### PUBLIC HEALTH ACT,

(11 & 12 Vict., Cap. 63.)

#### REPORT

TO THE

# GENERAL BOARD OF HEALTH

ON A

### PRELIMINARY INQUIRY

INTO THE SEWERAGE, DRAINAGE, AND SUPPLY OF WATER, AND THE SANITARY CONDITION OF THE INHABITANTS

OF THE TOWN OF

### BATTLE,

IN THE COUNTY OF SUSSEX.

BY EDWARD CRESY, Esq. C.E., SUPERINTENDING INSPECTOR.



LONDON:

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1850.

### NOTIFICATION.

The General Board of Health hereby give notice, in terms of section 9th of the Public Health Act, that on or before the 18th day of 9th of the Public Health Act, that on or before the 18th day of of the publication and deposit hereof, written statements may be forwarded to the Board with respect to any matter contained in or omitted from the accompanying Report on the Sewerage, Drainage, and Supply of Water, and the Sanitary Condition of the Inhabitants of the Town of Battle, in the County of Sussex, or with respect to the Town of Battle, in the County of Sussex, or with respect to the Town of Battle.

By order of the Board, Henny Austin, Secretary.

Gwydyr House, Whitehall, 24th Dec mber, 1850.

## PUBLIC HEALTH ACT (11 & 12 Vict., cap. 63).

Report to the General Board of Health on a Preliminary Inquiry into the Sewerage, Drainage, and Supply of Water, and the Sanitary Condition of the Inhabitants of the Town of Battle, in the County of Sussex. By Edward Cresy, Esq., Superintending Inspector.

### MY LORDS AND GENTLEMEN,

A PETITION signed by fifty of the most respectable rated inhabitants of the parish of Battle, being considerably more than a tenth of those rated to the relief of the poor within the same parish, having been presented to your Honourable Board, praying that a Superintending Inspector might make inquiry and examination, with a view to the application of the said Act, &c., I had the honour to receive instructions to attend to the same. Due notices were therefore given, and the necessary advertisements inserted in the public journals. I opened the inquiry at the George Inn, at 10 o'clock, on Friday, the 7th June, 1850, and continued it for the six following days, during which time I have to acknowledge the assistance of the Rev. Mr. Whistler; Mr. Kell, the coroner; Mr. Underwood, surgeon; Mr. Edward W. H. Holland, surgeon to the Union; Mr. Wellar, Mr. Iansdell, Mr. Tell, Mr. James Laurence, Mr. Porter, Mr. Watts, surgeon, and several other of the most respectable inhabitants.

Geology.—Battle is situated on that anticlinal line of ridge, which commences at Hastings, a little to the east of the town, at Leeness Point, and continues in a series of undulatory ridges to Tonbridge Wells. The whole is composed of the alternating sands, sandstone, and clay, which form the central group of the Wealden Beds, and which are better known under the name of the Hastings Sands, as they consist of numerous beds of sand, sandstone, grit, fullers' earth, marl, shale, &c., in descending order; the Horsted sands emerge from beneath the Weald clay, under them are the Tilgate beds, then the Worth sands, under the blue clay of the Tilgate beds, which at Worth, near Crawley, is quarried for building: this Worth sandstone occupies the middle of the cliff at Hastings.

and clay; they are ferrugenious, and contain rich, argillaceous iron ore, and large masses of lignite. are composed of alternations of sand, friable sandstone, shale, Beneath the Worth stone are the Ashburnham beds, which

with shales, layers of grit, in which are several specimens of Under these beds are strata of shelly limestone, alternating

carbonized vegetables.

clinal ridge, but oblique to it, at an angle of about 44 degrees; the strata usually running from east to west, and dipping The strike of the Hastings sands is not parallel to the anti-

near Winchelsea: this stream rises near Mountfield. direction to Brede, and is eventually discharged into the sea, takes its course by Sedlescombe, afterwards in an easterly two natural drains: one by the river, north of the town, that This ridge, upon which the town of Battle is placed, has

and after being joined by several small streams, is with them discharged at Bulverhythe, on the western boundary of the The other runs south by the powder-mills, Crowhurst, &c.,

affects vegetation, but absolutely penetrates brick walls, though Battle, carry with them saline particles, occasioned by the town and port of Hastings. beating of the spray against the beach; and which not only CLIMATE, &c .- The winds for several miles more inland than

The old timbered houses, placed in low and sequestered situations, not so subject to this influence, preserve their duracovered with Roman cement or blue lias composition. winds from the coast. The climate generally may be considered mild and favourable to vegetation. bility, resisting the attack of the moisture brought by the

the greater part of the parishes of Watlington and Battle, and a small portion of the parish of Sedlescombe. The Hundred of Battle extends over 9,480 acres; it comprises

west, and those of Netherfield and Henhurst on the north. As called upon to serve as jurymen; and the court-leet of the the hundred of Battle is a franchise, the inhabitants are not Baldslow and Nenfield on the south, that of Netherfield on the lord of the manor appoints the coroner and his officers. Staple and Baldslow bound it on the east, the hundred of

burnham, and Catsfield, on the south by Crowhurst, and on the the north by Whatlington, on the west by Penshurst, Ash-The Purish contains 7,880 acres of land; it is bounded on

east by Westfield.

borough of Senlac, or Sang Lac, from its comprising that part of the field of battle where the greatest slaughter took place; land, or Hethefield. There are two manors, one called the portion of the hundred of Hailesalted, and was called Hethe-Previous to the battle of Hastings, this parish formed a

reckoned his forces. the other, Telham or Tellman, where, as tradition says, William

bloody lake alluded to. Lake, and all ancient documents show it to be portions of the The eastern termination of the principal street is called the

reign, Battaile began to assume its present dimensions. dowed by the Conqueror; and about the second year of his monastery of St. Martin of Battaile was established and en-After the victory over Harold and his Saxon forces, the

emption from episcopal jurisdiction, freedom from all taxes and services, the right of free warren, treasure-trove, inquest, cution. queror, nine by the son, William the Second, twenty-eight by Henry the First, two by Stephen, eight by Henry the Second, one by Richard the First, two by John, two by Henry the had also the power of pardoning any felon on his way to exe-&c., and sanctuary in cases of murders and homicide: the abbot 1244. The privileges granted by these charters were the ex-Third, and one by his brother, the Earl of Cornwall, about Among the abbey charters, are thirteen granted by the Con-

register, and a liber in situ, which gives information upon several points connected with the town, the market, and the fair, which was held here for three days at St. Martin's tide. Besides the cartulary of the abbey, there is a chronicle, a

water-courses, as the town has no local Act for its direction. At present, the parish authorities attend to the roads and

