A Sewage Farm.

one of the leading apostles of the the profit account, that the land is numerous veins and masses of

est many of our readers. collected at the works, and, mixed ant point in Dr. Carpenter's excel- (equal to eighteen pans) with a with ashes, is sold to farm- lent scheme. The opponents of rocker, and obtained 22 cents worth ers and market gardeners at irregation declare that it poisons of gold, or about six grains Troy. 2s. 6d. per yard. The liquid sewage | the air of a district. Well, there is | This would be at the rate of 11 cents when it leaves the strainer passes some evidence to the contrary at to the pan, or about \$1,70 per cubic rapidly along an open sewer to the Croydon. Even in summer there yard, but the average of the whole farm, where the stream is so divert. is no offensive effluvia from the flat will be much less than this, aled as to enclose each of the larger sewers or the land. Indeed, the though in some places a few pans fields. The sewer is not exactly on sewage has no time to putrify and of earth can be scraped off the bed a level with the fields, for that become deleterious to health, for it rock that will yield higher results. would lead to involuntary over- is constantly on the move, or being The gold is in small flattened flows, particularly when there is absorbed in Nature's great labora- grains, with very little fine dust much storm water; but sluices are tory; and the luxuriance of the accompanying it, and shows by its fixed at points not far separate, and | wegetation, nettles especially, on | appearance that it has been carried by their action the work of irriga- the banks of the stream act as a far by the action of water, but has tion is carried on. There are sub- perfect deodoriser of the unhealthy most probably been derived from canals, about a foot in breadth, and gases. The process has been long quartz veins in the slates about the about a dozen or fifteen yards apart, enough in operation to show its head-waters of the stream. And stretching from the main sewer effects, and it is noticeable that an my prospecting seems to show a across the fields, and these again orphan school on the very border of general diffusion of small quantities are fitted with sluices, so that, on the farm is one of the very health- of gold over a large area, while the being filled, the sewage can be lest institutions of the kind in Sur- action of the streams has locally gan County, feel delighted with spread over the whole of the soil. rey. As for the town of Croydon | concentrated it in limited channels | their present position and pros-The operation is very simple, and itself the rapid increase of its populand "bars." can be performed by a few out-door lation testifies to the absence of any There is no coal of carboniferous the 4th and 24th would come often laborers without any assistance general fear. The birth-rate of Bed- age, but I saw along the Cheyenne er. Pies, cakes, and candies are from steam or horses. The over- dington in 1872 was 38.65, and the beds of cretaceous lignites, which, passing around freely, and there is flow is permitted to continue for death-rate 13.4. about twelve hours, and then by These foregoing observations have valuable. There are also beds of us. As a people we try to apprecilowering the height of the main been occasioned by a visit paid to clay-iron ore of good quality in the ate our position as a part of the sewer on one side of the field it the farm on Saturday last by about jurassic slates along the western body politic, and as a church and naturally passes off so much of it as fifty gentlemen interested in a base of the hills. Prof. Hayden people we rejoice, and envy none has not become amalgamated with question which is rapidly taking has estimated that nearly one-third who differ from us in opinion, askthe soil) into the lowered sewer. It first place among the vital ques- the whole area is covered with a ing nothing but our constitutional is far from being purified yet, how- tions of the day. Among the visit- heavy growth of pine timber, and I rights, that we may still live and a French woman considers it a priever, and is not only too valuable ors were Earl Fortescue, a san- should judge his estimate to have be happy. Some of us can look vilege, a bit of good fortune, to get to be lost, but too dirty to be itary reformer of a quarter of a been carefully made. It is the back and see what it has cost to a husband, even when he amounts thrown into the river. According- century's standing; Mr. Henry Lee, pinus ponderosa, known generally establish ourselves so far. Nearly to very little. She is almost willing ly, it is passed over other fields less | the well known naturalist, who, as | as Norway pine and yellow pine. thirty years of toll and labor, but | beforehand to support him wholly needful of strong chemical treat- the first of living authorities on The trees are straight, free from O! what a contrast to-day. We or in part for the sake of being ment; and after three or four pro- pisciculture, has a keen interest in limbs for one-half their height, and feel to thank God and take courage "madame." cesses of this kind, it finally all that concerns the purity of our will furnish logs averaging from and continue on our way rejoicing.

miles. But it is now time to say some. everything but the champagne was so great a transverse strength as We have good prospects for an loffended her.

