

Farmer's Department

GRAVEL-WALL HOUSES

Messrs. Fowler & Wells.—Thinking that my experience in the Gravel-Wall and Octagon mode of building might possibly be of some service to those wishing information on the subject, I have concluded with your permission, to give it as briefly as may be in the columns of the Journal.

I put up, during the last summer, an octagon gravel house two stories high, with sixteen feet sides, making it 128 feet in circumference, and about 39 feet in diameter. There is a cellar under the whole. The height of the cellar wall is seven and a half feet, about two of it being above the ground.

The thickness of the cellar wall is twelve inches, the first story ten inches, upper story eight inches. There is also a partition across the cellar six inches thick, and a large cistern in one corner of the cellar, the walls of which are six inches thick.

I used the Hydraulic Cement or water lime for the whole, as it costs here but a trifle more than quick lime, and is in my opinion much better. It makes a harder, firmer wall, and will, I think, withstand the action of the climate much better.

For the cellar wall and first story I mixed lime and sand in the right proportions for mortar, and then worked in as many small stones as I could, so as to have the mortar cover them.

The sand I used was very coarse, and had in it a slight sprinkling of gravel. It cost me 6 cents per bushel, delivered on the ground. The first two feet of my cellar wall I used three barrels of sand to one of lime, but found this to be about the right proportion, but with fine sand, free from gravel, I think four to one would be about right, if the lime is good.

For the upper story and partition across the cellar cistern, I used gravel taken from the bottom of the cellar, without any sand, using about twelve or fifteen parts of gravel to one of lime.

This was mixed in the cellar and drawn up to the upper story in wheelbarrows, by means of a horse and tackle, and then wheeled round to where it was wanted in the wall.

The cellar wall took 29 barrels of lime and 429 bushels of sand. The first story, 23 barrels of lime and 370 bushels of sand. The upper story, 16 barrels of lime, and gravel as above stated.

I superintended the whole work myself, laying out the stories, putting up the standards, making and putting in the coarse window and door frames, &c., although I do not pretend to be a mechanic.

I had two Irishmen to assist me all the time, with an additional Yankee, a man of some ingenuity, a part of the time. I paid the Irishman a dollar a day, and boarded them, the other man a York shilling an hour, and he boarded himself. I kept a strict account of every item of expense, both of labor and material, including the temporary door and window frames made of hemlock plank, making mortar beds, putting up standards and taking them down again, laying out the different stories, fixing tackle to draw up mortar, use of horse in drawing of mortar, use of box-boarded wheelbarrows, shovels, nails, &c., in short, everything any way connected with putting up the wall; and when the whole was completed, it footed up as follows:

Cost of cellar wall.....\$100 33
Cost of cellar partition..... 15 00
Cost of first story..... 92 34
Cost of second story..... 69 09
Total.....\$276 76

Here we have in round numbers about \$300 for the walls of a two-story house, cellar wall included, each story of which covers an area of about 1200 square feet, as much as a house 30 by 40 feet, and containing a good deal more available room.

Now, the walls of a wooden house of that size, including the cellar wall, built in the ordinary way, of quarry stone, will cost, probably, \$400, or one-third more than this gravel house. But this is so much better than a wooden one, warmer in winter, cooler in summer and far better every way. It will stand, too, just as well as brick.

I have not the least shadow of a doubt. No man need have any fear on that score, if he gets the right materials.

In estimating the expenses of the gravel wall, as compared with other modes of building, one consideration should not be overlooked. Other modes are perfectly familiar to us, and we can adopt the cheapest and easiest plans, but this is entirely new, and we labor under many disadvantages by

NOT BEING FAMILIAR WITH THE PROCESSES.

I am satisfied that with the same persons to help me, I could put on the walls of another house the size of mine, for \$250 or \$300 less.

With regard to the octagon form, I am decidedly in its favor, not because I think it is so much cheaper, for the expense incident to so many angles and corners will about balance the saving of room, but because it can be divided into rooms so much more conveniently. The room is much more compact and convenient, and those closets, of which you can get one to about every room in the house, can not be so easily had in the square form.

And then I think an octagon house, if properly and tastefully finished, looks better than a square one. But of this each one must judge for himself.

PHILANDER KNIGHT, Homer, Cortland, N. Y.—Am. Phrenology Journal.

PALMER HOUSE

S. BARBOUR, Proprietor. Corner of Illinois and Washington Streets, INDIANAPOLIS, IND.

THIS well-known and popular Hotel, has recently been re-built and greatly enlarged by the addition of the Gallery or Veranda rooms, and is furnished throughout with new and beautiful furniture, and is in all respects, a First Class Hotel.

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Improved Clover Hullers, patented in 1854, which are greatly superior to the patent of 1845 being in their construction and greatly patented in all other respects.

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LITTELL'S LIVING AGE

Editorial of Letters from Judge, Chancellor Kent, and others, published in the Living Age, Cambridge, April 27, 1854.

I have read the prospectus with the greatest pleasure and entirely approve the plan. If it can only obtain the public patronage sought, and be published healthily, not only to our country, but to the world, it will contribute in an eminent degree to give a healthy tone to our literature.

I approve very much of the plan of the "Living Age," and if it is conducted with the intelligence, spirit and care that the prospectus indicates, (of which I have no reason to doubt) it will be one of the most instructive and popular periodicals of the day.

W. A. SENSENBRENER, Proprietor and Wholesale Dealer in Havana and Domestic Cigars & Tobacco, SOUTH EAST CORNER FINE & SECOND STS. ST. LOUIS, MO.

W. A. SENSENBRENER, Wholesale Dealer in Groceries and Commission Merchants, Olive and Locust sts. has now in store and receiving the largest and most general stock of Groceries they have ever offered, which they intend to sell at the lowest market rates.

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