The nett, ditto The gross rental of the parish is £9,484 14 8,409 15

in the pound is sufficient to maintain them in their present there are 10 miles of public road, and, in general, a rate of 6d. ROADS AND STREETS.—In the parish it is estimated, that

alleys and streets not being paved, the whole runs on the There are, in too many instances, a perfect neglect in collecting the water which falls from the roofs, and in consequence of the cient width to obtain anything like a free circulation of air. each other so nearly as not to admit of a thoroughfare of suffirear for the purposes of ventilation, and the fronts approach been erected, or stables converted into dwellings where drainage would be difficult; and where, in consequence of the narrowness of the land, windows cannot be obtained in their gardens, at the backs of the houses in the pricipal street, or in be carried up on one or both sides of it. In several of the a width at least equal to the height of the houses intended to or road were laid out for the purpose of building, that the the yards once appertaining to the inns, rows of cottages have level should be taken with greater regard to drainage, and of It would be advisable in future, that before any new street

surface of a retentive soil, keeping it wet for a considerable

The footways, at present, are paved by the owners of the houses which abut upon them, consequently a variety of material is employed for the purpose, and no uniform width or level is maintained. Opposite the two or three principal shops, York squared paving, is laid down, and adjoining, probably is coarse stone, obtained from the forest ridge, precisely in the state it was brought from the quarry. Bricks and small state it was brought from the quarry. Bricks and small small houses or cottages, there is no footway, properly speaking small houses or cottages, there is no footway, properly speaking.

out maintained as it ought to be. The court-yards and alleys, pleases, which is swept at no particular time, or is it throughtains the footway in front of the premises he occupies as he scanty supply of the element required; each inhabitant mainwould be difficult in the summer months, as there is a very or watered, and to effect the latter, which is the most important, that the streets or foot pavements are regularly swept, cleansed, quently, in a very defective condition as regards the means of though not numerous, are seldom cleansed, and are, conseand favourable to a low rate of mortality, but typhoid and refuse: the natural advantages of this town are considerable, providing for the removal of decaying vegetable or animal matters having been retained too close to the dwellings of the other maladies have arisen here in consequence of putrescent poor, from the want of a proper supply of wholesome water, and thorough ventilation in some of the overcrowded habita-SURFACE CLEANSING OF THE STREETS.—There is no evidence

ble matter which is brought out of the house is thrown into a classes; all the decomposing and putrescent animal and vegetaor noxious refuse from the houses and gardens of the poorer &c .- There are no provisions for the removal of any offensive young, who are often left to amuse themselves for hours around sionally come into contact with it, and more particularly the fluence is not less injurious to the health of those who occaing, and no immediate effects are discoverable, its constant inthe domestic refuse is deposited some distance from the dwellthe production of febrile epidemics, and though occasionally pool, around which is engendered an atmosphere favourable to one of these poisonous receptacles where malaria is generated, effects incapable of exerting themselves or repelling its morbid existence, and rendering them by its lowering and depressing ing its baneful effects amidst those who are not conscious of its the principles of which are imperceptible to the senses, scatter-PLACES FOR THE COLLECTION AND DEPOSIT OF DUST, SOIL, There is no subject more important than that of pre-

vailing upon the proprietors of small tenements to make the necessary arrangements for the removal of all these pestilential impurities, which not only destroy the well-being of their tenants, but cause them to fall into habits of uncleanness and neglect of the premises, which it is their duty to maintain in a proper condition. Measles and small-pox in such situations seem to have created a location in many towns, which it is afterwards difficult to overcome or finally remove; and it is universally admitted that all epidemics are increased in intensity wherever the air is affected by such pestilential effluvia; how necessary it appears, then, for us to mitigate the evils which render our atmosphere insalubrious, although it is not always in our power to avoid the consequences which our variable climate may produce.

Gas Lighting.—The works for the manufacture of gas are situated eastward of the town. The inhabitants pay from 6s. to 14s. per 1,000 cubic feet, according to the quantity consumed. If 4,000,000 cubic feet, or three times the quantity now used, were required, the manufacturer stated he could supply it at the rate of 4s per 1,000 cubic feet.

the Abbey buildings, and probably the towns' people, formerly obtained their supply. Upon examination, which could only stand-pipes or venters, placed in a 13-inch lead pipe conducts the water up hill and down, for standing 5 feet in depth; from one of these covered chambers, spring, over which are two vaulted coverings, the water the present occupier of Loose Farm, to a clear and limpid conducted water from a farm at Loose, which lies upon higher buildings; but there being a tradition that a pipe formerly any other water, than that from the roofs of the surrounding appearance of any pipe or conduits, by which it received which evidently, has been the source from whence the whole of At the back of the present stable is a large tank or reservoir without so important an element for health and convenience tity; yet it is well-known that no such establishments were would cost a considerable sum to obtain it in sufficient quansupply it at the rate of 4s. per 1,000 cubic feet. considerable quantity of water. construction of the Abbey, and where there appears to be a half a mile to Rose hill; during the course, there are several the valley, and about a mile south of the town, we were led by ground than the Abbey, an examination was continued across be partial in consequence of its being covered, there was no foundation of the Abbey; and the King was assured, that it throughout the whole of this district, at the time of the the ancient quarries, from whence the stone was dug for the positions to produce a constant flow. The pipe passes through PRESENT WATER SUPPLY.—There was a deficiency of water the most advantageous

On Rose-hill, the 12-inch pipe is discontinued; but a

1504 males, among which were 761 under 20 years

1535 females

and about Loose Farm. branch, conducts the water at present into a house, now occupied by the ex-sovereign of Portugal, Don Miguel. This supply of water was once derived from the sandstone rocks in of the town, and there can be little doubt, that an abundant most probably stood on the site of the reservoir alluded to. and his successor, Sir Thomas Webster; which fountain membered about it; but that it delivered water with sufficient main conduit pipe. At what time it was cut off from the many years ago, and the probability is, he had permission house was constructed by Mr. Worge, solicitor to the abbey, Rose-hill is considerably above the level of the high street Abbey is not known, nor is there any other circumstance reforce, to supply a fountain, in the time of Sir Anthony Browne the owners of the estates to draw his supply from the

water, to constantly supply two covered reservoirs, whence the the two windmills are placed, there is a sufficient quantity of inhabitants fetch it, when their wells fail, as is frequently the On the hill at the north-west extremity of the town, where

water throughout the year, for which many of the inhabitants The well at the George Inn, and some others, also afford

afforded for a gathering-ground; and in all probability, each quarter of the town, has its peculiar supply, which would, in some degree, account for the variety of depths in the the rising and sinking so frequent, that but a limited area is the wells, and their variable depths; the crust of the forest to the stratification; the cracks and fissures are so numerous, ridge, is so much broken, as to give no decided or regular dip In the visitation of the town, mention is made of most of

supplied from the surface drainage, and which, at times of draught, are resorted to by the inhabitants. The "deep and dangerous," on the road to the Union house, is one of the largest. There are a few ponds in the neighbourhood of the town,

steining or from the kerb, being decayed, admit a considerable it becomes freed from most of the unhealthy ingredients it a soil is composed of pervious strata, water passing through some, and give it the oxygen it had been deprived of. organic matter; this impure water does not reach the spring, quantity of the surface water, sometimes highly charged with takes from the surface. by percolating the soil, which would render it clear and whole-The wells in general, from the imperfect state of their

MORTALITY. - In the year 1841, it appears that the parish

Upwards of 20 years of age, 743 males and 765 females.

to each house, as an average number. 522 inhabited, and 42 uninhabited, we may give 5.8 persons As the houses enumerated at the same period amounted to

of the whole district; I in 10 was the proportion of deaths of infants under one year, to the births; I in 425 died from district; I in 31 was the proportion of births to the population 61, was the proportion of deaths to the population of the whole 38,673; the total deaths 629; total births 1,234. Battle; the population of which, in 1841 was estimated at The registration district comprises Rye, Hastings, and

epidemic diseases.

