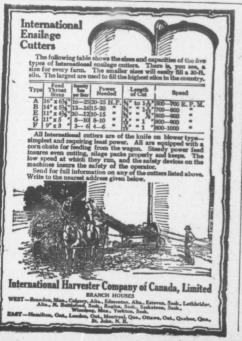
even ground





## Building a Stack to Shed Water

A Minute Description of an Art We Have Lost. By John Counie

N stacking grain the first requisite is clean, dry ground, and under no circumstance should a stack be built on fith of any kind. Level ground is preferable to aloping, for there is always a tendency for a stack to act to settle down hill, when built on un-

Begin the stack in the same manner Begin the stack in the same manner as brilding a round shock, setting the sheaves close together and as straight sheaves close together and as atraight app as possible, gradually allowing the britts of the sheaves to slope out-wards, but even the outside row should be sufficiently urgish that the grain cannot reach the ground and thus nervent any loss.

grain cannot reach the ground and thus prevent any toes. Round stacks are preferable to ricks, as, in case of rain, they are more easily protected from injury while in course of erection, and it is much easier for the pitcher to place the sheaves close to the stacker on a round stack than on the rick. ound stack should not be more than twenty feet in diameter and a ten-foot pole can be used to get the size of the foundation, or by walking around close to the butts of the sheaves twenty steps, a yard each, will be practically twenty feet in diameter.

Work on the Knees. Stacking should be done on the knees, a piece of old, heavy cloth be-ing fastened over the knees to save the overalls and protect the skin.

With the right size for the foundation secured, build the outside course, keeping the butts of the sheaves even with those on the ground, and with this course complete lay a second course, the butts of the sheaves to the band of the outside course, all sheaves pressed closely together and firmly packed by the weight of the body on the knees.
Continue in like manner until the

center of the stack is reached, packing it full and jumping on the sheaves with the feet to insure a high center in the stack when fully settled grain stack properly built should be like a saucer inverted, highest in the center and the slope to the outside just as steep as it can be made and just as steep as it can be made and at the same time prevent the sheaves from slipping off the stack. In fact, with a well-built stack, the outside course of sheaves is only held in place by the inside rows of sheaves and in threshing when the inner-courses are removed, the outside course will at times slip and fall from the stack. While is a sure inficiation the stack. This is a sure indication of a well-built stack and should it rain continuously for a month a stack built in this manner will shed water equal to the best shingle roof. After standing in the shock the

After standing in the shock the butts of sheaves are slanting, this condition the result of the heads being pressed together, and in laying the outside course of the body of the stack the long side of the sheaf should be laid towards the stacker, overlapping the short side of the pre-ceding sheaf, thus insuring an even surface on the outside.

The Head of the Stack,

When drawing in to make the head of the stack, the long side of the sheaf should be placed down and the short side on top, which aids mate-rially in giving a slant on the head

and assists in shedding rain. For rapid work by the stacker and to prevent overstretching, much will depend upon the ability and skill of the pitcher, as a good pitcher will toss every sheaf so that the butt will lie forward of the stacker, the band close to his right hand, that the sheaf may be readily grasped, laid in place and the stacker crawling forward on his knees presses the sheaf closely in

In stacking on a side hill after the foundation is laid, extra courses should be built on the low side of the stack to bring it above the level to allow for settling. Each one of these courses on the low side should be followed by a full course on the entire stack as a binder.

No rule can be given as to the number of extra courses required, this depending upon the slope of the ground, care being taken to keep the stack leaning somewhat up hill that when fully settled it will be standing practically plumb on the ground.

Bulge Not Generally Advisable.

While a slight bulge in the body of White a slight burge in the body of a stack when properly built gives a somewhat artistic appearance to the stack it is not essential, and too often it is a positive injury. With the heart of the stack kept full and well rounded as it should be, from that to finish there is absent a state. finish, there is always a tendency for the outside course to alip out, and often when there is a swell in stack, the heart has been kept flat to prevent slipping, and the stack settles the heads and sheaves are either on a level the butts, or perhaps tipping down an invitation for water to enter every time it rains. With the heart kept full and the sheaves packed closely together there will be a tendency to spread out, without any effort to make a bulge, or swell, in the body of the stack, and care must be taken to keep the outside nearly plumb, with only a little swell, otherwise the stack will get too large to afford a steep head which is absolutely necessary to insure a dry stack, during a heavy, shing rain.

The whole art of success in stack ing is to keep the sheaves from start to finish, in as nearly an upright posttion from the outside to center, as it is possible to hold them from slipping off the stack altogether. It means work to build a stack in this manner and it is much easier to lay the sheaves loosely, keeping the stack about level instead of low on the outside and high in the middle, and this fact is the main reason why so few farmers fail to succeed in building a grain stack that will shed water, while if the work is properly done water will not enter the stack when fully settled. It is better to have a steep head on the stack and a lower body than to have a high body and a flat head, but it is only by actual erperience that the height of the body can be determined.

Medium Height Preferable.

A medium height is preferable, as it is difficult to pitch sheaves to the top of a high stack, for there are few men at the present time who can stand with their back to a stack and pitch a sheaf over their head in such manner that the stacker when finish

ing the stack can readily grasp it.

The stack should be finished standing on a ladder and the feet should never be thrust into the head of the stack making holes for water to ea-

A good raking down with garden rake from top to bottom after a few days' settling and early in the morning when the butts of the sheaves are damp with the night's dew will aid materially in shedding the heaviest rainfall.

This work will require a twenty-foot ladder on which to stand, the same as used in finishing the stack, and if a few forkfuls of long, green grass can be secured to top out the stack sheaves will be saved equally as well as those in the body of the stack. In the absence of grass or hay break a couple of sheaves, place on top as in capping a round shock, and secure by hangers to prevent their being blown off by a heavy wind.

Stacks built as here indicated will turn water equal to a good roof, and if allowed to stand six weeks or two months before threshing the grain will have gone through the sweating process and be in far better condition than if threshed from the shock and the sweating is done in the bin



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Trade Increases the VOL. XXXVII

TOW, when you stop you have better cov ago? Have you do the production of your h 4,500-lb. cow, do you res minute you made the c ally reduce the cost of of milk from 20 to 22 pe cow producing the small much roughage and requ

care as the other cow.
grain cost are practical!
I will tell you briefly w why I did it. I was force to decrease the cost of not increase the price for go out of the dairy busi

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some that were not as goo

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see what that means in cas 56 cents a can would amou ference on the 8 cows of 1 I want to show you what after ten years' work. The were a lesson to me. I has to study and find out what

cows averaged 192 cans of

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