily removed for repairs; the valves are to be of rubber, sliding upon central stems, and seated upon seats of pure composition metal; the valve chambers to be provided with hand holes for convenient access to the valves; air and vacuum vessels of ample size to be placed centrally between each

pair of pumps; the pumps are to be eleven inches in diameter and twenty-four inch stroke; the pumps are to be set on bed plates, which also support

the guides and plummer blocks for the

THE ENGINES.

To provide against stoppage by failure of the water power steam engines are to be furnished to operate the pumps in such an emergency; said engines to consist of two compound engines (each operating one set of pumps) of the fol-lowing dimensions, to wit: Diameter of high pressure cylinder about twelve inches; diameter of low pressure cylinder about twenty inches; length of stroke, sixteen inches. The engines to be placed vertically between the pumps and driving shaft, supported upon a strong frame work, and arranged so as to be thrown in and out of gear at the will of the operator. The air pumps to

be single acting, operated by a beam attached to the piston rod of the low pressure cylinder. The engines are to

be instantaneously convertible from con-

densing to non-condensing, using high pressure steam in both cylinders. By this arrangement the engine may be operated as a condensing engine with a high degree of economy when performing regular duty for domestic supply, and, at the same time, being convertible, an effective fire pressure may be obtained at any moment. By this the engine is kept in constant readiness in case of fire. By the arrangement of the eccentric the point of cutoff may be changed at will, and the engines are made reversible, equalizing the wear upon the slide and cogs. THE BOILERS. The boilers are to be two in number, set separate. each to be sixty two inches

with one hundred 5-inch flues; to be of the best charcoal hammered. sixteenths of an inch thick in shell and sixteenths of an inch in heads of boilers; the longitudinal seams double riveted and all thoroughly braced and tested. а OTHER DETAILS. 1. These specifications are intended to include everything necessary to construct the pump house and foundations, d | and everything necessary to construct, erect and place in operative condition 5. t• the machinery complete, together with the wheel pit, head and tail races, pumps, foundations, and all connecting pipes for both suction and discharge, 1n g and all special wrenches, tools and apı t e pliances for attaching and detaching the parts thereof, and whatever may be n necessary to complete the work in a thorough, workmanike and satisfactory et manner.

All the material used shall be

of the very best character, and the entire e work done in a substantial and work-

manlike manner.

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THE WATER WORKS. four hours, and shall be guaranteed to perform such service for a period of one year immediately succeeding its being put into operation. The said Cope & Maxwell reserve the right of selecting or approving the person to act as engineer in charge of said pumping machinery for the period of one year, during the term of their guarantee, to be employed at a price not to exceed the value that such carriege can be also where the that such services can be elsewhere obtained; said engineer to be paid for his services by the City of Logansport. The Buildings, Pumps, Lines of

> against all emergencies.
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> The pipe, as at present contemplated, will be distributed as follows: Twenty inch pipe--From the works, up Eighth to Broadway.
>
> Sixteen inch pipe—West on Broadway to Plum from Eighth.
>
> Twelve inch pipe—From Broadway south on Eighth to Spear and Spearer; from Broadway south on Third to Canal

> In consideration of \$91,000, D. A. Chappel, of Chicago, was awarded the contract for pipes, valves, etc. The specifications are lengthy and provide

Haynes to Market. Ten inch pipe -From Eighth up Broadway to Fifteenth, south on Fifteenth to Toledo; from corner of Spear and Spencer up Spear to Niath, and down Ninth

street; from Haynes northward on Plum to Miami, and from Plum southward on

to Lytle; from Haynes west on Market to Heath. Eight-inch pipe—From Third up Canal street to Lytle, east on Lytle to Ewing, north on Ewing to Toledo, east on Toledo to Sixteenth, and south on Sixteenth to P., C, & st. L. shops; from Broadway south on Twelfth to Toledo. Six-inch pipe—From Eighth west on High to Fourth, south on Fourth to canal street: from Broadway north on

nal street; from Broadway north on Third to North, and east on North to Seventeenth; from North on Fourteenth to Broadway; from Third west on Canal street to First, and thence north to Eel street, and thence northeast on Eel to