Farm belonging to the Croydon tacle for the sewage. When the appetites had been whetted by the each region are here to be found dences began to seize the dwellers first time on the 14th of last month, 19. in the great metropolis, Croydon the sum received being £7 per assumed proportions that made a acre. The second crop is now grownew drainage system absolutely ing, and will very likely realize imperative. The owners of land on £12 an acre. There is an abundant the banks of the Wandle, a famous demand, the surrounding farmers trout stream, obtained an injunc- being very glad to carry away the tion against its pollution, and there grass in their own carts, and as a rule was no choice between incurring the most of it is sold and consumed or, at all events, rendering innocu- bushels to the acre, and with the carboniferous limestone, almost frequent showers of rain. ous the output of the sewers. This straw gave a return of £22 3s 9d horizontal in its bedding, succeedhas been no uncommon case with per acre; a plot of potatoes fetched ed by sandstones and shales of towns having no direct connection £19 per acre; and a plot of rhubarb, triassic and jurassic age, which, THE TWENTY-FOURTH IN THE with a tidal river, but Croydon has £26 10s 8d per acre. These are sug- containing no valuable minerals, taken a rather uncommon part in gestive figures enough, and it might completely seals forever the older forwarding an enlightened view of be supposed that the Croydon Lo- strata from view. East of the 10th the best possible remedy. The dis- cal Board was carrying on farming meridian, in Dakota, is a great detrict is fortunate in having among operations on a very remunerative velopment of metamorphic slate, its residents Dr. Alfred Carpenter, scale. But there is this drawback to quartzite and granite, containing irrigation theory, who has been rented at the exorbitant figure of quartz, and it is here that the minmost indefatigable in carrying that from £10 to £12 an acre. Sewage farms eral wealth of the Hills is to be theory into actual and, so far as being yet in their infancy, there is a sought for and found, if it exists. Croydon is concerned, into most not unnatural hostility to them in This park country is characterized successful practice. We need not the minds of many people, and Dr. by ridges of granite, gneiss and take space to describe the gradual Carpenter and his colleagues have quartzite, traversing it from north progress of the Sewage Farm under had to encounter this hostility by to south, and alternating with beds make. Dr. Carpenter's management, but paying prohibitive prices for the of softer slates, which have been some facts relative to its present necessary soil to conduct their irri- removed by denudation and procondition are not unlikely to inter- gation operations. Moreover, local duced broad, level swales of grass boards are not as a rule ambitious land between the pine covered hills The Beddington Farm consists of to become high farmers, and that and ridges of the harder rocks. some 500 acres of table land, origin- of Croydon cares more to dispose Numerous veins and segregated ally not very fertile, but well of its sewage without an actual masses of white translucent quartz adapted, from the porous character loss than to demonstrate the full appear traversing the strata in the of the soil, to the purposes of sew- benefits of the system. Farming is direction of the "strike;" often the age irrigation. It is divided into with them merely a means to an quartz is of a beautiful rose-color, some half-dozen or more fields, end. Therefore, it is not surprising and almost invariably shows traces nearly all of which can be irrigated that the pecuniary side of the of mineral matter. In the talcose without the necessity for pumping, question is not so bright as the sci- slate, veins of limonite iron ore, and with comparatively little man- entific side. But, after all, there more or less intermixed with slate ual labor on the part of the farm- may be said to be a clear gain; for and quartz, are occasionally found: servants. The district draining any other method of purifying the but if they contain gold I have been into this area may be estimated as sewage would be more costly in its unable, up to the present time, to containing a population of 60,000 outlay and much less productive in detect it with the means at my dissouls. All the sewers connect with its income. Here, however (and it posal. About fifteen miners have a main drain leading to a filter- is only fair to state the fact), the located claims on the creek here, house some distance away from the cost is greatly reduced by the level built dams and small sluices, but town, and where Latham's strain- character of the country, and it they have no gold to show as the pect to him. ers are in use. The strainer may must be recognized that if there is result of their labors, and the be roughly stated as a kind of mill a margin of loss—that is, loss on the reports they give of the rich- p.m., when all, young and old, en- laconic narration of the circumwheel, turned by the sewage itself, farming account-where no pump- ness of the gravel "bars" are joyed the merry dance under the stances which led to the exodus of and the revolutions of which serve ing is necessary, a town which had greatly exaggerated. They reto remove all hard extraneous mat- to go to the expense of elaborate port from five to 27 cents to the ter and to set free the valuable por- machinery would be in a very much pan; but I selected one of their best tions of the sewage in the form of less encouraging condition. prospecting shafts and washed out

