WATER FOR NORWICH.

Sin,-I submit for consideration the following suggestions for obtaining an ample supply of rain-water for Norwich.

We have a street in this town at one end of which (shough there are obstructions at pre-sent in the way) is placed the beautiful "Nor-man keep" of our castle. The inhabitants of this street draw their supply of drioking water well. I think, from 120 to 130 feet One side of this street commands the most beautiful prospect in Norfolk, perhaps in England, now shut out by buildings of the most wretched character and description, although it is the direct road to the west part of our environs. Along the street fountains would not only be nf great public utility, but might be made, by the aid of architectural

genius, sources of infinite pleasure.

I lived, during a period of three a warm climate, and occupied a house in which there were never less than ten persons, and frequently during summer up furenty for weeks together; and although there was a well within a few feet of the door we preferred making use of the rain-water, preserved in a sunk stone tank, during every part of the year, and for all purposes, the roof affording an abundant supply, notwithstanding droughts of six weeka' and two months' dura-tion. I cannot heatate to believe that in this country quantity will not be the objection. There we had wood roofs, and wood supplied our fires, consequently the water which fell from them required no previous preparations; here coal fires give us the trouble to purify the draught.

Norwich.

Rain-water fountains, provided with filters, are inexpensive in their first formation, and are maintained at small cost in full efficiency for many years. They possess, also, the fol-lowing advantages, vis.:—

1st. A certain supply of really pure water throughout the year, at the rate of ten gallons per diem for each square yard of surface led into them.

2nd. They are accessible in the depth of winter as in the height of summer, for they cannot freeze.

3rd. They yield not only the purest water to drink, but that which is indispensable for

all household purposes.
4th. The atreets may be conveniently watered with their aid.

5th. They are certain resources in cases of fire; and instantaneously applicable by the most simple means, which a child may comprehend and make use of.

6th. Water, the grand requisite for sanit purposes, is by this means obtained abundantly and cheap.

It appears by the Norfolk Rain-Gauge Register that one acre of land receives during the year 13,923 hogsheads: this quantity will give to each square yard of roof (within a fraction) 150 gallons. A cottage, therefore, with a roof of no more than 25 square yard, will give ten gallons and two pints per diem to its occupants throughout the year.

The tanks will be circular and sunk into the earth, built with brick, laid with Roman cement, and faced with the same, and sufficiently deep to contain an iron frame in four parts surrounding a centre man-bole, in which (for cottage supply) a nump will be fixed for common use. Upon these iron frames the following materials should be placed:—

1st. A stratum of oyster-shells, 3 inches

2nd. A ditto of charcoal, same thickness.

3rd. A ditto of fine sand, ditto.

4th. A ditto of shingle, ditto.

These will form a sufficient filter, and (I think) render the water pure and clear as crystal. The landlords of cottage property to instructed to lead their down pipes into these receptacles, through such tubes as might be recommended. When the tanks are made use of fur street and ornamental purposes, a force-pump (having an India-rubber hose tubing) might be fixed—and this tubing may be of any desired length-and would be used to water the streets, supply reservoirs in all the surrounding houses, and also to extinguish

BLIND BUILDERS

Wr have but one object in giving the lists of ill-considered tenders which occasionally appear in our pages under this head, and that is, the advantage of builders. We did not is, the advantage of builders. We did not adopt the course without due consideration, and we are satisfied the determination we came to is the right one, and will effect good.

Amongst correspondents on this subject

"An Architect" thinks we may be some-times unjust to the lowest in the application of the term, which may rather apply to the highest. We do not pretend to say which is in error, -but that one is so when such differences exist as those we have had occasion to chronicle, is undeniable.

When, taking two instances from a pile now before us, we find the highest tender for a new shop front in Islington 3501, and the lowest 1931, and thirteen tenders for certain work to the London Mechanica' Institution ranging from 114L down to 38L, the justice of the epithet, and the necessity for some proceeding to make builders think upon the subject, must be evident.

One leading builder, in a letter containing an assertion which is necessarily wholly groundless, and as it seems to us somewhat impertment (namely, that we "have upon this subject, no correspondent of high stand-ing in the building business"), threatens us with legal proceedings if his name should again appear in our paper under auch circum-stances. We have no deaire to annny, still less to injure, sny one, but no foolish and idle threat of this sort will prevent us from con-tinuing in a course which we consider for the general good, so long as such tenders as the following, for example, are made.

Tenders delivered for sundry alterations to a house at the corner of Whitefrians-street and Primross-hill. Mr. Malpas, architect.

		-	
Wormal	y		 £1,134
Park			959
Bugg .			910
Lyons .			903
Darby .			800
Notting			780
Simmo			760
Joseph (705
Dean .			695
Pilbee .			687
Watson			670
James G			660
James J			647
Collins.			637
Cox and			595
Howlett			528

HEALTH OF TOWNS ACT IN DOVER.