Broadway; from Twelfth to Fifteenth on George; from First on Market to Seventeenth; from Wright west to Twelfth; from Plum northeast on Miami to Syca-Four-inch pipe—From Market north on Heath to Broadway; thence on Broadway to Barron, thence on Barron to Market; from Miaini to Bates on Plum,

and thence west on Bates to Heath; from North to High on Tenth; from North to High on Thirteenth; from Market to Spear on Tenth; from Market to George on Thirteenth; from Fifteenth to W. & E. Canal on Wright. LOCATION OF HYDRANTS. Hydiants, as at present contemplated,

On Seventeenth at North; on Sixth-

On Seventeenth at North; on Sixth-teenth at North and Market; Fifteenth at Broadway, Spear, Smead, Usher and W. & E. Canal; on Fourteenth at North, Market, George and Wright; on Thir-teenth at Broadway and Spear; on Twelfth at High, Market, George and Smead; on Wright at W. & E. Canal; On Eleventh at North and Market; on Tenth at High and Spear; on Ninth at

Tenth at High and Spear; on Ninth at North and Market; on Eighth at Water Works, Broadway, Market and Spencer;

will be distributed as follows:

on Seventh at High and Broadway; on Sixth at North and Broadway; On Fifth at High, North, Broadway, Market and Canal; on Fourth at North Broadway, Maket and Canal; on Third at North, Broadway, Market and Canal: on Second at Market; on First at Canal; on ond at Market; on First at Canal; on North between Seventh and Eighth; on Eleventh Broadway between

Twelfth, and between Ninth and Tenth; on Market between Sixth and Seventh,

and between Fifth and Sixth; on Canal at Berkley and Taylor; at the corner of Lytle and Ewing; on Toledo between Ewing street and Wilson's addition, and Extract Thirteenth Four at Twelfth street, Thirteenth, Fourteenth, and at Sixteenth street, railroad shops; on Miami at Elm; on Vine at Plum; on Bates about half-way between Heth and Plum; and at Heth, on Mar-ket at Brown and Cicott; on Broadway at Cicott, Barron and Heth, and such other places as the Committee and Engineer may determine where the re-

maining hydrants shall be placed.

This city is placed in a peculiar position by the recent decision of the Supreme Court of the State, being virtually

without a head. The Mayor having gone off to California, we have no authorized judicial officer. The police are

therefore chary about making arres's for fear of laying themselves liable to actions for damages. This leaves matters in a very confused state, and the Council should take some action "to bring order out of chaos." Judge McGregor is unwilling to deliver the police docket to any one but the Mayor or to some one presenting an order from him, and it is stated that Mayor Shultz failed to leave such an order tailed to leave such an order. It is hoped that the council at its meeting to-morrow night will make such arrangements that the police can act with confidence in the matter of making arrests, and not be intimidated with the prospect of a suit for damages. The Y. M. C. A. Revival. The meetings at the First Presby-

terian church yesterday were well at-

tended. In the morning the time was

devoted to an exposition of the dif

ferent effects the revival was having on

the hearts of those attending. Several

gave their experiences, all acknowledging that the good work now going on had only stimulated them to renewed efforts in the cause of religion. In the afternoon as four o'clock a bible meeting was held and was well attended. In the evening a large meeting was held in the Broadway M. E. Chuch, and was addressed by several members of the congregation. The revival will continue all week. Mr. T. B. Rhodes has purchased the property on the south side of Market

street, adjoining the alley between Fourth and Bridge streets, from Mr. Daniel Laughlin. The price paid was \$7,000. Mr. Rhodes will put in an oven and oven with a branch between and oven the street. and open out a branch bakery and eating house on the premises. The pumping machinery is to be of sufficient capacity to deliver three mil-In some portions of the city, the sidelion gallons of water to a vertical height of two hundred and fitty feet above the walks are almost impassible from the sfloor of the pumping house in twentydeep mudholes surrounding them.