

CATALOG . . . OF

FARM BUILDING SUPPLIES



THE METAL SHINGLE & SIDING CO. LTD

PRESTON, MONTREAL, TORONTO
WINNIPEG, SASKATOON, CALGARY

Catalogue
of
**FARM BUILDING
SUPPLIES**
and
**METAL FARM
EQUIPMENT**



The Metal Shingle and Siding Co. Limited

Head Office: PRESTON, ONT.

MONTREAL, TORONTO, WINNIPEG
SASKATOON CALGARY

Associated with A. B. Ormsby & Co., Limited, Toronto

Will the farmer hold back ?

Many a farmer, and many a business man, is making the mistake of unwise economy or conservatism in his business policies.

At first thought, it might appear that the farmer should "sit tight." Farm produce is high. So is everything else. To many it seems the part of wisdom to sell as much as possible and buy as little as possible.

In the matter of household or living expenses strict economy is of course commendable. Always good sense, it now becomes a patriotic duty to be thrifty and avoid waste.

But, in business, a totally different situation exists. Economy in so far as it saves needless expense, has always been good business. But holding back investment in equipment that is needed to produce goods never has been wise, and to-day is wholly without excuse.

This is a message to farmers. It is written because farmers, who of all classes of business men have the greatest responsibilities, are the slowest to make those improvements in their plants that are needed for greater production.

We have seen farms where buildings have been burnt, and the farmers are waiting for cheaper materials before replacing them. We have seen farms where the buildings are in poor repair and crops are partly spoiled, because the farmer is waiting for cheaper materials before he will make the necessary repairs. We have seen farmers trying to work increased acreage without the necessary machinery or the necessary buildings to house the increased crop and stock.

If all business men adopted the same policy this country would be turned upside down. In place of the present business prosperity, we would be face to face with ruin. The need of the hour is for extra food, and the world will pay enough for it to finance all the equipment needed to produce it. So, in other lines of work, men are producing goods to help farmers to produce more food. Regardless of conditions, regardless of the price of raw materials, regardless of the labor problems, production must be increased. It is a patriotic duty and it is profitable.

The Government asks the farmer for still greater production. Let us leave aside the satisfaction that must come from serving the country in a crisis, and view it as a business proposition.

To make the farm pay, to be ahead at the end of the year, you must produce a certain quantity of crops. Everything over that quantity adds greatly to your wealth. If you succeed in increasing your crops, particularly when prices are high, you have a big surplus to put in the bank when the crops are sold. For the extra bushels are ALL PROFIT.

You can, therefore, figure that any investments you make in machines or buildings are very rapidly paid for by the extra production. They stand, then, as an addition to the value of the farm. They help you to make more money year after year.

To postpone the investment which is needed now cannot be excused on any sound grounds. The opportunity to make the extra, huge profits may never be so good again. NOW is the time to make the unusual demand for food pay for the permanent improvement of the farm.

And there never was a time when farm produce would buy so much building material. Although prices of materials seem high, they are ACTUALLY CHEAP to the farmer.

Take as an instance an implement building which we supply for \$259. When this is written, 117 bushels of wheat will pay for it. In 1914 the same building would have cost 224 bushels of wheat. Note how this works out:

Implement Building priced at \$259	Value in Wheat	Value in Potatoes
In 1914	224 bushels	336 bushels
In 1918	117 bushels	170 bushels

From this, it must be clear that the farm never was better able to finance its improvements than it is to-day. And there is no reason to expect any great reduction in building materials during the next two or three years. The present indication is an increase rather than a reduction.

With this in view, we urge the farmers of Canada, in all earnestness, to purchase those machines that they need, to spare no expense in improving their land, to keep their buildings in repair. For we firmly believe that such a course is sound, and will bring to the man who follows it greater and continued prosperity.

C. DOLPH,
President

The Steel Truss Barn



THE idea which made such a success of the Steel Truss Barn was this. We aimed to help the farmer to build the best type of barn at a fair price. Hundreds of practical men know how much time we saved them, how much worry, how much money. They know that we studied their needs and went to the greatest pains to be of real and valuable service to them.

To-day, the man with buildings to erect needs more practical assistance than he ever did. We know it well. We know the difficulties that war conditions have brought about. And we are just as ready to help; to stand shoulder to shoulder with the farmer and help him to get the most for his money; to save him costly labor; to place our brains and our organization in his hands to use in his building operations.

In the past, we have generally supplied all the lumber and timber used in the Preston Steel Truss Barn. We are still prepared to do this. But we advise every farmer who has standing timber to cut what he needs for his barn. This will save money, help the labor shortage and so serve the Empire in a practical way. Rough elm and ash logs will provide good strong girders, joists, cross sills, etc., and save expensive hemlock. Even if there is not enough to complete the whole barn, what there is should be taken out.

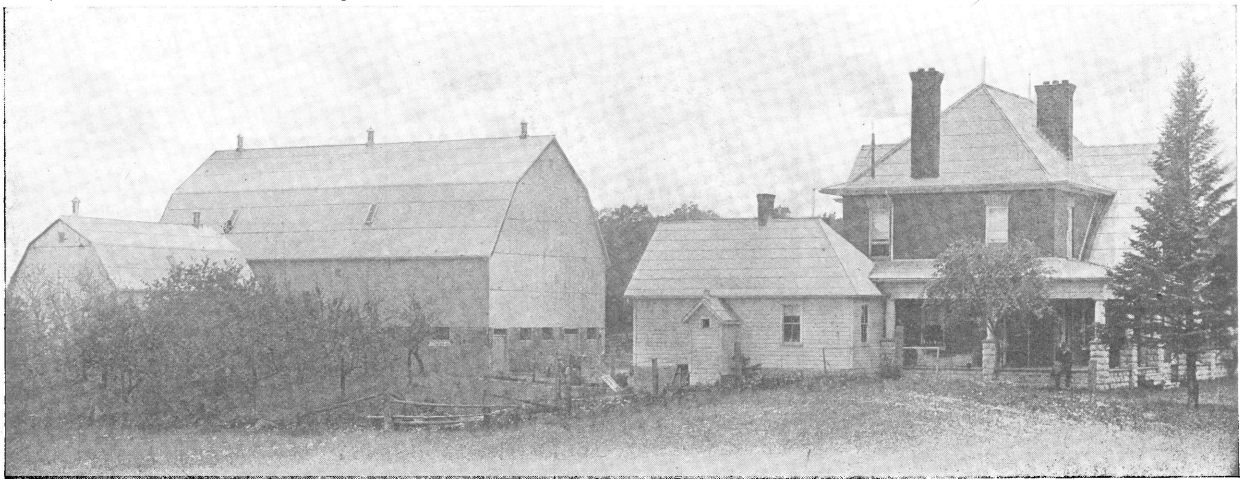
To use up this lumber and any other lumber that may be on hand is the first consideration. If there is not enough, we can supply the balance. Once the farmer has our plans for his building and the lumber list we supply he can check off his own supply and see what more is needed. Of course, under our building plan there is no need for the heavy timbers that used to go into the old-style frame of the barn. It will, therefore, take much less time to get out the timber and save lumber that would be valuable for other purposes.

The first thing is to get plans from us and see what lumber will have to be cut. Then it will be a simple thing to learn the exact cost of a Preston Steel Truss Barn. We are not anxious to supply materials that the farmer can perhaps supply just as well himself, but we do want to help him by showing exactly what to do. We can also be of great help in figuring the cost down to the last cent of every bit of hardware and all the materials needed to complete the barn.

There is, perhaps, no need to explain how much time is saved in erecting barns under the Preston Steel Truss patents. But it should be remembered in estimating the cost of barn-building.

Our plans and advice are given without charge. We also supply a very fine book on barns that every farmer should have. Without obligating yourself in any way you may write our barn department and avail yourself of our expert assistance.

PUT A BARN LIKE THIS ON YOUR FARM

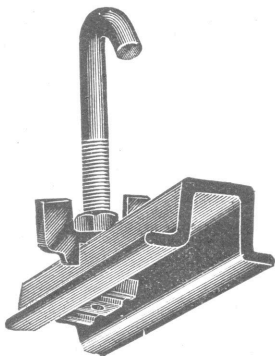


This fine set of buildings belongs to Thos. Curtis, of Verulam. There is every sign of prosperity here. Mr. Curtis buys only the best of everything, and makes it a point to get all modern conveniences. His Steel Truss Barns are part of his valuable equipment. They are his farm factory and he makes them pay.

HAY AND GRAIN EQUIPMENT

Preston Steel Truss Barns have complete unloading equipment which is partly shown at Figure 15. This illustration gives a good idea of the carriage and trip. Hay can be run in to the mow at any height. This is a great advantage of the Steel Truss patent form of building. There are no beams to interfere with mowing away.

HEAVY SINGLE RAIL TRACK shown at Figure 16 is used in our barns.



Hay Carriage Track.

The best possible track for this purpose. It is secured to brackets at every rafter and will sustain the heavy loads of hay and grain which you will put on your hay fork or sling.

THE LONG CENTRE TRIP SLINGS supplied with this equipment will clean off a load in two or three drafts. They have self-binding pulleys and operate more easily than any other slings made. See Figure 17.

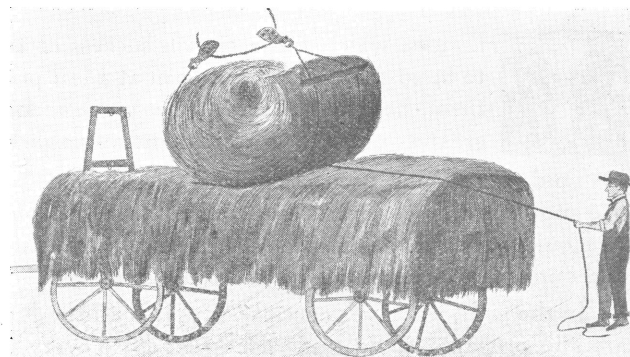


Fig. 17

With the Steel Truss Barn we supply everything needed except the rope. We can also supply this equipment to suit any barn. If you send us the length of your barn and the position of the drive floor, we can quote you a price on the equipment you need.

Brampton, R.R. No. 3, Ont.
 I had one of your Steel Truss Barns erected last summer. It is 42 ft. x 72 ft. on 16-ft. posts, and I can say I am highly pleased with it—lots of room inside, no beams to come in contact with when unloading. It is so well put together I think it is impossible for any wind to move it. The men you sent me were certainly A1 mechanics, and were nice fellows to have around.
 It seems as if you are not building at all when your barn goes up without a large raising bee. Not only that, but one feels he has something to be proud of when he has a nice steel barn, and the manufacturer has something he might well be proud of, too.
 Wishing you all kinds of success in your business.

I am yours truly, W. J. Graham.