MR. R. RAWLINSON, one of the inspectors appointed by the General Board of Health, opened a court of inquiry at Dover, on Mon-day, the 4th inst., which continued for several days. A great number of witnesses were examined, most of them voluntarily, and our examined, most of their voluntarity, and our informants say abundant testimony was produced of the occessity for the introduction of far greater powers than any local Acts now give the governing bodies in this town. Of the defective aupply and bad quality of the water, the evidence was complete; no established rule of charge appears to have been adopted by aither of the two companies who have par-titioned the town; and there are many parts where the mains are not introduced. Gas is where the mains are not introduced. Gas is supplied to the public at 7s. 6d. per 1,000 feet; the street lamps are charged 3d. 3s. per annom for baswings, consuming 5 feet per hour, and 35s. for three jets, burning 3 feet per hour, the Company furnishing mains and lamps. Of the general salubrity of the town, and the healthy state of the inhabitants, the medical witnesses gave satisfactory reports. The commissioner, attended by Dr. Soulby, Mr. Huntly, architect and surveyor, and the surveyor to the architect and surveyor, and the surveyor to the Paving Board, made a personal inspection of of the localities, many of the poorer districts presenting a scene of the most disgusting filth. The sources of the river Dour were next visited; but the immense amount of mill property situated on the stream, and which must be compensated if any deprivation of water at the head

took place to any extent, such as that for the aupply of a large town of 20,000 people, is thought to render it necessary to abandon all idea of accomplishing it in this manner. The oft-repeated answer which was given by the poor cottagers, that "we do not live in this condition from choice," is convincing that if you give them the means they will be clean.

RAILWAY JOTTINGS.

Nortces have been lodged of application to Parhament for its sanction to upwards of twenty amalgamations in England, and eight plans and The number of tions lodged to connection with railways down tions lodged to connection with railways down to the least day for their reception was twentynine, two only being for new lines.—A
commission of practical engineers and scientific men has been recently appointed at the
recommendation of the Railway Commissioners, to investigate the propriety of employing iron, and particularly cast-iron, in railway works.—The reduction in price of coal
and the Railway and a since the oneumn of the way works.—The reduction in price of enal at Bury St. Edmunds, since the opening of the Eastern Union, has been equal to the amount of poor-rates levied in the town. - Notwithstanding the use of powder magazines with trains, and the prohibition of other modes of conveying gunpowder and other combustibles, so much carelessness in the disposal of rlangerous materials such as these, and that hy the railway officials themselves, has been occa-sionally evioced, that complaints and warnings have repeatedly been given by prudent persons to more than one of the prioripal companies. Prohibiting other modes of transit, and taking special charge themselves of such materials, it certainly is incumbent on them to carry out the most stringent regulations for their safe disposal at every stage of their transit. Nevertheless, an accident has just occurred on the Eastern Counties lines which perilled the lives of numerous parties whose escape was all but miraculous. Nearly two cwt. of powder in two separate barrels, on being taken out of a train magazine at Witham, in place of being warily and at once disposed of in a place of safety, mail train, which ran right over them, the engine crushing them to pieces, while the aparks from the grating in a moment exploded the whole, throwing the engine upwards and sidelong off the rails, tearing up the permanent way, emashing several of the carriages, and arresting the train with a sudden shock. Had the sparks taken even a single second train with a sudden risin the sparse taken even a single second longer to reach the powder, the explosion, instead of taking place beneath the ponderous and resistive engine, must have alam every soul in the carriages behind it. Railway recklesaness meets amazing'y often with "the davil's own luck:" it is, indeed, amazing, how the merest and most critical chance so often tempers such fatalities with merciful interposition. We would not advise merciful interposition. We would not advise railway officials to trust too much or too long to such chances, however.—We confers we have a spice enough of uncharitableness in us to rejoice at the continued failure of the returnto rejoice at the continued faithre of the tested suspension on the different lines of railway. Taking the three last weeks before the eventful let of November, the gross passenger receipts on the Great Western were 45.572L 15s. 2d. for the three weeks. The 45,572l. 15s. 2d. for the three weeks. passenger receipts for the three weeks after the lat November were 37,2821. 6s.; showing a falling-off in the passenger traffic alone in these three weeks of 8,2901. 9s. 2d.? and this, too, with 155 miles of additional line brought into productive operation. The whole of this diminution is on the passenger traffic alone, the goods traffic continuing nearly stationary. Again, the Midland Company's traffic for the Again, the Midland Company's traffic for the week before the let of November was 21,446l.; for the week after November 1st, it was 20,822l.; showing a falling-off of 624l. For the three weeks before November 1st, the traffic was 67,692l.; for the three after November 60,212l.; showing a fallingvember 1st, it was 60,313l.; showing a fallingoff, on the three weeks, of 7,3797.1 Thus it is clear that the railways will get less money out that the railways are for travelling; and "the of the increased cost of travelling; and public," as the Gloucester Journal remarks, may now, we think, confidently reckon on a return to the system which worked well-not only for the public, but for the companies them-selves." Yet such stupid and obvious miscalcu-

^{*} This list has been forwarded to us by seven different