The average age of all who died in the district was 32·1

And the average age of all who died above 20 years was

deaths, at each interval of death, to the total deaths: The following table exhibits the proportion per cent, of

99	33	3 3	, ,	33	,,	Between	. 9 9	9.9	9.9	Under
and	and	and	and	40 and 50	and	and	20 ,,	15 ,,	5	, l year
9	3 3	9	3	3 3	,,	years				
5.6								,42.1	35.1	19.1

as follows :from the 1st January, 1843, to the 31st December, 1849, was The number of births and deaths in the parish of Battle,

62	20	40	2	00	1		
	00	63	7.	50	52	66	Deaths .
112	119	102	109	106	97	101	Births .
1849	1848	1847	1846	1845	1844	5567	

since the last census, and which is reported to be the fact, the deaths for the entire parish amount to about 20.5 in every The average mortality for the last seven years, is 62%, and taking the population at 3,040, which admits of no increase 1,000 of the inhabitants annually, or 1 in 48, whilst the

for each 25 of the entire population; whilst I in 34 was the proportion of births, is 121 for the seven years, or one birth proportion for the entire county was 1 in 54. proportion for the entire county, The average

parish of Battle, as in other districts, and we have also a dif-The tendency to premature death, is not so great in the

ferent development of the prolific qualities.

The births in ditto The deaths in Manchester were 1 in 28
The births in ditto

Whilst in Battle.

The births The deaths are 1 in 34 1 in 48

ventilation, would have increased both the mortality and the not found their way here, or the back courts with their scanty not be brought up to the average standard of the county, by water, being provided for it. proper drainage and by an abundant supply of wholesome The vice and misery of a manufacturing population have but there is no reason whatever, why Battle should

The mean annual mortality for Sussex, as computed by

Mr. Rickman, was as follows :-

1822 to 1831, 1811 to 1822, 1801 to 1811, one person in 502 573 64

are in the town, and rated as follows:-Houses,—In the entire parish there are 562, 260 of which

107 houses, rated at 51, and under 31 from 25l. to 30l. from 15l. to 20l. from 10l. to 15l. from 201. to 251. from 5l. to 10l. from 30l. and upwards.

Houses in the country districts and cottages, amount to 302,

260

making a total of 562.

as on the western side; 55 on the north-east side, westward houses of Battle, since the time that the abbey was founded, is evident on referring to the "Liber in Situ," which has been thoroughly examined by Mr. John Vidler, who states that at side of the present street. Thirty-one of these are described that period there were 115 houses, arranged as now on each the opposite side, under the abbey walls. the same side of the road, eastward from the church; 14 on from the church, these constituted the middle borough; 15 on That there has not been a very considerable increase in the

> covering: the whole construction is precisely similar to what dab lies a fine coat of plaster, applied only as an ornamental an endurance of six or seven centuries, that is, no mortar or in some degree, accounts for the soundness of the timber, after neighbourhood; and another peculiarity is observable which, and new fronted, yet there is sufficient remaining to identify with tile; the chimneys are spacious, and placed in the middle either nails or iron; they are put together in the same manner we see in Germany, and particularly in Saxony, at the present the spaces between the timber. On the face of this wattle and covers both sides of the laths, or wattle-work, which closes in lime has been used for the plastering, but a finely-beat loam foundations are thick, and formed of the sandstone of the the account we find in the "Liber in Situ." Several of the of the dwellings: although some of them have been modernized been carefully avoided; the roofs are true pitch, and covered as the timbers of a vessel, and soft, or sap-wood, seems to have they are constructed of oak timber of the finest growth, without The houses in general bear the marks of great antiquity;

ings on the ground-floor are large and sufficient to thoroughly ventilate the whole apartment. The hearth, 7 or 8 feet long, warmed air was excluded as well as the means for escape of well to have remembered that a quantity of wholesomely our ideas of comfort, but on closing it up it would have been more perfect examples of ventilation than do these old houses; gather round the embers, and as the fire was seldom quite and of half that dimension in width, allowed the inmates to that already vitiated in the apartment. -true that the large open fire-place is not consonant with before it could enter the dwelling; nor is it possible to exhibit extinct, the cold air descending the flue would be warmed The chimneys usually have three or four flues; their open-

and conducted the rain-water away from the foundations. of a watercourse, which received the droppings from the eaves, ago; and as these houses were built singly or in pairs, there was sufficient space between two blocks for the pavement chambers above, in the same condition as they were centuries as a farm-house, has its original kitchen, pantry, staircase, and were almonries; one at the western part of the town, now used The last houses, or those at the extremity of the streets

into which the pluvial waters were conducted originally to be garden, the southern and northern boundaries of which ran abbey wall, was a considerable depth of ground, used as a cipal street, with the exception of those abutting upon the respective frontages. throughout the entire length of the town, parallel with their Behind the whole of the houses, on both sides of the prin-At the foot of these walls was a ditch,

hythe, that on the north into the river at or near Winchelsea. carried away, that on the south side to discharge at Bulver-

garden a privy and bog-hole, besides a small cesspool, both of which are complained of as intolerable nuisances. The soil is not, however, sufficiently retentive to prevent the liquid matter cesspools of the dwellings. Each house has in its back yard or sewers to convey away what is discharged from the sinks or from occasionally disappearing by percolation. Drainage at Present.—There is a total absence of any

often neighbours to the pigsties and dungheaps, and the water The wells and pumps scattered throughout the town are

contaminated by what runs from them.