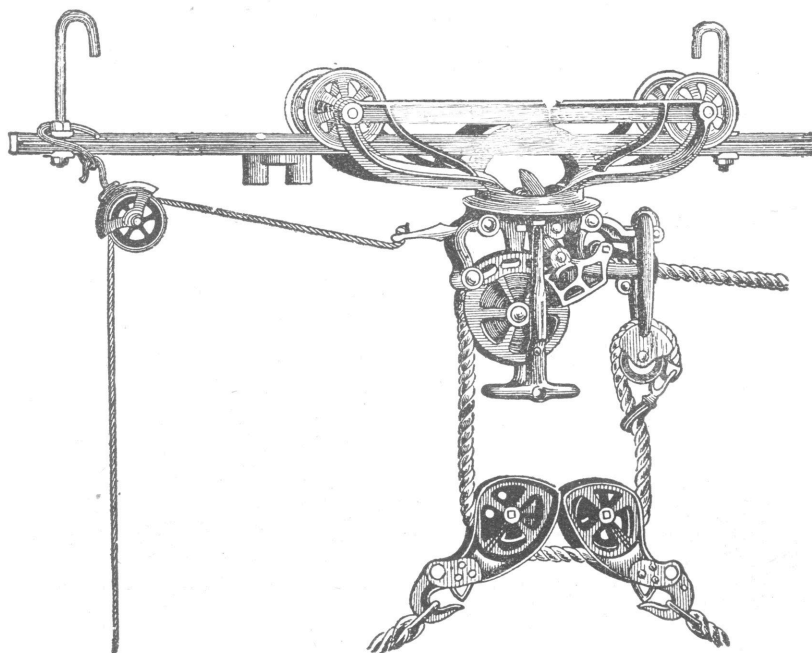


Fig. 15

The heavy double-acting swivel carriage that we supply with our barns. This car will operate with slings or fork and can be run back into the mow without raising the forkful to the track. Strong, easy running and thoroughly up-to-date.

Streetsville, R.R. No. 2, Ont.

I am perfectly delighted with my new Steel Truss Barn. I think I have the best barn in the country, as it is perfect from bottom to top. I am very much struck on the appearance of the barn, with the imitation of lap siding which you used, and also with the ventilation system which you have.

I am particularly struck with the inside of it, as it is so handy to put your crop into, and also I think it will hold one-third more than the ordinary old frame barns. I also think it is stronger than a frame barn.

I was delighted with the service which you gave me, as five men erected the barn complete in twelve days. I would highly recommend the Steel Truss Barn to any person intending building a new barn.

I remain as ever, yours truly,

T. M. E. McCracken

IS COOL FOR WORKING

Perry Station, Ont.

Am delighted with the barn. Find it more spacious than wooden barns and more convenient because of no cross beams. See no necessity of cross beams. It is not as some think, a warm barn, but on account of ventilating plan is a cool barn. We would want no other kind.

The service given by the company was extraordinary.

Yours respectfully,

Christian Sider
 (Per M.P.S.)

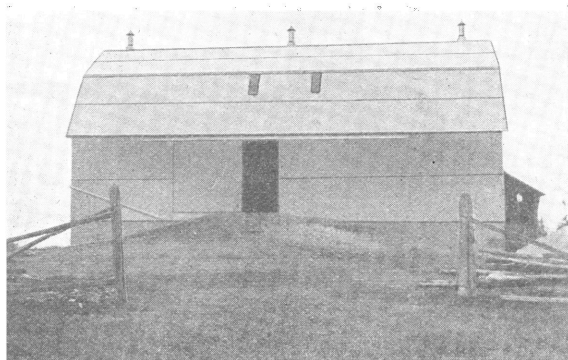


Fig. 3

Alex. Tait lives at Malvern, Ont., and if you should ask any one out that way where Mr. Tait lives, you will get this answer: "You can't miss his place—he has a fine big Steel Truss Barn," and if you should ask Mr. Tait about his barn, he will tell you that it is the best type that can be built.

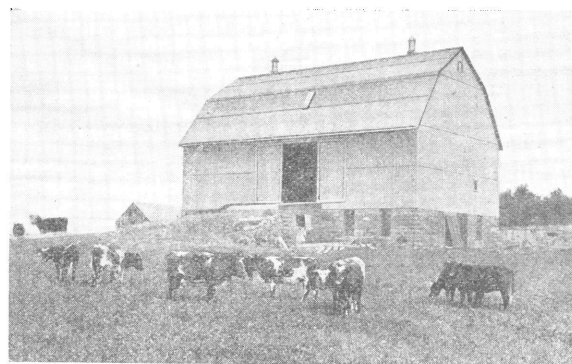


Fig. 4

J. A. Cook, of Granton, comes from Missouri and had to be shown. He has been figuring on his barn plans for the past five years. We showed him what we had and told him of our service. The above picture is the result. It is one of the finest barns in Ontario.

STANDARD BARN EQUIPMENT

DOORS AND DOOR HARDWARE

Each Standard Steel Truss Barn has three "Acorn" Barn Doors (see Figure 5), two at the main entrance and one at the rear of the drive floor. Fine doors these, galvanized iron over a wooden frame, and corrugated panels.

THE DOOR HANGERS AND TRACK are the best on the market. They are built to carry a door weighing 600 pounds. See Figure 6 for the detail of this track and hanger. The hanger cannot get away from the track. It is inside, secure and safe against storms or animals.

The strong STAY ROLLER supplied is shown at Figure 7. The roller can be adjusted to different thicknesses of doors. Or if desired, the frame can be reversed so that the flange turns up instead of down as shown in the illustration.

MONARCH DOOR LATCH, Figure 8, is used on either swing or sliding doors. A very strong, secure latch which can be locked with a padlock.

South East Hope,
March 31st, 1914.

The Metal Shingle & Siding
Co., Ltd.,
Preston, Ont.

Dear Sirs:

Received your letter to-day and was pleased to hear from you.

Well pleased with the barn, and if building twenty-five more there would be no more wooden barns for me.

Several people have looked at it and were very well pleased with it in every way.

I have another wooden barn covered with wood shingles and will put on the corrugated roofing when it needs shingling again.

Peter W. Heinbuch.

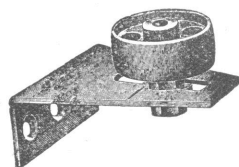


Fig. 7

R.W. Stay Roller

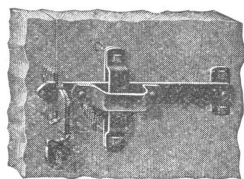
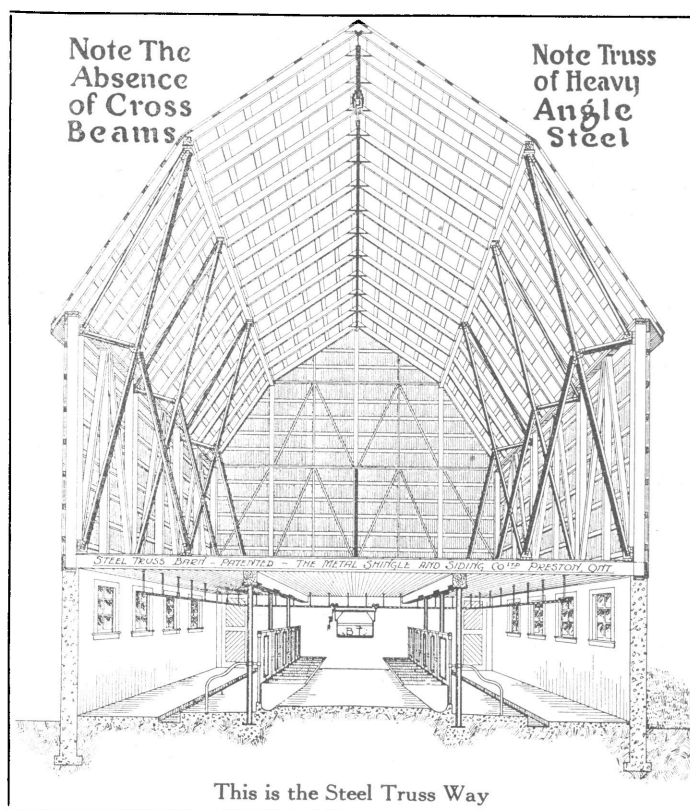


Fig. 8

"Monarch" Door Latch



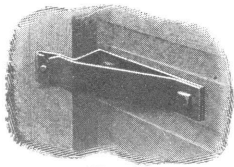


Fig. 9
R.W. Stop Block

WOODEN DOORS. Those who require wooden doors will find that we can quote very favorable prices. Made of $\frac{7}{8}$ tongue-and-groove lumber applied vertically and supplied with hardware listed above, they are strong and serviceable doors.

DOOR-STOP, Figure 9, prevents sliding doors running off the track. A strong and simple stop at low cost.

All of the Door Hardware shown above will be supplied separately if desired, at low prices.

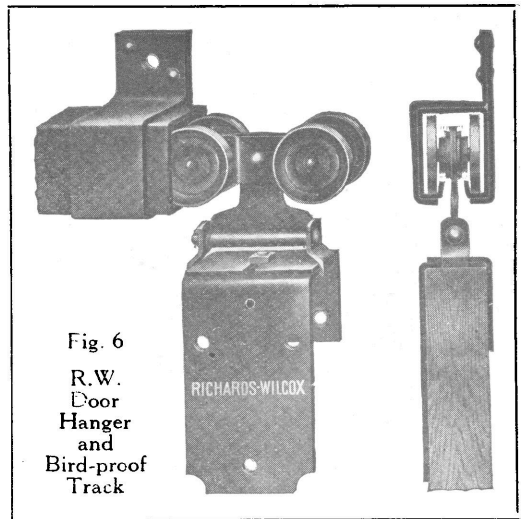


Fig. 6
R.W.
Door
Hanger
and
Bird-proof
Track

STANDARD BARN WINDOWS

ROOF LIGHTS. The window shown at Figure 10 is the one supplied with our Preston Steel Truss Barn. It can be used in any corrugated iron roof. It can be opened by means of a small rope as much or as little as is required. The glass is $\frac{1}{4}$ inch fire-proof wired glass, 20 x 60 inches. The window is mounted in a standard corrugated sheet and can be nailed in place with the least possible trouble. The com-

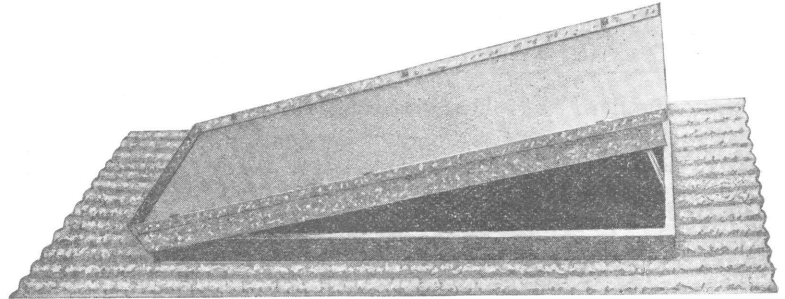


Fig. 10

"Acorn" Roof Window, with adjustable lift light, fitted with wired fireproof glass.

fort of this roof window is its greatest recommendation. It cools the barn, clears away dust, and beside giving ample light, is a very effective ventilator.

END WINDOWS. The standard end window as supplied with the Preston Steel Truss Barn is shown at Figure 11. This is a 20 x 24 inch wired-glass light mounted in a standard corrugated sheet. This sheet is nailed in place the same as any other corrugated sheet, usually high up in the gable end of the barn.

Two are supplied, one for each end. They shed a good light in the mow and provide ventilation to keep the barn cool and cure the crops.

This is the proper window for any metal

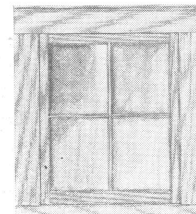


Fig. 12

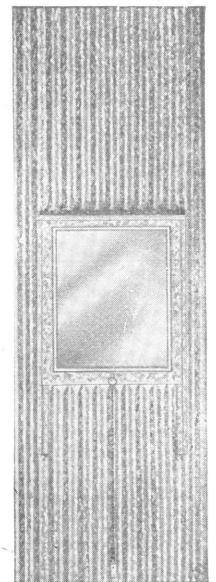


Fig. 11
"Acorn"
Adjustable
Side-Wall Window,
with opening
20 x 24 inches.

