## Mural Archietecture.

Roofing Materials for the Farm. NO. 2.

In a previous article under this head we gave some account of Tiles as a permanent roof covering. We now proceed to mention matters of a more temporary nature.

The Celt, in his native place (where, from some reason or another, which it is not the province of this journal to discuss, he reem : obliged to resort to all sorts of shifts), is one of the most primitive of roof builders. Rough poles must, of course, be had for rafters, and these are joined wit rout much symmetry; various matters, such as brush, sticks, and other things of temporary growth, form the material to cross the ratters, the whole being covered with turf sods, which in the moist climate grow more or less together, and form a rude means, though not always effectual. of turning off the water. So far does growth. proceed in this way, that Walter Scott, in some of his works, points out the roof of the cabin of this construction as giving promise a farm homestend in England. Scotland. or surrounding land. Turf and sods, however. In Canada however for Canada however. as a class of covering, will, we think and ! hope, never become a national material in the usual thatch of wheaten straw as an or-Canada.

is, nevertheless, very little better, and certainly not more lasting, being often formed of basswood troughs, split out of small trees. the round side remaining in its natural state. the flat or split side slightly hollowed with the axe, so as to form a continuous channel for the water. These are made of a length equal to the entire breadth of the building they are intended to cover. They are ranged side by side, the round side down, until the surface is covered. Other logs, similarly split and hollowed out, are prepared, and where they grow a great deal of brushwood. are made to cover the interstices of the bot, and manufacture it into hoops for the West with moss to keep out the wind. The upper | sugar barrels with, the hoop shavings and under ones, and they carry it free of the labourers' cottages, and make a very tight building. The troughs form rafter and cov- and lasting, but extremely bizarre and unering in one, and for the time are a most serviccable roof. Being such as the settler himself can make, there is no outley, and inches, and as they can neither be smoothed, they do not require a single nail in the whole nor trimmed a the erves, they look as if the mould, and either can be burned in a kiln of roof. These troughs are, for shanties, or cottages were surmounted by coarse heads very simple construction or with bricks, as buildings with only one slope to the roof. of hair, in most extraordinary confusion, and before described. very popular in the bush, and are constantly | quite disproportioned to the houses. used on the first settlement of new land; but they are not lasting, and seldom remain stance that is not in some way or other used

elm bark; but these are also perishable, and threshed for the covering of dwelling houses, have the double distilyantage of requiring conamental cottages, and other purposes of a a roof frame to support them. Such as they superior nature. Unthreshed straw has the are, however, they are extensively used in heads or ears of the grain cut off, and is then all very new settlements.

Shingles invariably follow in the wake of these expedients; but shingles require lumber or boards on which to lay them, and nails with which to fasten them, all which are serious considerations. The getting of shingles, then, is a question which involves a good deal of thought as well as of exertion.

There is one kind of shingles, called clapboards, which are free from these objections. They are made of oak, and splitinto lengths far greater than ordinary shingles. They are then laid side by side, lapping one auother and breaking joint, and held in their places by a framework placed across them, these may be considered rather a variety than a different species of the shingle roof.

Good pine shingles, well chosen, split; thick, and carefully laid on, have been known; to fast forty years. Twenty years, however, is the general extreme duration of this roof:

The great English, and indeed European succedancum for the other kind of roof coverings is "thatch." and it is difficult to find prove in our agriculture before we can adopt dinary cover for buildings. Straw thatch The first covering to our settlers' houses, denotes a superabundance of the article of straw; and here, unfortunately, we have universally a deficiency of that substance. Still, under most circumstances, it is cheaper than other materials. Thatch is made of every kind of coarse fibrous substance, and its equivalents .- rushes, heath or heather, broom, and even furze -- are all used for the parpose, according to the plenty in which they are found, and the absence of other material, fadeed, in one part of England, tom troughs. The vacant spaces are stuffed India and other tropical trades, to band or reversed troughs conduct the water to the splinters are fastened on the roofs of the graceful covering. They are put on to the thickness of at least fourteen to eighteen

The next Canadian materials are sheets of "threshed." for ordinary purposes, and un-be distinguished from the latter material. bound in bundles for the thatcher. Threshed | the action of our severe frosts.

straw is drawn by the hand from the heap or strawstack, then roughly sorted into untied portions or parcels called called "hands," roughly combed out with a rake, and piled up "alhwart and across," in heaps, well wetled to make it lie close, and finally weighted by placing heavy substances on the top. Here it remains for a few days for the thatcher, and is finally laid on the building without other preparation. The actual method of thatching would take too long to describe in this place, though we may do so in a future article.

Thatching is of two kinds, "over-sparred" loaded in some cases with stones of sufficient, and "under-sparred;" the over-sparred weight to keep them all in their places; but takes the least straw, and is used for ricks and other temporary purposes. It is also used in repairing other thatch. Undersparred thatch is used for permanent roofs.

The chief objection to thatch in Canada will always be, danger from fire. It is, where there are many sparks or chimneys, they wash away. rather than either rot or and where all use fires so extensively as we use them here, a very dangerous roof. It is, however, very warm and effective.

In some places in England, where building materials are dear and straw is cheap, the walls bear a most ridiculous proportion to the roof. Barns are often seen with a dwarf wall of from four to six feet high, and then a monstrous roof, reaching, perhaps. from twenty to thirty feet high, and with a great span. The celebrated "Tithing Barns," near Goodwood Park, South Hants, England, are of this nature, and similar buildings are often seen.

The same preponderance of roof over wall is also seen to a great extent in the low countries of Europe, such as Holland. The roofs are of tiles (of course supported by reeds, brush of all kinds when fine enough, timber), and are often six times the height of the wells.

> Slates are the next principal roofing material, but they will for many years be too dear for farm buildings. There is no doubt that slates form one of the best roofs in the world, and as we are yearly making new discoveries in the geological formation of Canada, slates may yet become a most important aid to the

> Tiles, however, are likely to form the farmer's mainstay. Draining tiles we must have; and where they make drain tiles they can make roofing tiles with a mere change of

In England, many buildings are "tile-There is no kind of common "stalky sub. bung," that is, walls of inferior materials are covered with tiles to keep off the weather, water-light for more than five or six years, for thatch in Britain, but the chief article, as like our clap boards, or shaped and formed we said before, is wheat straw. This is used like bricks, when the buildings can hardly

We are not certain that for this climate tiles may not be found more serviceable than even slates, which are very apt to split by