and where an opportunity is afforded them to throw a dam across one of the ditches, which will pen back the drainage; it mulation, to spread over their gardens at each successive crop, value of the nightsoil is understood fully by the cottagers, who, that the whole area in time has received the drainage. The to form cesspools, and when filled others have been opened, so invariably, within a few feet of their back doors, have an accubourhood. is invariably done, much to the annoyance of an entire neigh-In many situations the gardens have had holes sunk in them

the subject to the following effect:the town, that it produces fevers of the most fatal kind, and his duty to address the Chairman of the Board of Guardians on Mr. Edward W. H. Holland, the surgeon to the Union, felt it last July so many of the inhabitants suffered from it, So great is the accumulation of matter in the ditches around

sanitary, to investigate the drainage and sewerage of Battle, a town typhus, and its various modifications, through the entire locality in to the action of a powerful sun, which, by evaporation, disseminates those uncombined gaseous products which emanate from various gerthe innocent equally with the guilty. As the spread of civilization increases, so does the cultivation of the soil, enhancing the value of the violation of these laws proves a fruitful source of disease, affecting gulating cleanliness, gives rise to infection, and experience shows that sent cases, a stupendous infraction both of a moral as well as natural abounding in filthy deposits, and exemplifying both, by past and pre-Chairman of the Board of Guardians, a board alike economical and which they are situated. If such be the case, I appeal to you, Sir, as minating ponds and viaducts of fæcal matter, expressly constructed for conveying noxious refuse into reservoirs, whose surface is exposed "It is an established axiom that the neglect of the natural laws re-

out; and after each house has been provided with water, on the to provide house-drains and sinks of a proper quality throughcharged, it must be evident that there is an absolute necessity From the above observations, which are by no means over-

> the annoyance of any inhabitant as it is at present. longer affect the salubrity of the district, or be penned up to duits, conveying away all drainage to a point where it can no and water closets adopted, pipe sewers, or underground conconstant supply system, then all cesspools may be superseded,

VISITATION THROUGHOUT THE TOWN. - At the south-east

solicitor's offices, they indicated damp, and without an effectual angle of the churchyard the ground has so accumulated from drainage to discharge the soakage water from the churchyard these buildings cannot be rendered healthy. house. level with the meeting bar of the sash of Messrs. Ellman's the number of interments that the surface is now nearly on a Upon examining the rooms, which are now used as

Mr. Frederick Ellman, and the pump in the rear is permitted to be used by the inhabitants of the cottages situated farther Beyond Messrs. Ellman's offices is the dwelling-house of

2s. each per week, have only one badly-constructed privy for the use of all that inhabit them. Five cottages on the same side of the way, which are let for

overflowing of the surface drains frequently finds its way over the floors from the back to the front, saturating the entire area with sewage water. road, and often producing an atmosphere that is not only disagreeable but unhealthy. Several of the foundations have the mortar between the brick courses entirely washed out, and the has several houses with drains running under them into the The Lower Lake, through which passes the road to Hastings,

and it will be necessary to take up the pavement, and remove of the brick floors, the whole area was saturated by the soakage, and child have both died in consequence. Upon examination at the back on ground higher than its foundations, and the overflowings pass over the floors of his living rooms. Fever the infected earth after the drainage is complete. has seldom been long absent from this locality, and the wife George King inhabits a house which has a privy and pigsties

overflowings to sap the foundations surface drain has been provided, it is ineffective, allowing the a similar condition, and at times are inundated by the drainage liquids through the houses into the high road, and wherever a in their rear. The pigsties and sinks pour all their surplus The cottages on the bank, at the side of the road, are all in

structed drains. Against the north wall is an open receptacle the midst of several cesspools, and without any properly conbut that the value of the sullage obtained was considerable, for two large pigsties and a privy, the owner of which, Vidler, said that she never experienced any smell from them, On the opposite side of the road the prison is situated, in

and she would be sorry to be obliged to remove it. Here is the evidence of the mischief arising from allowing any open ponds to be made to intercept the drainage, which, situated in a neighbourhood of cottages, cannot but change the condition of the atmosphere, and often absolutely poison it, as was observed by several persons occupying the houses adjoining. The prison, though small, has several of these ponds of filth under its very walls. The natural drainage is towards the ponds of the Abbey Park, which formerly served for the supply of fish.

The Old Workhouse has been sold, and converted into several tenements. "Here," Mr. E. Holland observed, "Typhus fever had prevailed to an alarming extent. White, Matthews, and two children had died of typhus, as well as several other persons." An open ditch, which has no outlet, receives all that runs from a tan-yard on the opposite side of the road, which is frequently very offensive; in heavy rains this is disturbed and washed away over the adjoining low grounds.

The National and Langton Schools, lately constructed in Marl-lane, at a cost of about 800L, comprises two rooms about 36 feet by 18 feet, with a master's house between them. At present there are 70 girls and 80 boys in attendance. At the back the premises are confined, which occasions the privies to be placed too close to the school-rooms; and as there is no supply of water, they are at times very offensive. At a short distance is a pond, the water of which is undrinkable, in consequence of several runs of foul matter into it.

matter of other collections on the premises into a pond in the garden, where a tile drain discharges it at a certain height into ment, though it has undergone several changes. On examinwhere the road turns off to Hastings, is an ancient establishmatter, which was poured into it from a cesspool or dungheap on highly discoloured, and to contain a vast quantity of organic ing the water from a well in the washhouse it was found to be strong iron ring, secured to a large stone, and fixed to the an open space, where the market was formerly held. The the gateway which conducts to the Abbey, in front of which is abut almost upon the Abbey walls, between the Chequers and in the rear of the prison already mentioned. Several houses the outside of the building, and there are runs from the liquid ground, was used to tether the bull which was baited here for the ditches which lead to the ponds in the Abbey Park, passing the amusement of the inhabitants. The Chequers Inn, at the east end of the principal street,

The old house, called the Almonry, is near the Abbey wall, and only separated by a path to the powder-mills, now occupied by several tenants. The first family is Frank Butler's, behind which are two cottages, weather-boarded on the outside, occupied by Jenner and Hayward. They each pay 1s. 6d. per

week, and are badly ventilated, there being no windows in the rear. Pigsties and open cesspools close to the houses, discharging by fetid ditches into the George Meadow, are much complained of from the smells which arise.

Most of the families here obtain water from a well, close to the abbey wall, where it rises to within a few feet from the surface, at the present time not more than seven feet; the depth is very considerable: at the side is the public footpath.

The Almonry is an old timbered house, covered with tiles, and under that part of the roof which is in the occupation of James Jenner, several pigs are kept; and where Ashton Tongs has his rooms, both pigs and privy are highly offensive. The three families who reside here, Mr. E. Holland states, have all had fever; on examining the cellar, it was found to be in a dirty condition, a receptacle for filth of all kinds, and most offensive: how different the state of this old mansion when occupied by the steward of the wealthy Abbey, placed in the midst of a spacious well-cultivated garden, occupied by one family, and surrounded by a healthy atmosphere, instead of the pollution which now lies at the very threshold.

The three cottages, in the occupation of Bannister, Hayler, and Inskipp, have within a few feet of them open and fœtid cosspools, and the privies in a bad condition: there is an uncovered drain to carry off the surplus to the ditch in the George

Kenward's yard, formerly the New Inn, and an extensive establishment before the railway destroyed the ordinary traffic on this road; the stables and other buildings are now converted into cottages; five of them have no windows in the rear, and consequently no thorough ventilation.

The well which supplies these seven cottages is about 30 feet to water, and the supply is stated to be never failing.