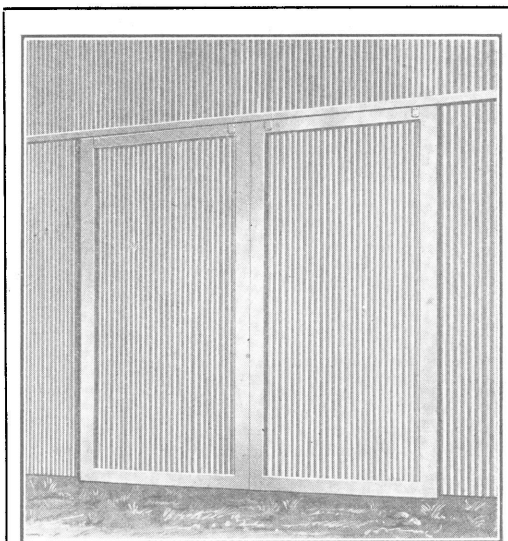


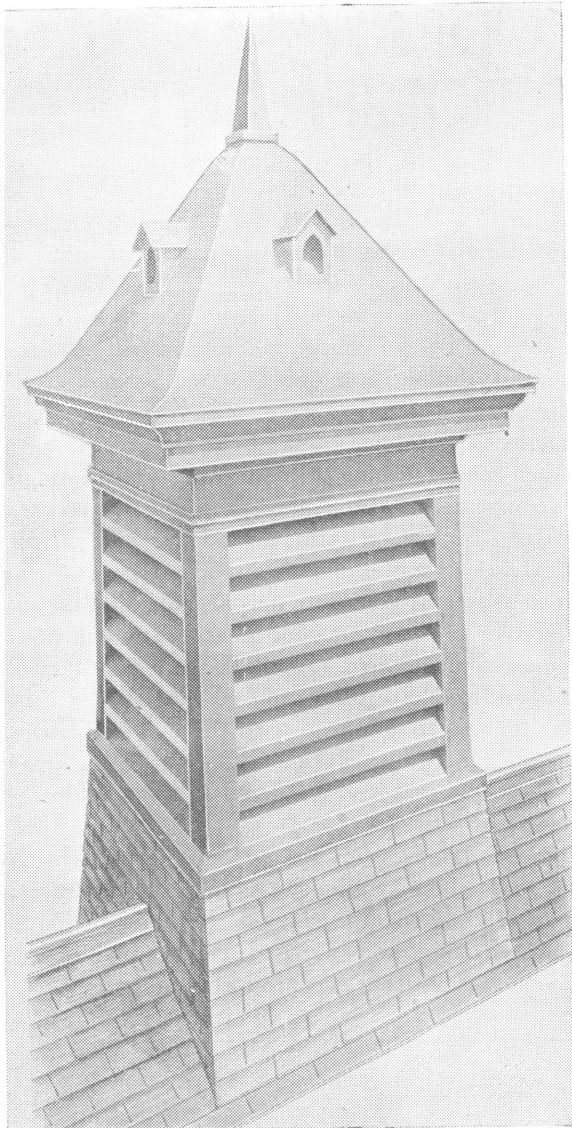
Fig. 5

"Acorn" Barn Doors, made of wood frame covered with galvanized iron, corrugated panels with neat trim. These doors are strong and well made. The door hardware is shown above.

clad barn. It is supplied at low cost and is strongly recommended to any farmer who wishes to have his buildings thoroughly fire-proof.

WOODEN WINDOWS. Glazed with four lights, 10 x 12 each, complete with window frame ready to nail into place. The illustration, Figure 12, shows the sash only. Remember the glass is in place and the sash fitted to the frame before the window leaves our factory.

STANDARD BARN VENTILATORS



"Louvre" Ventilator

"ACORN" BARN VENTILATOR. This is the standard ventilator supplied with the Steel Truss Barn. That it is effective is shown by the numerous letters we receive telling about the coolness of the barn in summer. A very attractive arrangement of ventilators for a fine barn is to use one of the big "Acorn" Aerators in the centre and one of the "Acorn" Barn Ventilators at each end.

"ACORN" LOUVRE VENTILATOR. Here is a high-grade metal ventilator of striking design and unusual ventilating capacity. The exhaustive power of this ventilator is caused by the Louvres which turn the wind upwards. This creates a suction through the base of the ventilator and so insures a steady current of air through the building. Unlike most metal ventilators, when any frost that gathers on its surface melts, it runs away outside.

We recommend this ventilator highly, and guarantee that it will exhaust the full capacity of its base. It will require no painting or repairs and will last a lifetime.

"THE ACORN" AERATOR. The scientific farmer knows the value of good ventilation. This big husky vent is the best on the market and at the same time adds much to the appearance of the barn. It will draw off the foul air and keep the barn cool and sanitary. The "Acorn" Aerator is shipped ready to put in place. Such simple directions are given that your local carpenter or you yourself, if you wish, can easily erect it. It is a fine, good-looking ventilator that we can recommend very highly. (Fig. 13.)

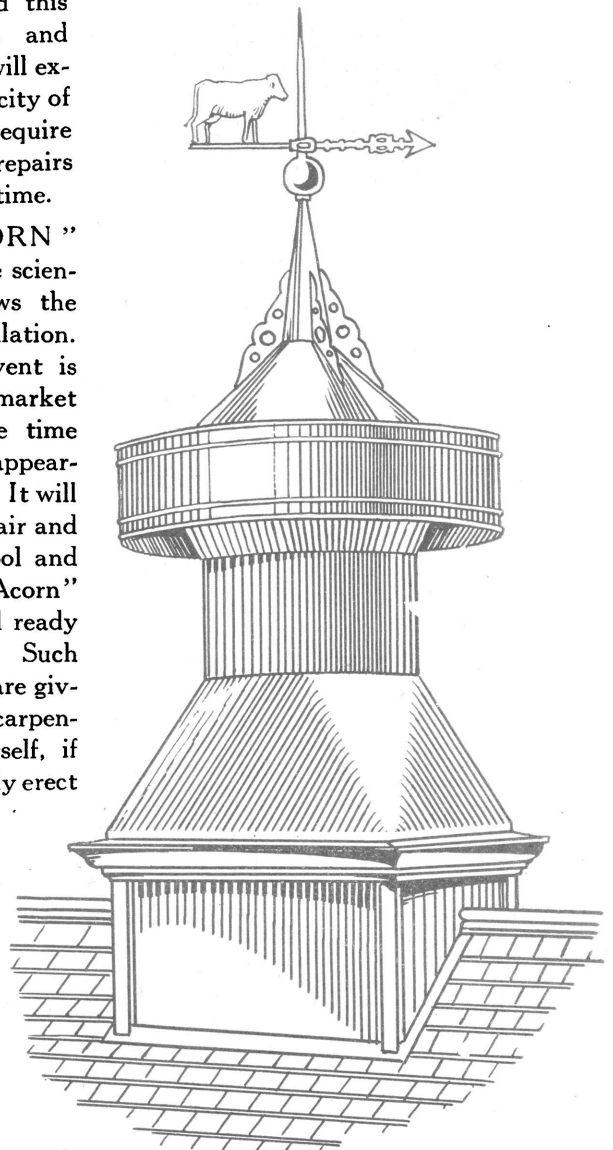


Fig. 13. "Acorn" Aerator

A little thought given to the subject of ventilation must convince any sensible man that it greatly improves any building. An investment in ventilators will add much to the comfort of working your barn. (Figure 14.)

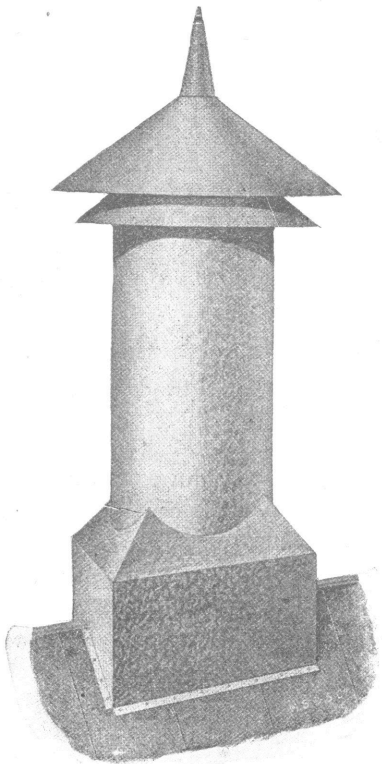


Fig. 14
"Acorn" Barn Ventilator.
Sizes: 20 in. square base, 16 in.
drum, 5 ft. 2 in high.

JOHN SLEE BELIEVES IN KEEPING COOL

Dear Sirs:—Last summer in haying time when the thermometer was standing round 100 in the open I was given the choice of working in the field or in the hay mow. You might think I took to the fields. Well, I didn't. I worked in the mow and certainly did not regret it. While the men in the field were sweating away, I was comfortable in the Steel Truss Barn, because the ventilation is so good, even on the hot hay coming in.
Yours truly, John Slee, Doon, Ont.

MODERN STABLE EQUIPMENT

The first thing that would strike any practical man in planning his stable, would be to visit other farmers who have well-planned stables. Our service now makes this unnecessary because we have on hand the blue prints of many of those stables. Without taking a day off, any farmer can see these plans for himself, and figure out the very latest plans for his own stable. Or he can call on us to make these plans for him free of charge. Thus, he will have the most modern ideas, the most sanitary stable, and one that will save his time every day in the year.

The first step we would suggest is to let us know about the size of barn you will be building. We will then send you blue prints of what other farmers have found to be good stable arrangements. Anything we know about barn and stable building we have learned from good farmers, and our best advice to you is to do the same thing. Look over the plans we send you. You will see some ways to improve them so as to suit your own needs. Then let us put your plan in shape, using our experience in planning and equipping stables to carry out your ideas. You will want a light stable. We can tell exactly what windows are needed and where to place them. You will want ventilation. We can tell you how much is required. We can arrange the details and measure things out so that they will be practical. When we make the blue prints it will be a simple matter for you to go ahead with the building. You will also want to know how much cement, how much gravel and stone filler the walls will take. Our list of materials will give you this information.

Why do we give this service free?

Simply because it is our business to sell barns and stable equipment and we want the opportunity of serving farmers who are going to make improvements. You can repay us for these plans by allowing us to quote our lowest price on any of the goods you require. If our prices are fair—and you will find them the lowest obtainable for high quality materials—you may wish to give us your business. That is the reason we are willing to give you such liberal service free. And we have found that it not only pays the farmer who gets it but that it is profitable to us.

FROM A PERSONAL LETTER

Brucefield, R.R. No. 1, Ont.

I like my barn O.K. Just the proper thing for a man who has to build in a hurry, as we did. And then the unloading arrangement is perfect—saves time and labour, rope, and is much less dangerous with less strain on the joist than the old way. No snow blowing in on the feed and on the floors to melt and drip down in stables. I could fill a small book telling how the Steel Truss Barn has the old frame barn skinned. Don't be afraid to deal with the Metal Shingle and Siding Co.—they will use you RIGHT, and any time I can help them in any way I am at their service.

Yours truly,

D. Fotheringham.

EXCELLENT LIGHTING AND VENTILATION

Fonthill.