a thick liquid. The solid matter is We have omitted a most import- nine buckets of the average gravel

emerges in a crystaline stream, streams; and Mr. McLagan, the twelve to twenty inches in diame-whose purity will bear very favor- member for Linlithgowshire, who ter, and fifty or more feet in length. But I am forgetting my subject, wiz., our Sunday and day school A Detroit wife refused to speak

The Black Hills.

[Extract from the Report of W. P. Jenney, Geologist of the Black Hills Expedition, June 22.]

on further examination, may prove a good and peaceable feeling among

gation. The Beddington Farm has tion. The bread was from sewage elm and oak along the banks of the ley seems like a paradise, Jack While the problem of how best to a little of all sorts of agricultural wheat, the butcher meat had been eastern streams, and in the ele- Frost and the beautiful snow havdispose of the sewage of great cities produce within its bounds, but the fed on sewage meadows, the vege vated northern portions the pine ing retired a long while back. But is still unsolved, smaller communi- principal crop is Italian rye-grass, tables, the cream, even the straw is partly replaced by a tall, while they lasted, I need not tellties have had more than one success- of which so many as seven or eight berries, were from sewage plots; slender black spruce, used by our memories are refreshened daily ful illustration of a speedy and on crops can be grown in a single year. and to crown all, there were some the Indians for lodge poles. The by the bleaching cattle bones the whole economical distribution It will be apparent that this posses- excellent trout taken from the Wan- flora of the hills is intermediate in around us. of the main fertilizers of the soil. ses a double advantage, since it not dle at the point where the effluent its character between that of the I close with respects to all hands, that of the Beddington Sewage ue, but preserves a constant recep- beautiful stream. The guests, whose Mountains, and plants peculiar to acquaintances. Local Board of Health. Croydon, sewers are swellen by storm water fresh breezes of the Surrey meadows, growing side by side. The soil is as many of our readers are aware, they can be let loose on meadows seemed to have no compunction as rich and deep, and in the bottoms is a considerable township lying which do not require strong treat- to the source of the edibles, and the along the small streams is black some ten miles south of London ment, or on market garden land, writer of this, as one who enjoyed and peaty, often several feet in and draining into the streams which might be injured by the the feast, can testify that after two depth, producing a heavy growth which have their effluence in the more powerful sewage. One of days he exhibits no symptom of of bottom grass, suitable for hay. Thames. Some fifteen years ago, these rye-grass fields was laid down poisoning or indigestion as the re- Along the hillsides, through the the celebration of the 24th day of when the rage for suburban resi- last autumn, and was cut for the sults of it.—Glasgow Herald, June forests, and even on the mountain July, 1847, by the hoisting of flags tops, where the rocks are covered at sunrise, and at 10 a.m. the people by soil, a good growth of excellent assembled under the spacious bowgrass is everywhere to be found, ery, where a procession was formed and the shelter afforded by the woods and deep valleys makes this ett, marshal of the day, in the folcountry admirably adapted for lowing orderstock-raising purposes. Water of excellent quality is abundant; fine West of the 104th meridian and springs are to be found all through heavy Chancery penalties and in its fresh state. A field of wheat south of the 44th parallel of latitude the hills and since I have been in F. W. Hurst. adopting some means of utilising last year produced six quarters six the oldest rock exposed is the great this region we have experienced 3. Twenty-four aged fathers in

COUNTRY.

Pleasant Grove.

July 25th, 1875.

Editor Descret News:

The 24th was celebrated here after the usual manner. The starspangled banner was flung to the breeze at sunrise amid strains ef marched a short distance through martial music, such as Capt. Jos. the principal streets, the brass band Eaton's band of this place only can

The usual exercises commenced of the divisions were very noticeat nine a m. Hon. George Halli- able for beauty and design, especiday, the first speaker, on "Utah as ally the Young Ladies', bearing the it was," was happy in his remarks. inscription, "Beauty Soon Fades, Elder John S. Gleason, one of the but Virtue Lives Forever," with an pioneers, was replete with pleasant artistically executed virgin in the incidents of the trip across the centre, the work of Bro. F. W.