In a house at the back, now occupied by Thomas Stevens, a privy adjoins the dwelling: the inhabitants have been frequently attacked with fever.

Miss Freeland's house has a privy abutting upon the seven cottages in Kenward's-yard, on which it acts very injuriously.

The well here is 25 feet to water, and within 5 feet of the privy; on examining the steining, it is evident that at times the foul water from the cesspool oozes through, and the water is not then in a state for domestic purposes.

Mr. Kenward has in his garden a spacious covered cesspool,

that receives the drainage from several houses.

Mr. Gausden, the butcher, has a slaughter-house in the rear, which is much complained of; on one side is a copper, into which the offal is thrown to be boiled, and the stench which arises from the fumes that escape is an annoyance to the whole neighbourhood. Adjoining is a large stye, and several pigs

were feeding upon flesh. In front was a heap of foul and fætid matter, 15 feet square or more, together producing an intolerable stench.

yard is diluted and carried away into the ditches of the meadow After and during heavy rains, much of the contents of this

at the back of the George.

are on the north side of the street. public drain made across the high road, and through the passage between Mr. Ticehurst's and Mr. Flint's, whose houses of Mr. Gausden. The two privies, which adjoin a building part of this property has its drainage conducted away by the formerly used as a bakehouse, are in a bad condition; some heap, which the neighbours say is very offensive to them at all Star Inn, Mr. Davis, the new stable has at the end a dung-

considerable change in the building to prevent such incondivided among two or several tenants, it is impossible without supplies Mr. Dobell with water. When large houses are submises adjoining the Star Inn: here the privy and cesspool are in a bad condition; the right of cleansing them is continued through premises belonging to Mr. Shaw, whose pump also Mr. Dobell, the pastry-cook and confectioner, has the pre-

places before it enters the sewer, which crosses the road level of the floor, and badly constructed; it leaks in several workshop occasionally, The drain is considerably above the house; the cellar which fronts the street is made use of as a Mr. Shaw's drains pass into the cesspool of the last-mentionec

veniences.

The foundations are composed of soft sandstone, and in con-sequence are never dry. The privies, which are at the backs of this and several adjoining houses, are emptied usually twice

the road; the privy is out of condition, and is a subject of complaint in the neighbourhood. The water is obtained from a-year, at the cost of 8s. or 10s. each time.

The Lion Inn., W. Leney, has its drainage conducted across a well, 57 feet deep, and stands at this present time 24 feet from the surface.

Mr. Burgess's house, on the north side of the street. brewery, the drainage from which is also across the road, under In the garden is a large vault or storehouse for beer, and a

Mr. Underwood, the surgeon's house, has, besides its own

occasionally very disagreeable. drains, those of two others passing through it into an open passage which leads to the drain in front; these drains are

drains are covered, as are the cesspools into which they dismost perfect order, and cleanliness prevails everywhere. Mr. Lawrence's house and premises are maintained in the

> carry away all surplus waters into the open ditch of the George a covered cesspool at the back, and properly constructed drains Messrs. Walker and Soanes, smiths, premises drain also into

and add to the mischief complained of. soveral houses discharge into this common receptacle of filth, mentioned, the whole area around is polluted. The drains of against the wall which separates these premises from the lastheaps of dung and offal, of the most offensive kind, laying Mr. Gausden's, the butcher. As there are several pigsties,

is a privy in a bad condition: it is frequently cleaned out, at is 35 feet to water; and adjoining almost to the infant school Mr. Marchant has a well at the back of his premises, which

the cost of 20s. annually.

north side of the town. 54 feet deep, and 23 to water. From these premises the drains the character of containing the best water in the town; it is back, the other crosses the road, and continues its course to the take two opposite directions, one towards the meadow at the George Inn. The well here is much resorted to, as having

wash-house, and the expense of cleaning it out is about 20s. annually. The water which is pumped here is good, but of a which drain into the George-yard; the privy abuts upon the John Lester, fly-keeper, has a school-room on his premises,

hard quality.

water; the drains of these premises pass into the George-yard; Mr. Johnston, grocer, has a well 62 feet deep, and 32 to Mr. Rose Hilder's drains discharge into those of George-yard.

the privies are in a bad condition, and when the cesspools overflow, the wash is towards the George meadow at the back.

cottages, which have no openings at the back; three privies are used by the occupants. The drains and cesspool connected construction they were found very defective: in the house occuwith them are much complained of, and upon examining their used by the occupants. old stables converted into habitations, the entire soil should be condition; and before cottages are suffered to be erected, or with every means to maintain the air and water in a healthy on the surface; at times the stench arising from them is un-bearable to the 50 inhabitants of the place. Where so many siderable number of horses, lies very flat, and the drains are an ill-ventilated house, standing on an impure and unwholethese precautions are rarely observed, and the consequence is removed for some depth, and drains laid below the foundations; families reside, it is of the utmost importance to provide them The yard, which once belonged to a carrier, who kept a conpied by Mrs. Burton, six persons were attacked with fever Mr. Purhs, plumber, has at the back of his dwelling eight

some site, which it is afterwards difficult to remedy or im-

just described, which adds to the inconvenience already complained of. Mr. Taylor, baker, drains through the adjoining premises

already described as so offensive. through the bakehouse, discharge into Mr. Park's cesspool Mrs. Hyland, milliner's, house: the drains, after passing

in proper repair. surface-drain, always giving out unpleasant odours, and seldom tenements, and which have one common, though imperfect Here are several houses which have been divided into small

Mr. Beam, carpenter, has a deep well; there are two privies

in a most offensive state, quite full.

offensive state. These three-roomed cottages let for 2s. 9d. and a slaughter-house, with several pigs, and privies in a most Fever, of course, is rarely absent from such a neighbourhood. per week each, although they are contiguous to so much filth. E. Mankelow Freeland, butcher: at the back are five cottages

Mr. Flint's house unoccupied; adjoining is Mr. Ford's, where

the water in the well is not drinkable.