I am enclosing a few lines expressing my appreciation of your Steel Truss Barn, which you have erected for me. The barn appears to me in every way strong, well braced, and at the same time very neat. The steel trusses make it very roomy, while the joists below and the matched flooring above give a very neat finish to the basement. The lighting system is sufficient, both in the granary and in the barn. The two centre windows coming directly over the centre of driveway will never hide the light. The ventilation is also worthy of mention, and I am sure it will prove satisfactory in the saving of crops.

I remain, yours truly,

Jacob M. Haist.

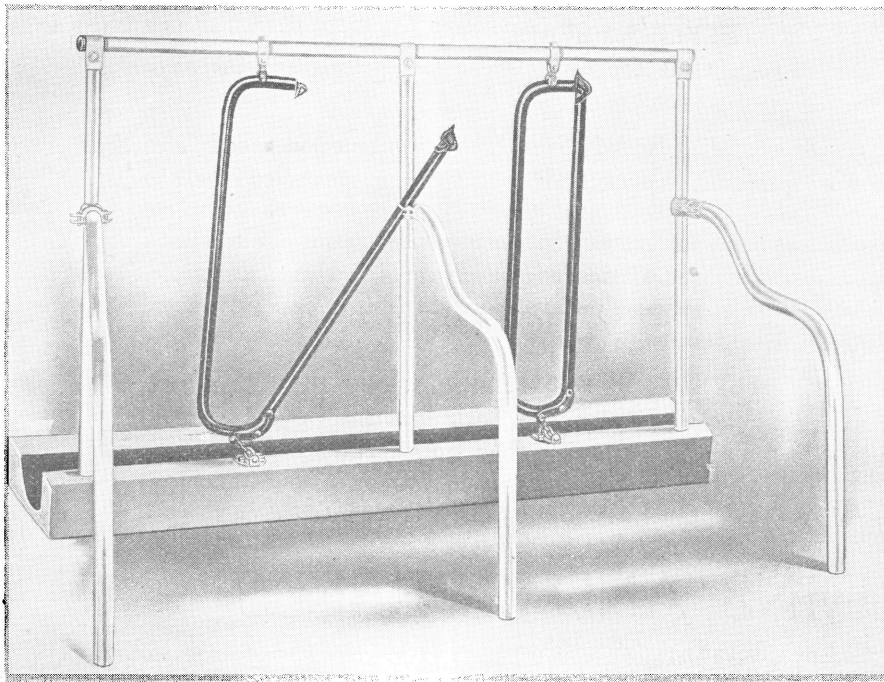
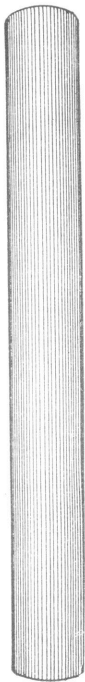


Fig. 18—STEEL STALLS

STALLS AND STANCHIONS

STEEL STALLS. The modern stable has no place for the old wooden stalls with their hiding places for dirt, disease germs and vermin. The modern farmer has no time nor inclination to do the double work of cleaning out awkward corners. He wants his stable to be free from lodging places for dust. Steel stalls such as we supply must appear to every practical man as the most sensible, durable and sanitary equipment for the stable of to-day. We show here one or two arrangements of stalls, but would like to point out that we can supply any number of stalls in any arrangement desired.

STYLE A STALL is shown at Figure 18. It is built of 2 inch galvanized steel tubing and consists of the following: one post, one partition, head-rail 3 feet 6 inches long, one cement clevis, one top clamp, one stanchion rest, one complete stanchion (U-Bar) finished in black Japan.



Steel Supporting Column

Showing Wooden Posts with Steel Stanchion

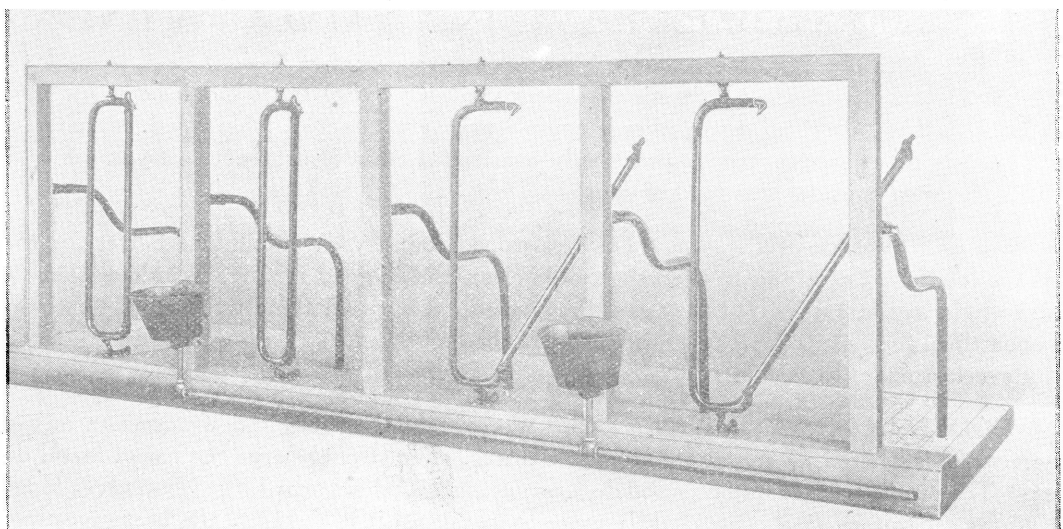


Fig. 20

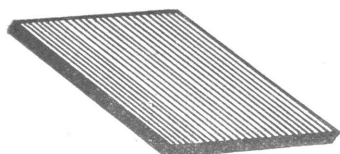
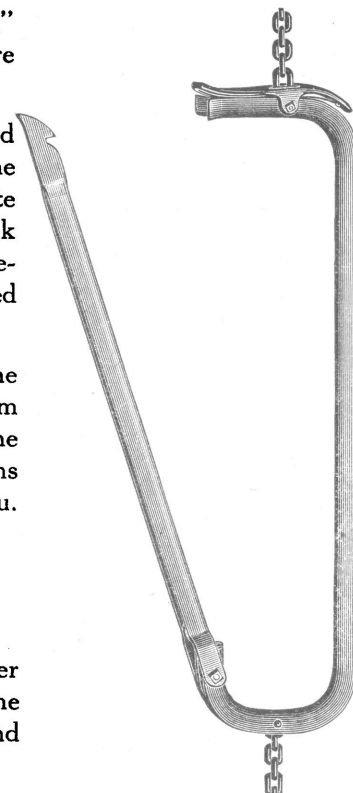


Fig. 22

STYLE A-1 STALL. A double stall similar to "A" except the top rail is seven inches long and there are two stanchions.

STYLE A-2 STALL. (Combination wood and steel.) Where wooden posts are installed by the owner, we supply the following parts to complete the stalls (see Figure 19): one steel stanchion finished in black Japan, one top hook for same, one cement or wood clevis as desired, one stanchion rest, one triple-curve partition made of $1\frac{1}{8}$ inch solid-welded galvanized tubing, one galvanized clamp for attaching same to wood frame.

U-BAR STANCHIONS. The webs of the U-Bar turn outward. Thus, the round side of the U-Bar is next the cow's neck, top, bottom and sides. Made from Carbon steel, these stanchions are 90% stronger than iron. This gives them the advantage of light weight combined with great strength. Our prices on stanchions alone or on complete equipment of stanchions and stalls will be interesting to you.



COLUMNS AND CORBELS

STEEL COLUMNS. Supporting columns of steel have many advantages over wood. About six inches in diameter they take up only a fraction of the space of the clumsy light-obstructing wooden posts. At the same time they are stronger and practically everlasting. They are painted black to prevent rust. (Figure 20.)

SPECIAL NOTE. We have a large supply of these posts at before-the-war prices. Consequently we can supply them at about half the price other makers must ask for them.

HARD MAPLE CORBELS. These are used at the top of supporting columns. Neatly dressed and painted, these give added strength to the girders. No cap you can get for double the money will give greater service. (Figure 21.)

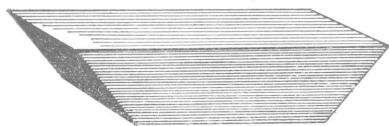


Fig. 21

BASE-PLATES. These square sheets of steel (Figure 22) are set under the columns and give at very low cost service equal to the more expensive cast bases. Our prices on all of these supplies will astonish you. We are particularly fortunate in being able to supply your wants at a low figure.

STABLE DOORS AND WINDOWS

STEEL STABLE DOORS won't stick. There you have the 100 sound reasons for buying the door shown at Figure 23. The "core" of dry lumber is completely metal-covered, making a door that cannot expand or contract with the weather changes, that is practically everlasting, that is fireproof. If you are building a barn to last for years, you must consider this kind of door.

STEEL STABLE WINDOWS. The less wood around your stable, the better for the health of your stock, and the less it will cost you to keep the stable clean and in good repair. Windows that swell with moisture soon jam so tight in the frames that they can't be opened. You want them tight against the weather and yet you want to open them for ventilation. Steel windows are the only kind that will not stick, and once bought they are practically everlasting. (Figure 24.)

WOODEN DOORS AND WINDOWS. We can supply doors and windows in any size and style required. Where wood is desired we can quote favorable prices. We strongly urge the use of metal doors and windows, however. The stable is often damp; wood decays quickly; wood absorbs filth; wood gives lodging and breeding places for germs. Sanitary steel costs slightly more to install but it is certainly the best investment and it is cheapest in the long run.

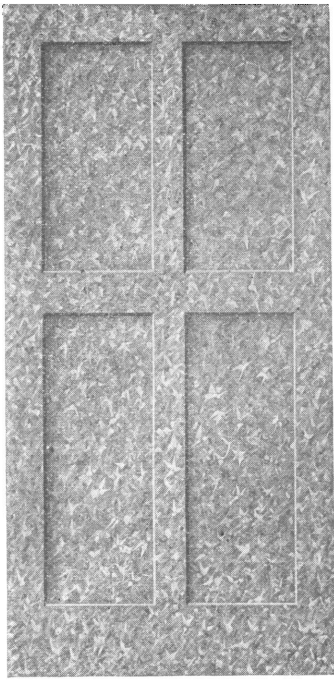


Fig. 23

"Acorn" Stable Door. Made with heavy wood core, covered with galvanized iron. Will not warp, swell or get out of shape. Are fire-proof and weather-proof. Every stable should be equipped with these doors.

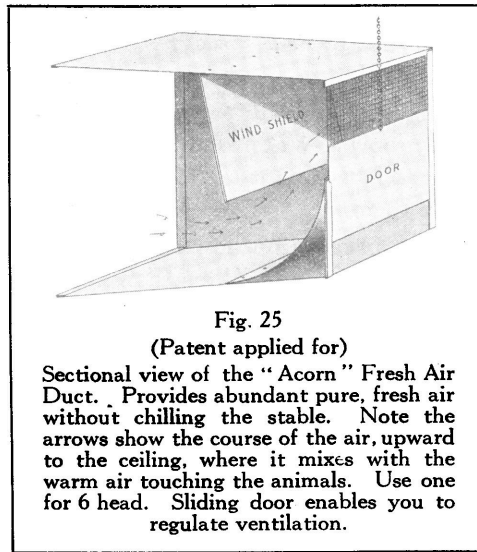


Fig. 25

(Patent applied for)

Sectional view of the "Acorn" Fresh Air Duct. Provides abundant pure, fresh air without chilling the stable. Note the arrows show the course of the air, upward to the ceiling, where it mixes with the warm air touching the animals. Use one for 6 head. Sliding door enables you to regulate ventilation.

