the process repented, the nails are then drawn, Shewing $\$ 79$, or less than 200 purrency, People lane hitherto built at right angles, the lower box boards taken off, and nailed in the cost of the shell of a house 256 feet because it cosis so much to frame oller higlier up, and in a few days the upper walls in circumference and 23 feet ligh. may be ready for the floor timbers, but when not huried it is well to take the matter leisurely to obviate any chance of the walls falling while green. To shew the cheapuess and rapidity wilh whieh the sheill of a large hionse may be raised, Mr. Fowler states that he began the building of the house given in the Eugraving on a Friday morning, and finished on Saturday in the week following. He then summoned all hands, calculated each man's labour and time, the cost of materials, and arrived at the following result. excluding the windows, doors, flooring, and roof, which would cost as much as on a brick or stone building :-
Common labor, 44 days at $\$ 12$ per month ......................... $\$ 2000$
Carpenter work................... 700
Mason laying window sills, arches, : and levelling wall,...........
Lime, 250 bush., slacked, at 4 cents per bushel.
Lumber ior standards and top of wall
1,000 bricks for wadow sills and arehes.
Board for hands. . .................
Sand, quarrying stones, nails, horse to haul up, use of boards for tronghs, etc. $\qquad$

The builder: of this house of gravel and lime wall also thinks that the square form is far inferior to the octagon form in respect to the construction, of a house. He suggests that nature's forms are mosily sphericals. and that fruits, ergs, nuts, crains, seeds, \&c.. re made spherical in order that they may en-- lose the most material in the least compass. and as the circle encloses more space than any other form, so the octagon, which ipproximates to the circle, encloses more space Than the square, besides being more convenient, warm and comfortable. He contends that it is more convenient because of the facility for entrauce and exit, and the opportmity afforded by thie shape of the rooms for mat king numerous cupboards, poims of considerable importance in country and farm louses. He also contends that it will be warmer, no unimportant point in a climate 1000 tike our own, because a room in an octagomal 600 honse neecssarily presents only one side to the wind, wherens in a detached square $\$ 77900$

1500 it would obrionsly be more comfortable if it house there are commonly two, sombtines as in a roum running the whole depth of the house three siles exposed to the wind, and vere at the the author thus describes lis own resiwere at the satic time warmer and better dence, of which wo are enabled to present $\$ 7900$ litted with interior conreniences.
the cut: ing; \&e., nud appertains to materials, labor, and everyting required in the construction.

The author thus describes his own resi-
angles, but in the new style of buitding it is. just as casy to build an octagon as a right angle, and the main question to be considered is the point aftirmed by Mr. Fowler, as to whether the oetagon house when built does really contain more space for a given circumfervace of wall than the square house. To illustrate this the huilder makes a diagram, representing a house thirty-two feet square. This square is necessarily 128 feet in circumference, and encloses 1024 spuare feet of space, but an octagon on the rame seale with a circumference of 128 feet eontains 1218 square feet, so that the octagon with the same extent of wall exceeds the square by 19.4 leet, and gives a gain of one fifih in space orer the square, and you have of course the same sized wall tin one fith less mony in the cost, or the shell of a heuse one lifth larger for the same sunt, and as this difierence is saved in the shell, or as it is techrically called the rarcass of the house, so also it is saved in the foumbation, plastering, painting, white wash-

## Total