Skipton-lane, where the two cottages belonging to Mr. Flint Mr. Martin, the solicitor's premises, drain into the ditch of

of the way have their drainage in the direction of the meadow, at nearly the whole of those we have described on the same side side; that on the west receives the drainage of the old Almonry the Powder-mills, which eventually discharge at Bulverhythe. the back of the George, the watercourses of which run towards This is the last house on the south side of the main street; Eastern, the shoemaker, also drain into one of these ditches. that was situated at this end of the town; the pigsties of Mr. The footpath, or Skipton-lane, has a ditch or channel on each

five cottages on the bank, all of which are without surface-Beyond the Almonry is Watch Oak, where there are four or

drains or water supply.

that in the public well, below the meadow, in which the windmills are situated. yard, in which is a well 41 feet deep, of the same quality as house now subdivided, and the garden converted into a timber-On the north side of the Lewes and London-road is a large

house the whole of the drains pass to the high road, and when and in consequence of the two privies and pigsties of the Wellington public-house abutting upon them, these tenants are frequently much inconvenienced. Through Mr. Moore's washthey overflow the cellar is under water. Mr. Moore and J. Lansdell occupy parts of the old mansion,

> road into the ditches of Skipton lane, and pass away to the The Wellington and Mr. Inskipp's premises drain across the

their privies and cesspools near the dwellings, and though fre-Mr. Elphick's, Mr. Ford's, and Mr. Walker's premises have

quently cleaned are very disagreeable.

lington and Rye, the privy of which is too close to the road. Mr. Dunn has the house at the corner of the road to What-

disagreeable nuisance. The whole of this district has been visited by fevers, and most of the houses about this corner of dwelling of Mr. Samuel Slatter, and from its state is a most the road are deemed unhealthy. The blacksmith's forge has a similar privy, which adjoins the

The backs of the houses occupied by Carrich and Holman,

there are pigsties and privies adjoining, which not being mainglaziers, &c., are all in an improper and unhealthy condition;

tained properly are very offensive.

Mr. E. Pilleam, the baker, has no other water than what he that discharges in the direction of Rye. their natural drainage into the ditches, which join the river fetches from the public well; the houses of this quarter have

and the several houses occupied by Robertson, Richardson, the cellar of Richardson's house; this at times is very offensive Wren, and Miss Noakes, have one common drain passing under Mr. Colgate, the linendraper, has a drain across the road,

and described as unbearable.

use of one privy here, and it is seldom maintained properly. tions, has suffered much from low fever. Seven families make to several of these open drains which pass near the founda-Mrs. Homeward, who lives in a weatherboarded house close

ward's house, who complained of the injury he sustained during the other side this privy adjoins the pantry of Mr. Homeschool or vestry-room, it is quite full and very offensive. On The Baptist chapel has a privy adjoining one angle of the

warm weather. Zion Chapel has at the back a pool of fetid water, and in

front and back a small burial-ground

the front court adjoining the road. The Unitarian Chapel: the only place for interments is in

double well of good water, which is reputed to be softer than The six cottages beyond have, at the top of the garden, a

others in the town. others that discharge in the direction of Rye. public well, all drain across the road into the ditch, which joins These, as well as Mr. Kell's house, which is nearest to the

the two windmills there is evidence of an abundant supply of water stands in the well at six feet from the surface. All round Beyond, on the Whatlington-road, is Cal-bec-hill, where

where the water has only to be drawn eight feet. Mr. Flint, the grocer, at the side of the road, is another well,

no doubt, benefited, belongs to Mr. Comfort. agreeable and poisonous emanations. The meadow which is, nuisance; the open footid pool is constantly giving out disof a dam thrown across it to stop the sullage, is a considerable has a ditch within five feet of the back which, in consequence Mr. Robert Watts, cottager, on the other side of the road,

very much crowded, and surrounded with pigsties and privies James Lansdale's house, now divided into eight dwellings, is

in a bad state. There is no water supply.

from the dwellings. depth, and the privies and cesspools are removed farther away back of Stephen Everest's house the gardens have considerable 15 houses, which are by no means in a good condition. At the Between this last mentioned and the High street, are about

towards the whole of the gardens and houses of the town. evaporation, and the smells which arise are driven by the winds a very retentive character, and scarcely any percolation through and east, following in general the dip of the strata, which Mr. north side of the high street runs off in the direction of north Glazier; the water, which is derived from a pump, is described as sometimes very bad. The drainage of the whole of the were occupied by Drury, Palmer, Sadler, Comfort, jun., and sible to point out a more disagreeable receptacle than this. and feetid ditch which bounds the gardens on the north side of E. Holland states is north-east. The soil is marl and clay, of Fever was prevailing in the five houses near Comfort's, which fever to all the inhabitants within its influence. the town, and which is justly complained of as productive of At Jumes Comfort's garden commences the open, stagmant, All that runs upon the surface is consequently exposed to It is not pos-

offensive ditch, almost in the middle of its length; the well water is affected by it, or by the privy, which is close to the High-street.-Mr. Sergeant's garden, is crossed by the

agreeable arrangement, without adopting a system of back yards, it is scarcely practicable to make a wholesome and ground occur at the backs of the houses, or confined courtand by a covered drain is continued to the termination of the ment the matter in progress along this open and disagreeable sewer; in Mr. Farra's garden the ditch has a sudden turn, brickwork. In such situations, where narrow slips of garden longing to Mr. Bunkar, is very offensive, draining through the garden, where it is again exposed at the bottom of Mr. Holland's garden. Here, a privy of the adjoining premises, be-The houses here all drain in this direction, and serve to aug-

> cesspool, usually placed on the boundary-wall, cannot but be ceases to be a place, wherein to breathe a pure and wholesome upon the air, if it does not entirely poison it. The garden drainage, aided by an abundant supply of water. The privy atmosphere, nor can it be made what it ought to be, without is never free from smell, and at all times acts prejudicially injurious to the neighbours, and though constantly cleaned, it means are provided, carrying away under ground all that possibly can contaminate either the soil or the water.

common drain, under Mr. Denyer's house, which is a source another. In several cases, defective drains pass from one house to Mr. Farra, Mr. Langley, and some others, have a

of constant annoyance.

pigsties abound; these with privies close to the dwellings, are injurious to the health of the occupants; the drainage is all on the surface, passing along the passages to the great Denyer's Yard, comprises six or more small cottages, where

cannot occupy his house; the drain passes under the kitchen, proceeds under Mr. Ward's premises, Mr. Tell's, and Mr. Welblack ditch already described. sewers, the effluvia of which is described as intolerable, also could devise had been practised, to cure the evil, but it is in lar's. In addition to this imperfect drainage, one of the town Ray, then through Mr. E. Holland's, the surgeon, who at times charge thoroughly and uniformly the entire sewage of the cleansing appertains. vain, until some comprehensive plan can be adopted, to dishe attributed to the state of the drainage; every means he gentleman had four cases of typhus in his own family, which passes under Mr. E. Holland's buildings, and this medical from houses on the opposite side of the street, and it is scarcely known what is discharged by them, or to whom the right of town. Mr. Burgess has a drain under the back parlour of Mrs. Premises of several individuals are crossed with drains

make a separate outlet into the town ditch, and close up every aperture and communication with the original; the smell which proceeded from it being at all times so very offensive. In Mr. Ward's premises, the drain of so many houses is

desirous of maintaining a pure air around them, it was not astonishing to learn from Mr. E. Holland, that three daughters all attacked with typhus fever last year. and three of Mr. Slatter's, in addition to his own four, were of Mr. Eldridge, three children of Mr. Burgess, the tinman by some of the most respectable inhabitants, who are most Upon examining this peculiar quarter of the town, occupied

ences of the ditch referred to. Besides these cases, Mr. G. King The back fronts of all these dwellings are within the influ-

had five of his family similarly attacked, and in Johnson's Yard, a whole family (Burton's) suffered from malignant