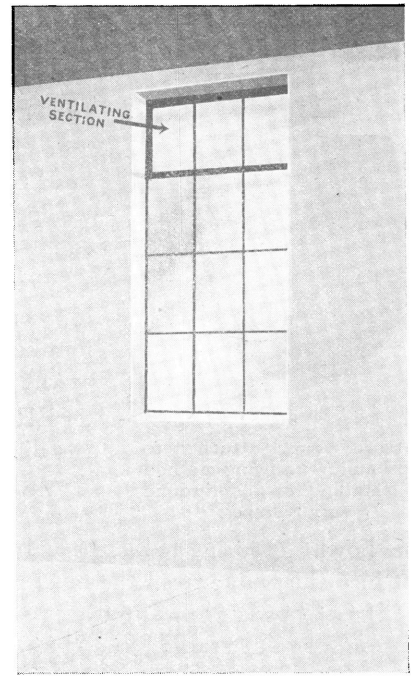
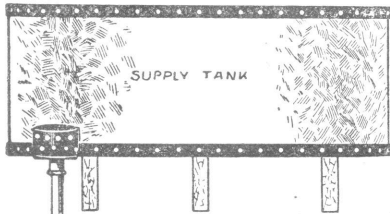


Fig. 24

Steel Sash in the stable of J. A. Cook, Glandford. Top section hinges to open inwards. Never can swell, stick or get out of order.

"ACORN" FRESH-AIR DUCT. This is a metal duct with screened opening and sliding regulator. It prevents a direct draft but supplies ample fresh, pure air for the stock. One to every six head is the usual requirement. If you send us a rough plan of your stable we can advise you on the proper arrangement of these ventilators. (Figure 25.)

"ACORN" WATER BOWL



A good watering system will go a long way towards making the cattle comfortable and productive. It will not only increase the flow of milk, but will make the growing herd or fattening stock thrive better and put on flesh faster. These

Showing application of "Acorn" tanks and bowls.

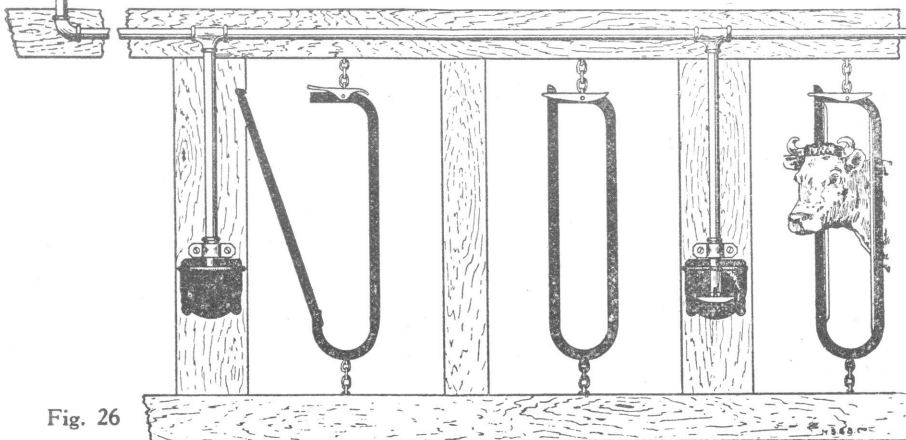
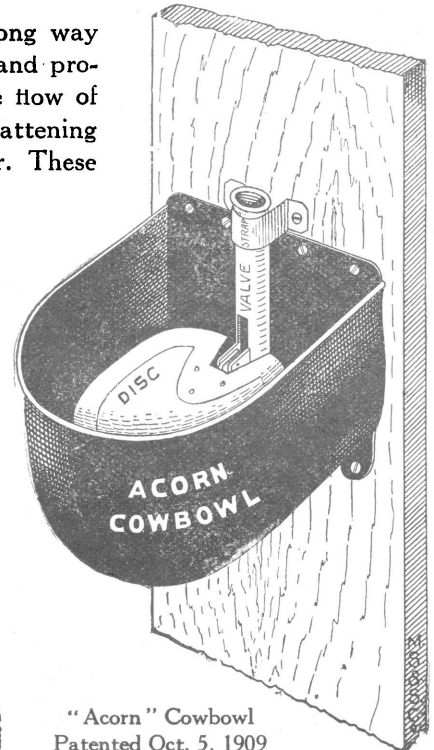


Fig. 26



"Acorn" Cowbowl
Patented Oct. 5, 1909

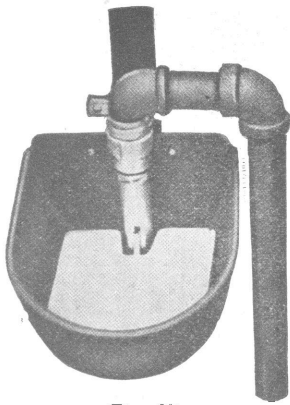


Fig. 27

"Acorn" Bowl attached to steel stall. Showing method of installing for underground supply pipes.

are statements we have borrowed from farmers who have installed "Acorn" Cowbowl.

The "Acorn" Cowbowl (patented Oct. 5, 1909, No. 120982) is a highly sanitary way to water cattle. Each animal has its own bowl. Water does not pass from one bowl to the other. Chaff cannot be drawn into the pipes to clog or corrode them.

CONSTRUCTION. Cast-iron bowl; brass valve; galvanized disc; strap galvanized. Length 9 in., width 8½ in., depth 6 in.; Size of pipe 1 in. except for very large number of bowls. Disc is placed 3½ in. from top of bowl at the front.

OPERATION. When the bowls are first installed, press the disc until the bowl fills.

As the animals drink they press on the disc which opens the valve and allows more water to flow into the bowl. A spring holds the valve closed excepting when pressure is put on the disc. Dirt cannot possibly get into this valve from the bowl. A screen in the tank prevents dirt from entering the pipes.

If Cowbowls are wanted to attach to pipe frame, please state size of pipe. Let us quote you on a water system for your stable.

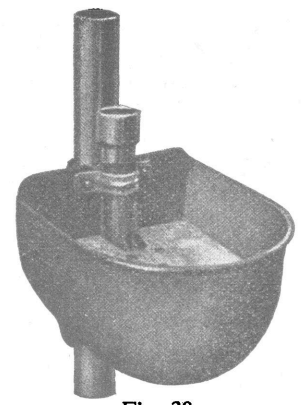


Fig. 28

Acorn Bowl attached to steel stall. Showing method of attaching for overhead water supply.

PRESTON IMPLEMENT BUILDINGS

STYLE D. A metal-clad building with wooden frame. We supply all materials including galvanized iron for sides and roof, wooden trusses for roof, doors, windows, track and complete hardware.

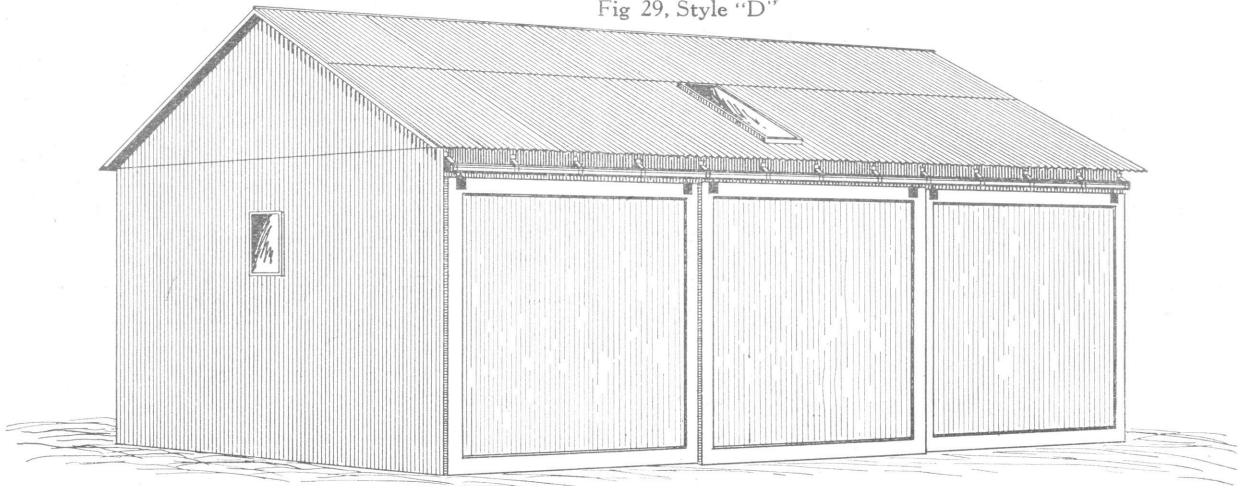
In this type of building there are three sliding doors hung on separate bird-proof tracks. Two end windows and one roof light. This is a particularly good type of implement building as any one door can be opened at a time giving easy access to any part of the building. Height of wall to eaves 10 ft. Covering; Roof 26-gauge Acorn quality corrugated iron; Walls 28-gauge Acorn galvanized iron. (Fig. 29.)

STOCK SIZES

16 x 20 x 10	2 doors 10 ft.	20 x 36 x 10	3 doors 12 ft.
16 x 24 x 10	2 " 12 ft.	24 x 30 x 10	3 " 10 ft.
16 x 30 x 10	3 " 10 ft.	24 x 36 x 10	3 " 12 ft.
20 x 24 x 10	2 " 12 ft.	24 x 40 x 10	4 " 10 ft.
20 x 30 x 10	3 " 10 ft.	24 x 48 x 10	4 " 12 ft.

STYLE D-1. Very similar to the style "D" building, fireproof construction, and same capacity, but the doors swing on heavy hinges, and the trusses are made of wood. It is consequently somewhat cheaper, although a very fine, sturdy type of fireproof implement building.

Fig 29, Style "D"



SPECIAL CATALOGUE of Implement Buildings, Drive Barn and Storage Buildings will be sent on request to any farmer. This catalogue illustrates many styles of buildings that are designed for farm use. We can sell complete materials for these buildings, or, if you have lumber on hand, we can supply the metal, doors, windows, hardware, etc., at reasonable prices. Let us quote you prices on any building you have in mind. If interested, drop us a post card for our special catalogue ..

PRESTON GARAGES

THE UNIVERSAL is an entirely metal-covered building giving fire protection for your car. It is built in sections and can be erected in a couple of hours by two men. There can be no trouble in erecting because we send out very complete instructions and blue prints that show where every part fits. Once bolted together it is a snug, tight sturdy building. It can be taken apart just as easily should you ever wish to move it to another location, (Fig. 31.)

THE KING GARAGE is similar in appearance to the Universal but has sides of wood and metal roof. The sides are made in panels of novelty side, stained a beautiful nut brown, making a very attractive building. Built in sections that bolt tightly together. This building can be supplied with felt roof at some reduction in price. It is ideal for rural districts, villages, or outside the fire-limits in towns.

OUR SPECIAL GARAGE CATALOGUE gives more complete information and illustrates other styles of garages. We carry in stock sizes ranging from 10 x 14 to 12 x 18, and can make very prompt shipment.

READY - CUT GARAGE

To meet the man who likes to build his own garage we have one that is ready to nail together. Every piece is cut and fitted, the doors and windows are made and fitted. The whole goes out with complete hardware, all materials, and simple directions for putting the building together. It will readily be seen that to get all the lumber cut to size and ready to nail into place is a big saving of labor. At the same time our equipment for doing this sort of work enables us to do it at low cost and quote a very favorable price on the materials. It gives you the pleasure of building your own garage without all the tedious labor of sawing up the lumber. (Fig. 30.) Made in one size only, 10 x 16.

