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The Farmer's Journal.

NEW MODE OF BUILDING.

The Utica Morning Herald, a journal conducted, in the adjacent State of New York, with great originality and ability, contained in a recent number a description of some new buildings admirably adapted for the subject we find that the materials used lime, stone, and gravel, and the structure itthis continent in 1850, in the State of Wisposed of coarse gravel, sand, and lime.

Mr.Goodrich in pondering on the materials prairies was scarce, and he determined try these materials thus treated and brought lime to adhere to.

constructed of materials so common and so of coarse line should be thrown into the bed. roughly put together would never stand. He and stirred up with water so as to make the met these criticisms in a practical Yankee composition about the consistence of milk. spirit by allowing the objectors to stand To eight harrows of line should be added inside his building and strike with a large sixteen or eighteen barrows of sand, and the sledge hammer as hard as they pleased line, sand, and water should be completely for six cents a blow. He knew that no and rapidly incorporated, by hoeing the conblow from the most powerful man could tents backward and forward. If the sand renburst out his walls, and calculated that the dered the mixture so thick as to prevent the FARM and COUNTRY houses. In looking into trifling sum named would repair all damages, perfect admixture, two or three additional "The Messrs. Fowler of New York, who pails full of water should be added, leaving in the construction of these buildings are saw this plan of building in Wisconsin, it so thin as to follow the men about as they and who were about to build at Fishkill, work the material from side to side. Some self a modification of the plan first used on on the River Hudson, appreciated the cheap-lifteen or twenty minutes would suffice for ness and excellence of Mr. Goodrich's system, this amalgamation, and when completed consin by Mr. Goodrich, of Milton, and com- and proceeded to apply it on a larger scale, several men should be employed in wheeling and to simplify the mode of building the walls, small stones, shells, and chips of slate, to be and to suggest a new, or octagonal form for followed, as the mixing continues, with coarse which nature has provided for the building of building houses, the plans of which we are rubble and other stones, brickbats, and larger human and other habitations, reasoned that allowed to give in this number of our issue to inaterials, dumped in by running the barrow lime stone, and gravel stones, and sand gether with the description and details, which over a board on the bed. Sixty or eighty barabounded almost everywhere, whereas wood will enable the reader to study the system and row loads of these might thus be mixed with in some localities as on the Wisconsin test its value if he thinks proper to do so. the eight barrows of lime, making with the

In selecting the materials used for build-|sand about one hundred barrow loads in all, to try if it was possible to amalgamate ing it is said all that is required is stone and and the sand, line, and stone, well and thorthe first into a building material. Know-lime. The stone requires to be of various oughly mixed would be ready for use. A frame ing that limestone becomes disintegrated by sizes from tolerably fine sand, to stones as or hox of boards is made by nailing two tiers burning, and that it afterwards forms a large as the fist or head, but in addition to of boards, inside and outside, to scantlings cement when slackened with water, mixed sand, oyster shells, brickbats, clinkers, slates, or standards, well braced to render the with materials to which it can adhere, and and any hard substances may be thrown in, all dimensions true, and left within the walls. exposed to the atmosphere, he determined to that is required being something solid for the Three scantlings to a wall of thirty two feet should suffice, and two boards of sixteen

together. He built an academy, the walls The Lime recommended is the coarsest feet long suffice for the outside walls. When of which hardened with age, and then a and commonest kind, such as farmers put the frame is made the building material is blacksmith's shop, and finally a range of upon their lands. The usual mortar bed is thrown in with a shovel or dumped in from stores and dwelling houses. His neighbours made with boards twelve feet wide by six- a barrow, or a barrel worked with a horse and criticised the buildings as they were separ- teen long, with boards eighteen inches high tackle. To give the walls time to harden a ately constructed, and thought that walls all round. Six or eight wheel barrows full second tier of boards are nailed on above, and