Bishop John Brown and Elder taste and skill. H. Walker, in short speeches, were Arriving at the City Hall the interesting and instructive.

Music, both vocal and instru- H. Martineau, Edwin Curtis, and mental, under the able and effi- George F. Gibbs, the orator of the cient control of Wm.M. Frampton, day, Charles Nibley, Esq., and added charm and pleasantness to other leading citizens were received the exercises that would have been and escorted to the bowery. The appreciated by older cities than congregation being called to order ours. Bro. F. merits the praise of by the marshal after music by the all lovers of music, and it could be band and singing by the choir, said, with truth, that Pleasant prayer was offered by the chaplain, Grove owes its vitality in this res- Bro. Sutton Isaacke, when, after

capacious bowery that had been the Saints from Nauvoo, and the erected for the purpose and decor- subsequent travels of the Pioneers ated with such home productions in search of a home and a restingas were pleasing to the sight and place for the exiled Saints, who affording evidence of our progress, had been mobbed and robbed of Dancing was continued until we their all in a land of liberty and were admonished that the Sabbath | boasted civilization, and concluded was drawing near, and when by admonishing the congregation brought to a close all felt that the to continued devotion and fidelity 28th anniversary of our arrival had to the principles of truth, which been fully commemorated by the alone could save us. citizens of Pleasant Grove.

Marshal, A. Bullock. Chaplain, F. Richards.

Peterson, Wm. M. Frampton, A. Bullock.

> BEN. W. DRIGGS, Reporter.

Croydon.

July 24th, 1875. Editor Deseret News:

The inhabitants of Croydon, Morpects. The children say they wish

thing as to the products of the irri- the direct product of sewage irriga- our Eastern pine. There is a little abundant harvest. Our little val-

Of these one of the best known is only secures a considerable reven- water of the farm mixes with that Mississippi Valley and the Rocky not forgetting some of our very old

JOHN TOONE, Clerk of the Day.

Logan.

July 26th, 1875.

The citizens of Logan observed under the direction of Alvin Crock-

1. Logan brass band.

2. Sunday School children, under

Israel, led by Father Earl. 4. Twenty-four aged mothers, led by Sister Maughan.

5. The Relief Society, led by Mrs. E.G. Benson.

6. Logan choir, led by Prof. Alexander Lewis.

7. Twenty - four Young Ladies, led by Miss Sarah Holden.

8. Twenty - four Young Gentlemen, led by Mr. Orson Smith. 9. Citizens.

The procession, thus formed, discoursing music in the meantime. The several mottoes heading each Hurst, which speaks well for his

committee of arrangements, James singing by the choir, the orator en-The exercises were renewed at 3 tertained the audience with a

Bishop Wm. B. Preston followed in an address, which was replete with interest and instruction, set-Committee of Arrangements, H. ting forth in his usual clear and Walker, Sen., Lewis Harvey, R. In cible manuer the advantages to be obtained by keeping the commandments of God.

> Bro. Moses Thatcher followed in a short discourse, and touched upon many salient points respecting the history of the Latter-day Saints and their enemies since the settlement of the former in these valleys.

After singing by the choir the Temple song, the congregation joining in the chorus, the chaplain dismissed the meeting.

At 2 o'clock the people again as sembled in the bowery and were entertained with songs and comicalities, while others indulged in foot-racing and other amusements common on such occasions.

JAMES A. LEISHMAN.

A Paris correspondent states that

able comparison with a consideral is so well entitled to represent the I have seen some trees along the are having a fine holiday, singing to her husband for several weeks ble portion of the water supply of agriculturist's side of the subject. creek bottoms that were 100 feet in by the chair, prayer by the chap- because he went away to his busi-London. All this has been accom- Dr. Carpenter courteously instruct- height, and two or three feet lain, orations by the brethren, re- ness one merning without kissing plished in a few hours and in a run, ed the party in every detail of the through at the ground. The wood citations by the children, dancing her good-bye. The joke of the zig-zag ways, of some three or four process, and subsequently enter- is soft, straight, but rather coarse- and songs, with a variety of other matter was that the poor man didn't tained them at a luncheon where grained; easily split, but has not amusements common to holidays. know in all that time how he had