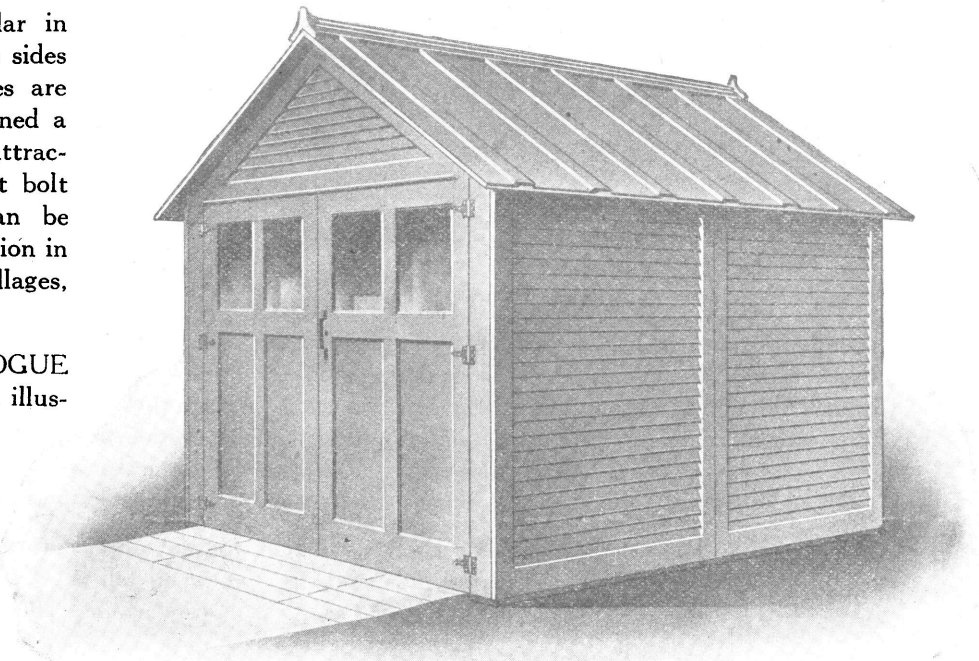


Fig. 31. "Universal" Garage

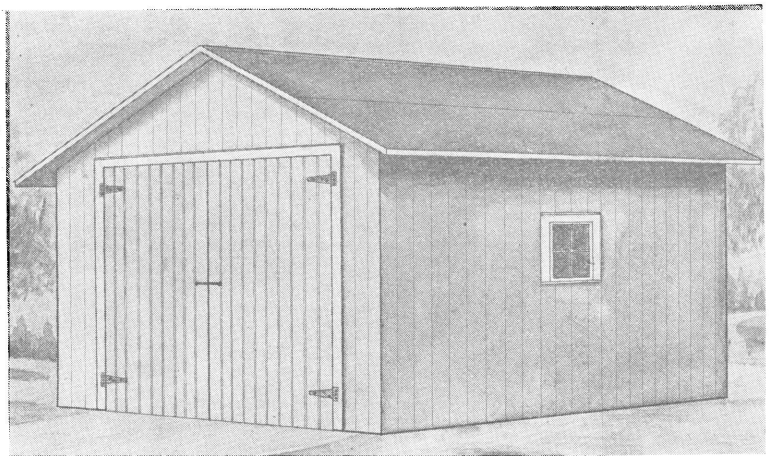


Fig. 30. Farmer's Ready-Cut Garage

PRESTON ROOFINGS



Fig. 32—Preston "SAFE-LOCK" Shingle

PRESTON SAFE-LOCK SHINGLES.
Once these shingles are nailed into place the roof becomes in effect a solid sheet of metal. It is absolutely impossible to remove a shingle, for they are all locked together securely on four sides. Such a roof is always tight, proof against spreading joints, absolute protection against the weather. (Fig. 33.)

Read the following testimonial which has been selected from hundreds:

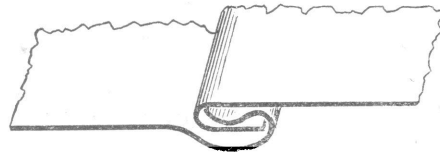
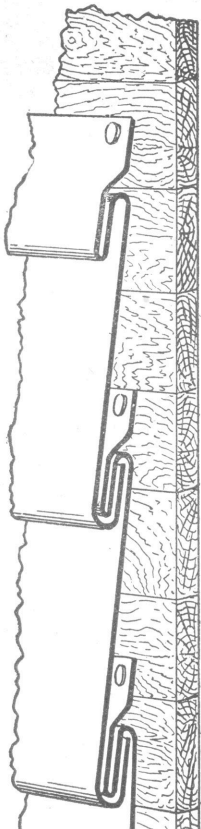
Dear Sirs: We take pleasure in expressing our high satisfaction with the steel shingles and other material supplied by you for our new buidings. The steel shingles which were used on the seed house were several times exposed to rain storms and no defects or leakage of any kind have been experienced.

Although material has been in use for too limited a time to give it a thorough and perfect test, we have much confidence in it and do not in the least doubt that we will be just as satisfied five years from now as we are to-day.

We also appreciate the prompt attention you gave to our orders. No better service could have been rendered. Yours truly, Bow Park Farm.

"ACORN" QUALITY CORRUGATED IRON. The strongest testimony to the quality of the "Acorn" brand of corrugated iron is the fact that it is giving the best service year after year on thousands of Canadian farms. Every farmer should know, if he does not already know from experience, that there are many grades of galvanized iron. By submitting our iron to the severest tests we have protected the farmers who bought from us, and have thus built up a fine reputation for "Acorn" quality iron. Before the name is stenciled on our sheets the galvanizing must pass the severe acid test to which the British Government submits every galvanized sheet purchased. This is surely the strongest protection for the farmer. (Fig. 34.)

"ACORN" BARN RIDGE (patent applied for). This is a two-piece ridge; each side can be adjusted independently; no wood roll is required; once locked it is thoroughly proof against the weather. Made in sizes to cover 6, 12, 18, or 24 inches on each side of the roof; fits the corrugated sheets (2½ inch corrugations). (Fig. 35.)



Simcoe, Jan. 16, 1912.
Gentlemen:

I am going to require some Preston Safe Lock Shingles to repair the damage done by fire to my livery barn. It is a large building 45 ft. by 100 ft., with brick walls, and it was completely gutted by fire. All the sheathing burned off the roof leaving the Safe Lock Shingles hanging between the rafters. This saved a frame wood-shingled barn that stood within one foot of my barn, and a blacksmith shop which stood within ten feet, and a frame building that was only 15 feet away. I considered the Preston Safe Lock Shingles better than the cleat shingles on that account.

I am,
Yours truly,
Wm. C. Everett

At the left, illustration showing the "top-lock" of PRESTON "Safe-Lock" Shingles. Above, we show how these modern shingles are held fast at the side.

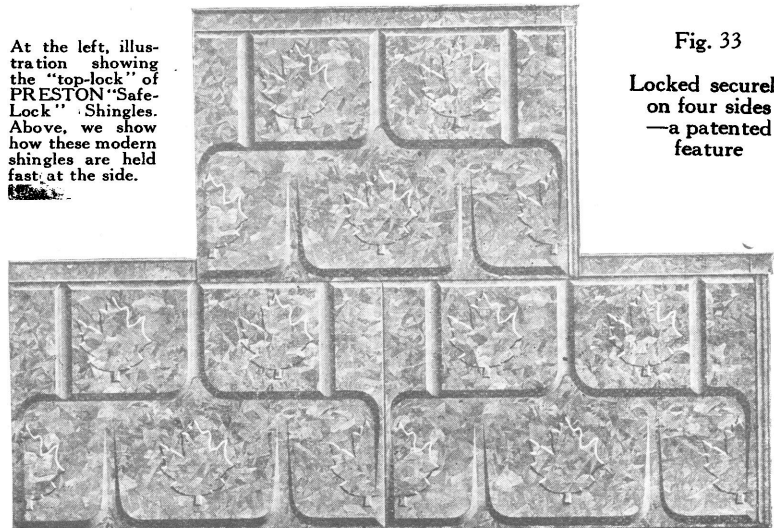
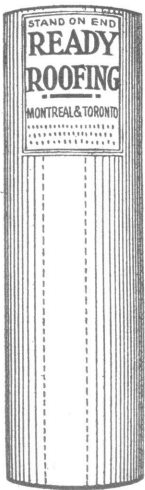


Fig. 33

Locked securely on four sides—a patented feature



Felt Roofing

FELT ROOFING.
 "Acorn" Brand of felt roofing is made in two grades and in three thicknesses, 1, 2 and 3 ply. It is a very serviceable roofing for small buildings, or for use where the more permanent metal roof is not required.

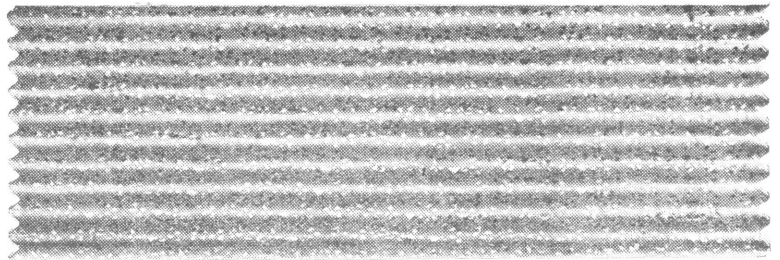


Fig 34. "Acorn" Quality Corrugated Iron

METAL SIDING

SMALL SHEET SIDINGS. The patterns we can supply, of which only a few are shown here, give you a wide choice of finishes. Very attractive residences have been made with

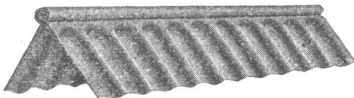
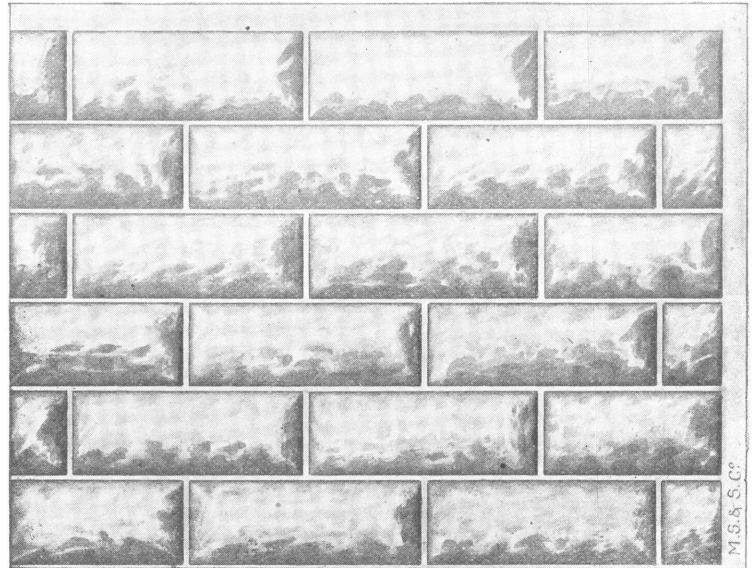


Fig. 35. "Acorn" Ridge For Corrugated Iron Roof. See pg. 14

these sheets. The effect is pleasing, too in outbuildings or additions.