The drains from Mr. Robert Watts, Mr. Burgess, Mr. Ray, posed as far as Mr. Ticehurst's garden. ditch at the bottom, where all the feetid matter is again exproceed across Mr. Slatter's, by a culverted drain, into the drains all meet, and at half way down Mr. Wellar's garden, municate with the town ditch, which passes through Mr. Mr. Ward, Mr. Till, Mr. Wellar, Mr. Slatter, and others, com-Wellar's passage, and at the privy of the last mentioned, the

into the cellars, and at all times oozing out; three deaths from town drain passes under two cottages, frequently discharging Mr. Flint's drains cross Mr. Tiechurst's, and again the

fever occurred here.

their discharge. The houses occupied by Mr. Flint, Mr. Pemble, and Mr. Finden, make use of them, but they all compart of Mr. Ticchurst's premises; but as there is no regular or sufficient supply of water, they are not very effective in plain of the bad state at times of this, their only outlet or Twelve-inch earthen pipes have been made use of to drain

west side of the house. The foundations, in consequence, upon examining the drains, one was observed to pass through side of the town, nearly opposite the Abbey gateway. Here was a case of typhus, during my inspection of the town, and Mr. Young, the solicitor, occupies an ancient house on the were always in a humid state. the body of brickwork of one of the massive chimneys on the

N.

abuts against the wall, threatens its demolition. order, but no individual attention can obviate such annoyances. venience. These premises are maintained in the most perfect very injurious effects, independently of great domestic inconimmediately over one of these drains, producing of course, ditch; those of Messrs. Seely and Parry, Battle Academy, do On the eastern side of the garden, a neighbour's privy, that the same, and at Mr. Watts, the surgeon, the larder window is Wright, Langly, and Martin, all discharge into the open The surface drains of Messrs. Sampson, Vidler, Halfmoon,

matter it contains, to fertilize their gardens, have formed small ponds, or thrown a dam across it, which is highly injurious to open ditch, which commences at the back of Comfort's house. have their drainage towards the south, and into the same Several persons, in its course, by endeavouring to arrest the the health of the town. All the other houses between this and the Deanery-road,

the condition of which requires some amendment; they are in SLAUGHTER-HOUSES .- There are two or three in the town,

> diately decomposed and rendered noxious. unchanged, but when humidity is present they are immeand sugar: in a dry atmosphere the poisons remain a long time upon the animal system as yeast upon liquids containing gluten takes place in one piece of meat is immediately communicated to any that may be within its influence; the morbid virus acts jurious in an economical point of view, for the putrefaction that abattoirs have been for years established, proper rooms are is required to be cut up for sale. A limited space is most inprovided for that purpose sufficiently distant from every chance of contamination and the meat is not removed until it which should prevent a practice so highly injurious to the health of the consumers of these animals. For so small a just grounds of complaint, and the sight of the pigs feeding and several very offensive pigsties: the whole of the inhahung in a purer air. In the large continental towns where affected by every change of atmosphere, if slaughtered and skirts of the town, where drainage and a water-supply could butchers themselves, who would find their meat less readily upon offal was sufficient to show the necessity for supervision bitants within a limited distance of these establishments have be rendered perfect, would be of great advantage to the killing the animals would be found sufficient; this on the outpopulation one slaughterhouse with proper arrangements for the rear of the butchers' shops, and amidst dungheaps, privies

ground it has been used 20 times over during the last 750 ments have been made, and taking the area of the burial century, since which time probably not less than 20,000 interchurch was founded about the commencement of the twelfth although there are three chapels which have small plots of land in which some interments have been permitted. St. Mary's Mary's church), is the chief burial place of the inhabitants, BURIAL GROUNDS .- The churchyard (in which stands St

mains of those previously deposited. and that he has a difficulty to avoid cutting through the repart of the soil which has not been several times disturbed, Mr. Rouse, the sexton, says he cannot open a grave in any

dean's pond, at the south-west angle of the deanery, where Two drains cross the churchyard in the direction of the

is a curious fact in the history of interments, that the body of afterwards several bodies were removed from Waltham Abbey of the Websters. It is said to have been constructed in 1780 which there are 27 coffins principally belonging to the family typhus fever has occurred.

Beneath the chancel of the church is a spacious vault, in church, which had been deposited there previous to 1716. It for the reception of the body of Sir Whistler Webster, but

Harold was taken from the battle field to Waltham, to be buried in the Abbey he had founded, and that the proprietor of the estate where the battle was fought, and on which Harold lost his life, should have disinterred his family at Waltham and re-buried them here.

On examination of the registers of burials in the church, it appeared, that during the seven years ending Christmas 1849, there had been 287 funerals, whilst the deaths by the Registrar's account amounted to 436 for the same time. The baptisms also registered in the church for the same period were 539, whilst 746 had been registered by Mr. F. W. Ticehurst, the Superintendant-Registrar.

## REMEDIAL MEASURES PROPOSED.

WATER-SUPPLY.—To supply each of the 260 houses in the town with 100 gallons of water daily would require 26,000 gallons for the whole, or 9½ millions of gallons annually.

A reservoir, 500 feet in length, 50 feet wide and 10 feet deep, holding 58 days' consumption or more, would cost about 1,250*l*., and the iron mains for distribution 350*l*., altogether 1,600*l*.

In all probability, the entire quantity of water required could be gathered around the two windmills which are situated at a little distance north-west of the town, where there appears to be 50 acres of land that would constitute a good gathering ground; if it is found by boring that the present water-bearing stratum has one regular dip without any fault or fissure, the whole of the water might be collected at one spot, but should that not be the case, then several reservoirs of smaller dimensions might be formed instead of one large one: the stone quarried in the hill would be admirably adapted for their formation, either used with common mortar or puddled with clay.

	 Interest on Capital 94 13 4	$\pounds$ . s. d.	Current Expenses.	260 houses upon an average paying 10s. per annum 180 0 0	Income.	Expenditure	
180 0 0				180		1,600 0 0	J. S. a.
0				0		0	S.
0				0		0	a.

1

Sewers for General Use.—As the town of Battle is built upon a ridge of land, with a fall, both north and south, it will be necessary to provide two or three outfalls for the sewers, one in the direction of the meadow at the back of the George Inn, another in the meadows north of the church, and probably the third near the present gaol; but until an accurate survey

has been made, and the levels taken, it would be impossible to do more than suggest the sites where the sewage waters could be most economically and usefully received, or the probable cost of the sewers.

About 2,000 yards of tubular drain, varying in diameter from 6 inches to 12 inches, would suffice to collect at the backs of the houses whatever was discharged from the water closets or sinks, the cost of which, including the laying, would not amount to more than 1,000*l*.; and supposing this sum to be borrowed for the purpose, and repaid by equal instalments of principal and interest in 30 years, the average annual payment would not exceed 59*l*. 3s. 4d., for which a rate of less than 6d. in the pound, upon the 260 houses, would pay.