LARGE SHEET SIDINGS. These sheets give a handsome finish to any building, adding a very pleasing effect at moderate cost. At the same time they render the walls fire-proof as well as tight against the weather. (No. 825 and 816.)



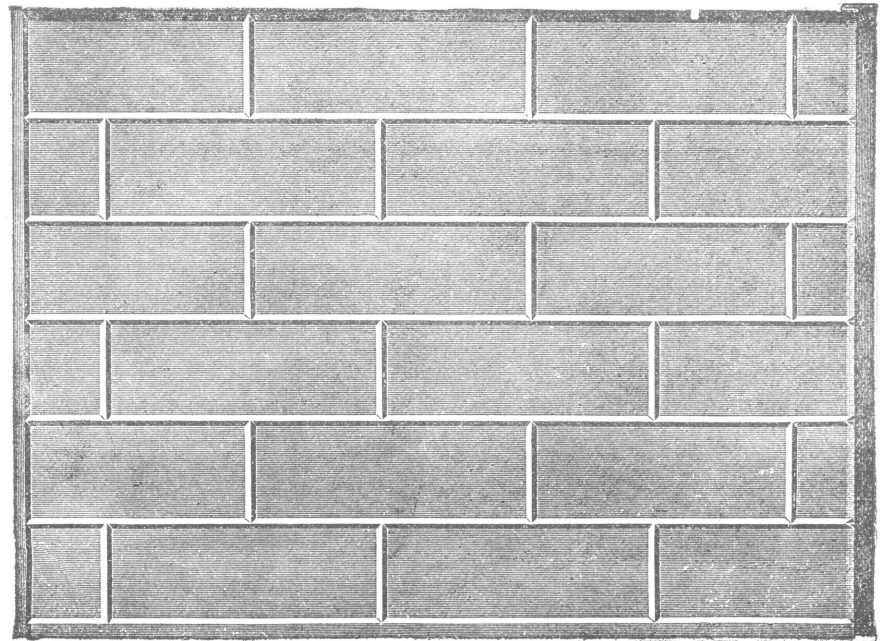
Rock Faced Brick Siding. (Fig. No. 802.)

WEATHERBOARD SIDING. is an effective and fireproof substitute for wooden weatherboarding. The effect is very realistic and has met with very general approval.

The other patterns R. F. Brick and Large Stone illustrated here are so well known as to need no comment. (Nos. 802, 801 and 806.)

Any of this material can be applied to rough sheathing boards or directly to studding placed 16 inches apart between centres.

In applying our Weatherboard Siding it is necessary to lap the sheets one crimp at the sides and one or two inches at the ends. Place nails about four or six inches apart along the horizontal laps when the sheets are put on sheathing and immediately under the projecting crimp always. When applying to



Brick Face Siding. (Fig. No. 801)

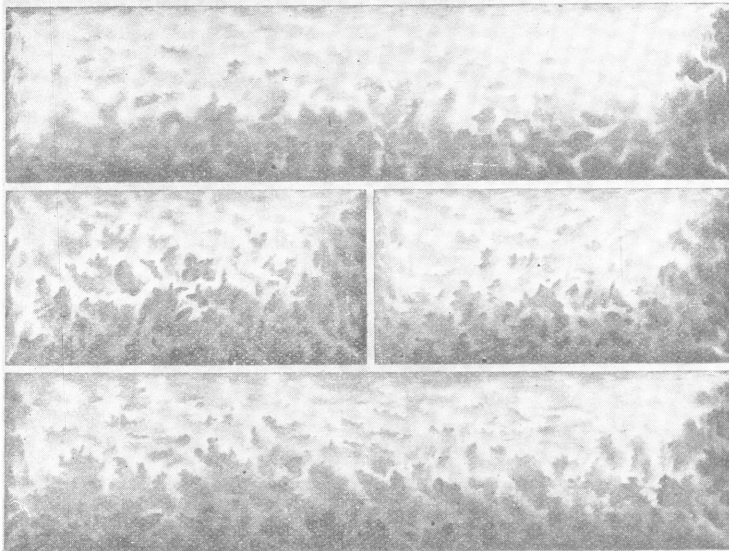


Fig. 38—Deep Stone Siding No. 806



Fig. 39—Weatherboard Siding

Tarte Pier, Montreal; Brown Copper and Brass Rolling Mills Ltd New Toronto; Sawyer Medicine Co., Montreal; John Hayman & Sons, London; Salvation Army Reformatory, Winnipeg; Massey Harris Co., Ltd., Toronto; John G. Kent, Toronto; Orange Sentinel Building, Toronto; S. Hughes & Co., Toronto; Canada Bakery Co., Ltd., Winnipeg; Darling Building, Montreal; Home Bank Toronto; McClary Mfg. Co., Ltd., Toronto; Board of Education, Brantford; Board of Education, Toronto; Mussen's, Limited, Toronto; Confederation Life Association, Toronto; G. F. Stephens Co., Calgary; E. Leadley & Co., Toronto; Gerrard Building, Toronto; Hotson, Leader & Goode, Lethbridge; Tyndall Sub-Station, Tyndall, Man.; Empire Clothing Mfg. Co., Ltd., Toronto; Lindsay Electric Power Co., Sub-Stations, Lindsay.

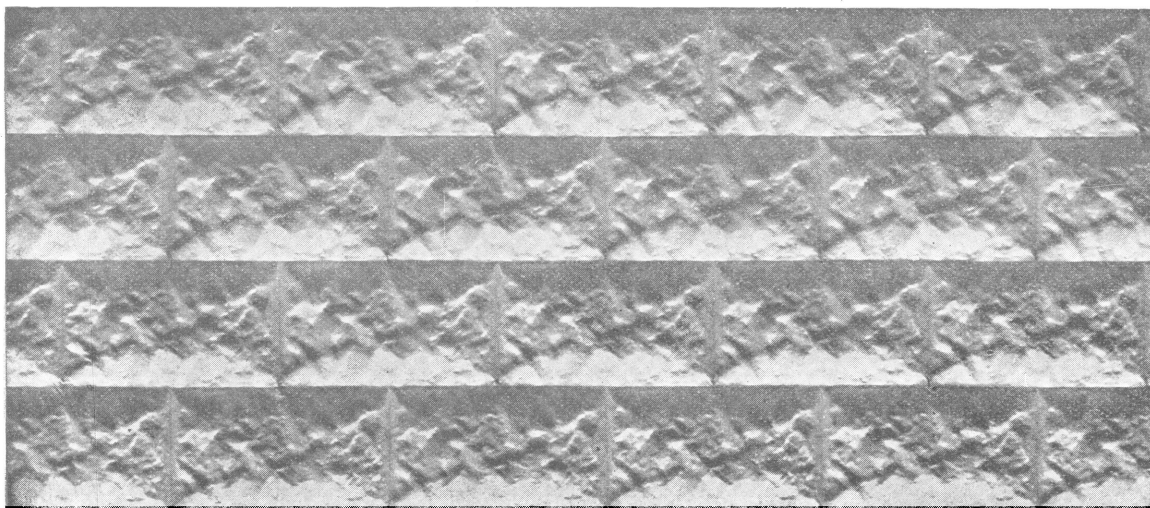
studding nail to each stud. At vertical laps place one nail at the uppermost edge of each fact or "board." Place a few nails throughout the body of the sheet so as to hold it firmly against the sheathing or studding. All nails must be driven directly under the projections to avoid denting the sheets. (Fig. 39.)

No special tools are required to apply this siding. Any ordinary mechanic can do the work well and neatly if care is taken to keep the lines straight horizontally. This is important.

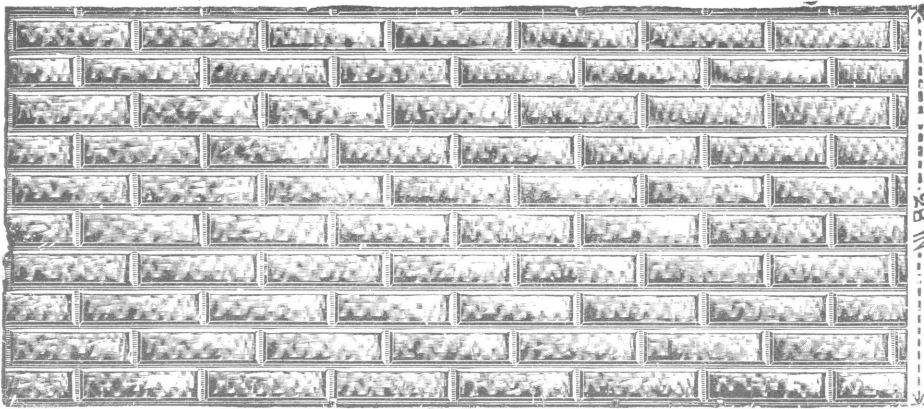
A Few of Our Larger Contracts

Space does not permit us to give a list of all our large contracts, but the following will give you an idea as to how we can handle large orders:

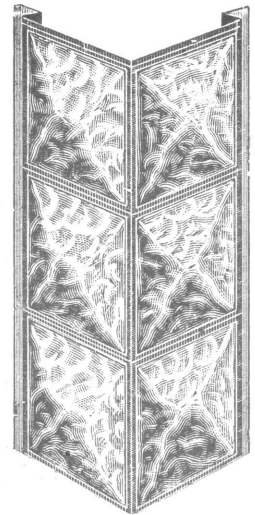
Dome Mines Co., Porcupine, 2,500 squares of corrugated sheets; Canadian Copper Co., Copper Cliff, 1,500 squares of corrugated iron; Canada Cement Co., Winnipeg, 1,000 squares corrugated iron; Diamond Flint Glass Co., 1,500 square feet of skylight and 12,000 feet of roofing; Saskatchewan Dominion Elevators, over 9,000 squares of siding; The Moncton Shops, N.B., 20,000 feet of Acorn skylights used; The Angus Shops, Que., 20,000 feet of Acorn Copper skylights used; C.P.R. Shops, Toronto, over 5,000 feet of skylights erected; The Toronto Hydro Electric, Toronto, Ornamental display sign; The Oliver Chilled Plow Co., Hamilton, 335 steel sash; The International Harvester Co., Hamilton, 86 steel sash; The Pease Foundry Co., Brantford, 227 steel sash; Interlake Tissue Co., Merriton, 133 steel sash; The O'Keefe Brewery Co., Toronto, 112 steel sash; The Petrie Building, Hamilton, 198 steel sash.



Rock Faced
Stone Siding
No. 825
(large
sheets)



Large sheet Rock Faced Brick Siding, No. 816



Rock Stone
Corner
No. 830

A neat finish for use with Acorn Sidings.

CURVED CORRUGATED SHEETS.

For curved roof barns, for skating rinks and other buildings requiring curved corrugated iron sheets, we can supply the sheets in any curve. The cuts show corrugated sheets curved for roofs, ceilings, iron bridge work, etc.

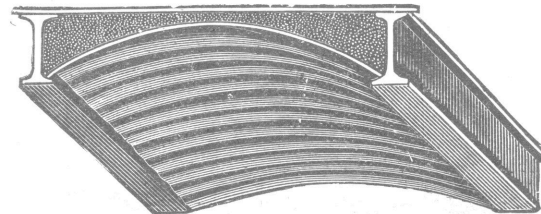
Note particularly the use of curved sheets for passage under the approach to a barn. The sheet is supported between two rails forming a perfect arch.

Ample stocks of metal siding and sheets are always kept on hand so that prompt shipment can be made on all ordinary requirements.