The houses rated at 51. per annum would have to pay a sewer-rate of 2s. 6d. annually, for the benefit of a perfect drainage; and when it is considered that the expenses attending the cleansing the cesspools and privies will cease, it must be admitted that there is really economy in maintaining the premises in a cleanly and healthy condition.

Tanks for the collection of sewage water, will, in all probability, be required, at no distant time. The main sewers should, therefore, be laid, so that reservoirs may be constructed to receive it when its value is duly known and appreciated.

Annually about 10,000,000 of gallons could be collected, or 250,000 tons, which, if suffered to remain 24 hours in a reservoir, would yield, by subsidence alone, 200 tons of solid matter, more valuable as a manure than guano, and equally portable.

By adding lime to the sewage water another 200 tons is obtained, which, at 20s. a-ton, would produce 400t., conferring on agriculture a vast benefit, and producing a revenue, which, carefully administered, would defray the entire cost of collecting it and of water supply, so that no rate would be required for either sewers or water.

Another advantage derived from utilizing the sewage is, that after the valuable properties are taken out, the remaining water [170]

may be suffered to pass away in open ditches, no smell or offensive property remaining in it.

The stone of the neighbourhood might be beneficially used for the construction of the manure tanks; the side and end walls, with the arch over, roughly constructed and puddled with clay at the back, would render it sufficiently retentive, and the cost of several such tanks would not amount to a large sum. It must always be remembered that the higher the culture of a district the greater must be the quantity of manure required, and that wherever there is any deficiency there the crops will be diminished.

The liquid excrements of man and animals supply the largest proportion of nitrogen, and the greatest increase in the growth of a crop of corn or hay is obtained exclusively from

that element.

The tanks observed in the several gardens for the collection of sewage waters, and which are exposed to evaporation, are by no means so profitable as they might be if covered over. The ammonia is not retained; and as it is asserted that from every pound evaporated 60 pounds of wheat might be produced, it is truly lamentable that the subject should not be properly studied and understood.

All dung heaps, or receptacles of solid or liquid excrements, should not only be protected from the rain, but also from evaporation, as the first contain the insoluble, and the latter the

When a crop is removed from the soil, the exact proportions or quantity of nitrogen it contains should be returned to the earth to furnish another. That nitrogen contained in the corn consumed in a town should be again collected and carried back to the farm that produced it. The urine of man contains four times as much nitrogen and phosphate as that of a horse, hence

It has been admitted that the liquid and solid excrements of one individual will annually produce 16 pounds of nitrogen, or the quantity found in 800 lbs. of wheat; from the population of the parish of Battle nitrogen might, therefore, be annually obtained to yield what is contained in 5,000 quarters of wheat.

Works to be performed by the Owners of Houses.—The main sewers having been laid down to collect what passes from the several houses in the rear, and to conduct it away from the town, it will be necessary that each owner or occupier should make such changes in his property as will enable him to benefit from what has been performed at the public expense. It will be requisite, in the first place, to fill up the cosspools wherever they exist, and in lieu of the present privy to substitute a four-inch pipe, a water-closet apparatus complete, with stoolcock, double trap with sink, a stoneware kitchen sink, a two-

inch pipe, and a leaden water supply and cocks, the cost of which has been found to vary from 3l. 10s. to 4l. per house.

site in every room where other means of ventilation are unproout to the air pestilential gases; also that fireplaces are requimore persons will be found to hire them, and consequently a where premises are in a condition to assure health and comfort, higher rents and a better class of tenants; for, without doubt, foundations, collections of matter in a putrescent state, giving imperfectly drained, or which has, within a few yards of its aware of the advantages they derive from the occupation of demanded by an owner as a compensation for the expense of system of sewerage. the poorest inhabitants of a town, who are already perfectly better rent will be obtained; the extra 2d. or 3d. per week houses into a sanitary condition, it will be found to produce putting his premises in order would never be refused even by premises well supplied with water and provided with a perfect Experience shows that no habitation can be healthy that is Instead of its being a loss to the owners to put their

24

### ABSTRACT OF EXPENDITURE AND INCOME.

Deduct current expenses— Water-works Sewers	Water	the fight of period (a) the fight	Water-works	ABSTRACT OF EXPENDITURE AND ENCORPER
. 180 0 0 . 75 0 0 £235 0 0	£. s. d. . 180 0 0 . 75 0 0 £ 235 0 0	\$2,600 0 0	£. s. d. 1,600 0 0 1,000 0 0	LIOND AND INCOME.

We may further add here that if the sewage water is ever disposed of to improve the land in the neighbourhood of the town, the value of it, after deducting the expenses of collecting it in tanks, and preparing it in a dry state, will be considerably more than 235*l.*, or quite sufficient to pay the current expenses.

### RECOMMENDATIONS.

As the town of Battle is at present entirely devoid of proper sewers, and its sanitary condition complained of in consequence of the number of cesspools and nuisances scattered

F- 50.0

parish of carnestly recommend its immediate application to the whole to receive the drainage at the backs of the houses without the powers contained in the Public Health Act, I most along the rear fronts of all the houses, and it not being possible to introduce an economical system of main sewers Battle.

qualified persons, who are rated at above 20%, per annum 2. That a Local Board, consisting of nine properly

be established.

water may be discharged easily. able for agricultural purposes, and where the surplus town, and to lead it away to two or three convenient situations where it may, at a future time, be made availbe laid down at the backs of the several houses in the 3. That proper sewers for collecting the sewage water

pipes, proper watercloset basin, sinks with the most efficient means to lead off all sullage and waste water into should empty, cleanse, and fill up all cesspools at present in existence, and be provided with tubular carthonward the main sewers. 4. That every owner or occupier of a house at once

them is not sufficient to allow free ventilation and ample on sites deemed unhealthy, or where the space around 5. That in future no houses or cottages shall be buil

6. To establish one general slaughter-house for the use of the butchers of the town.

in the church or burial-ground around it. dead, and to prevent any more graves being opened either To provide a piece of land for the interment of the

throughout the town. 8. To provide gathering grounds for an abundant supply of pure and wholesome water, to construct reservoirs for its reception, and to lay down mains for its distribution

My Lords and Gentlemen, Your most obedient and faithful Sorvant, I have the honour to be, EDWARD CRESY,

20th August, 1850.

Superintendant Inspector

#### PUBLIC HEALTH ACT

(11 & 12 Vict., Cap. 63.)

#### REPORT

# GENERAL BOARD OF HEALTH

### PRELIMINARY INQUIRY

INTO THE SEWERAGE, DRAINAGE, AND SUPPLY OF WATER, AND THE SANITARY CONDITION OF THE INHABITANTS

OF THE TOWN OF

IN THE COUNTY OF SUSSEX.

BY EDWARD CRESY, Esq. C.E., SUPERINTENDING INSPECTOR.



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