Curved Corrugated Sheets

Cut below shows method of using curved sheets for passage under approach to barn



PRESTON STEEL CEILINGS AND WALLS

No other ceilings have the fine appearance and durable qualities of Preston Steel Ceilings. Wooden ceilings shrink and show unsightly cracks. They are expensive to decorate because they absorb paint. Plaster ceilings frequently require repairs. In some buildings, especially public halls or stores, they often loosen and fall, endangering the lives of those who may be near.

It is certainly worth while to pay the slightly extra cost for the Steel Ceilings and Walls and have something that will last. Then you will render your building safer from fire. You will have walls that are easily decorated at low cost; for steel ceilings and walls absorb no paint. You will have walls that are easily cleaned with soap and water.

WIDE CHOICE OF DESIGNS. As will be seen from the plates on the following pages, the highest artistic effects are obtainable in Preston Walls and Ceilings. If you are in doubt as to the most suitable pattern our designers will be pleased to offer their advice.

FOR SCHOOL BUILDINGS, CHURCHES, HOSPITALS, THEATRES, LODGE ROOMS, AND PUBLIC HALLS it would be hard to conceive of more suitable materials than Preston Walls and Ceilings. They are so sanitary and so easily kept clean. They are quite safe as there is never the least danger of a metal ceiling loosening and falling.

Another thing that commends them is that they aid the acoustic properties of large halls.

IN PRIVATE RESIDENCES nothing could be better for kitchen, pantry, and bathroom. Or where old walls have to be repaired, these metal sheets seem the logical material to be used.

The same would apply to stores or public buildings. For Preston Walls and Ceilings can be:

APPLIED OVER OLD PLASTER without removing the plaster. What a saving of muss and dirt! Think of the trouble saved in a store or public building to have the walls and ceilings thoroughly repaired without the annoyance of removing the old plaster.

SPECIAL CATALOGUE OF CEILINGS AND WALLS WILL BE SENT ON REQUEST.

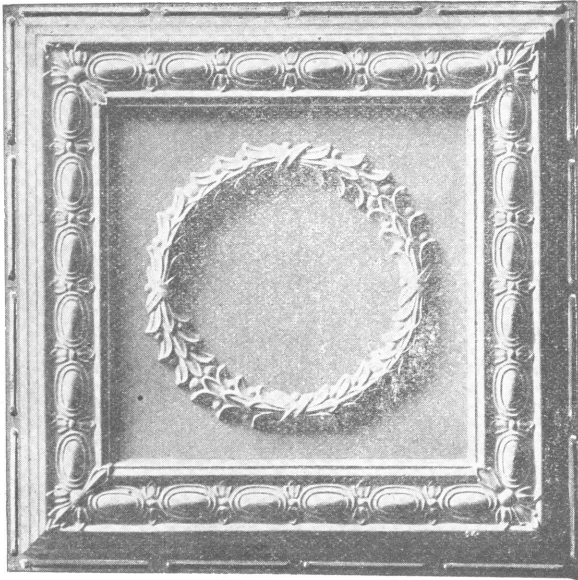


Plate No. 7004

Size, 24 x 24 inches. Code Word—*Babel*.

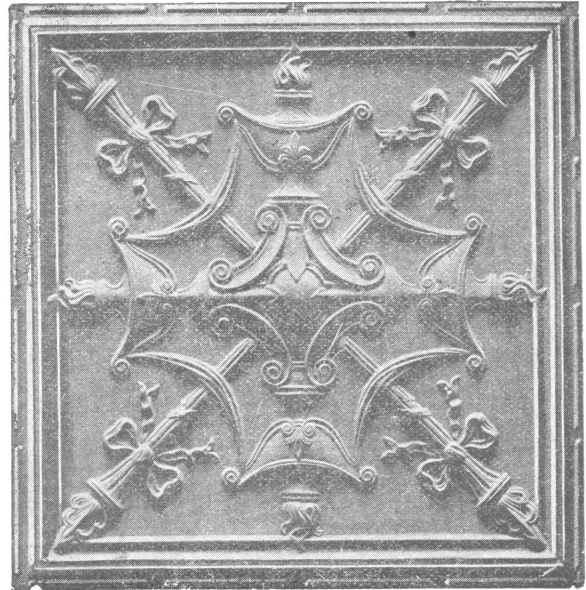
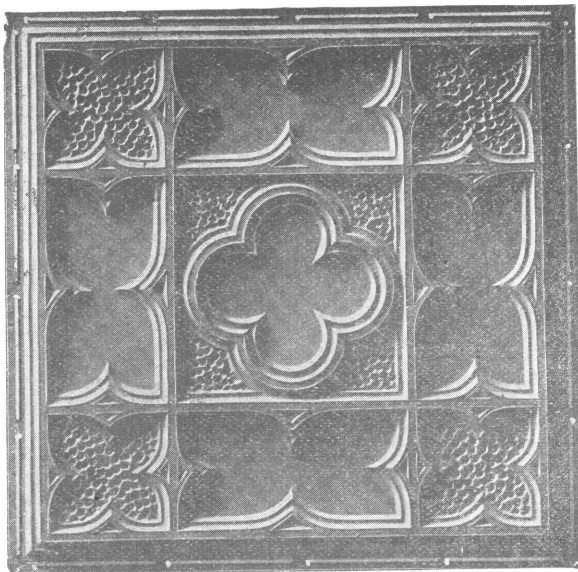


Plate No. 7007

Size, 24 x 24 inches. Code Word—*Backbite*.



Gothic Plate Series D

Size, 24 x 24 inches. Code Word—*Abarbado*.
Especially fits them for church ceilings.

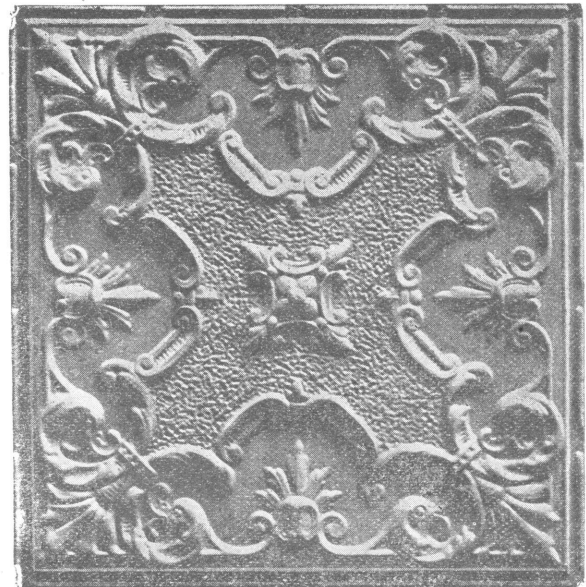


Plate No. 4002

Size, 24 x 24 inches.
Code Word—*Narcotive*.

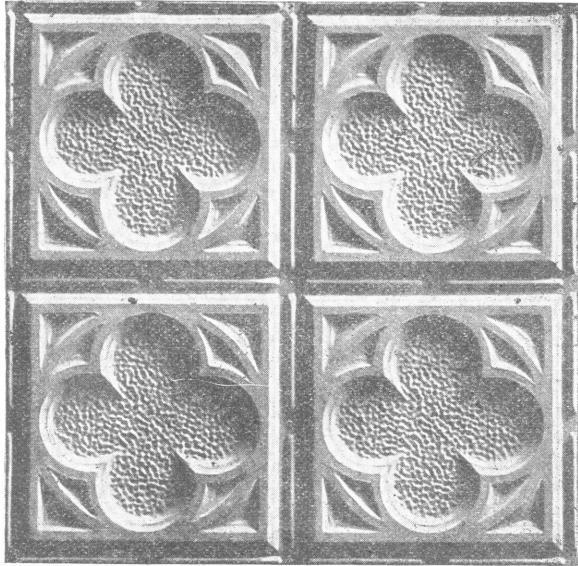


Plate No. 5006

Sizes, 24 x 24 inches and 24 x 48 inches.
Designed 12 inch multiple.
Code Word—*Abide.*

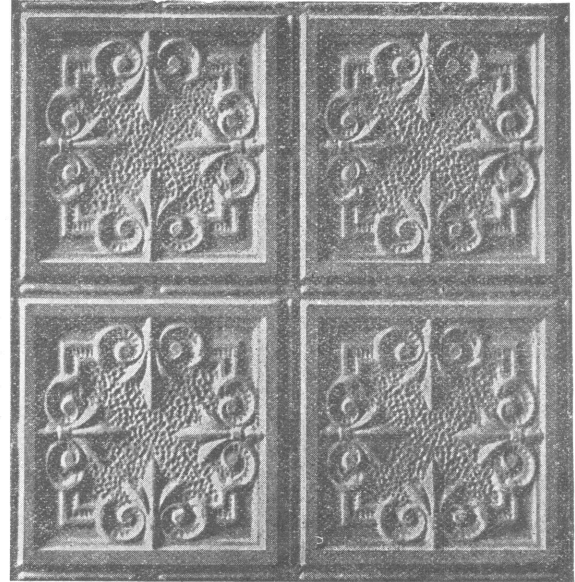


Plate No. 4005

Sizes, 24 x 24 and 24 x 48 inches.
Designed 12 inch multiple.
Code Word—*Nativity.*

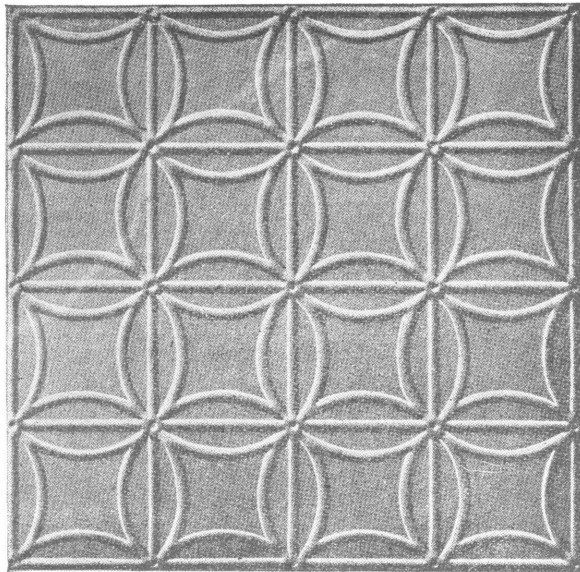


Plate No. 566

Size, 24 x 24 inches. Design, 6 inch multiple.
Code Word—*Melody.*

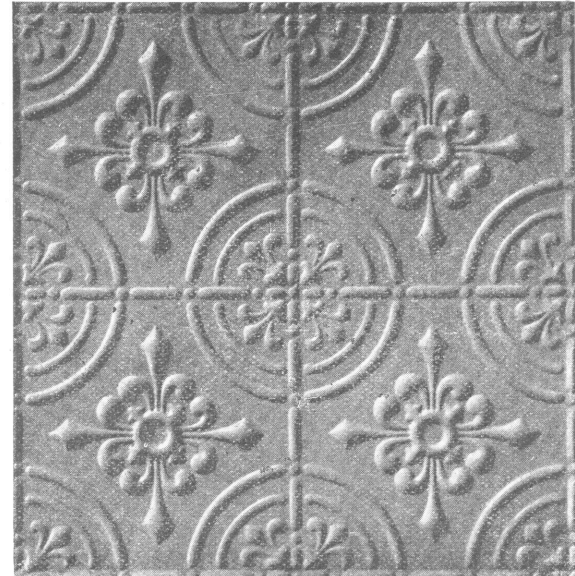
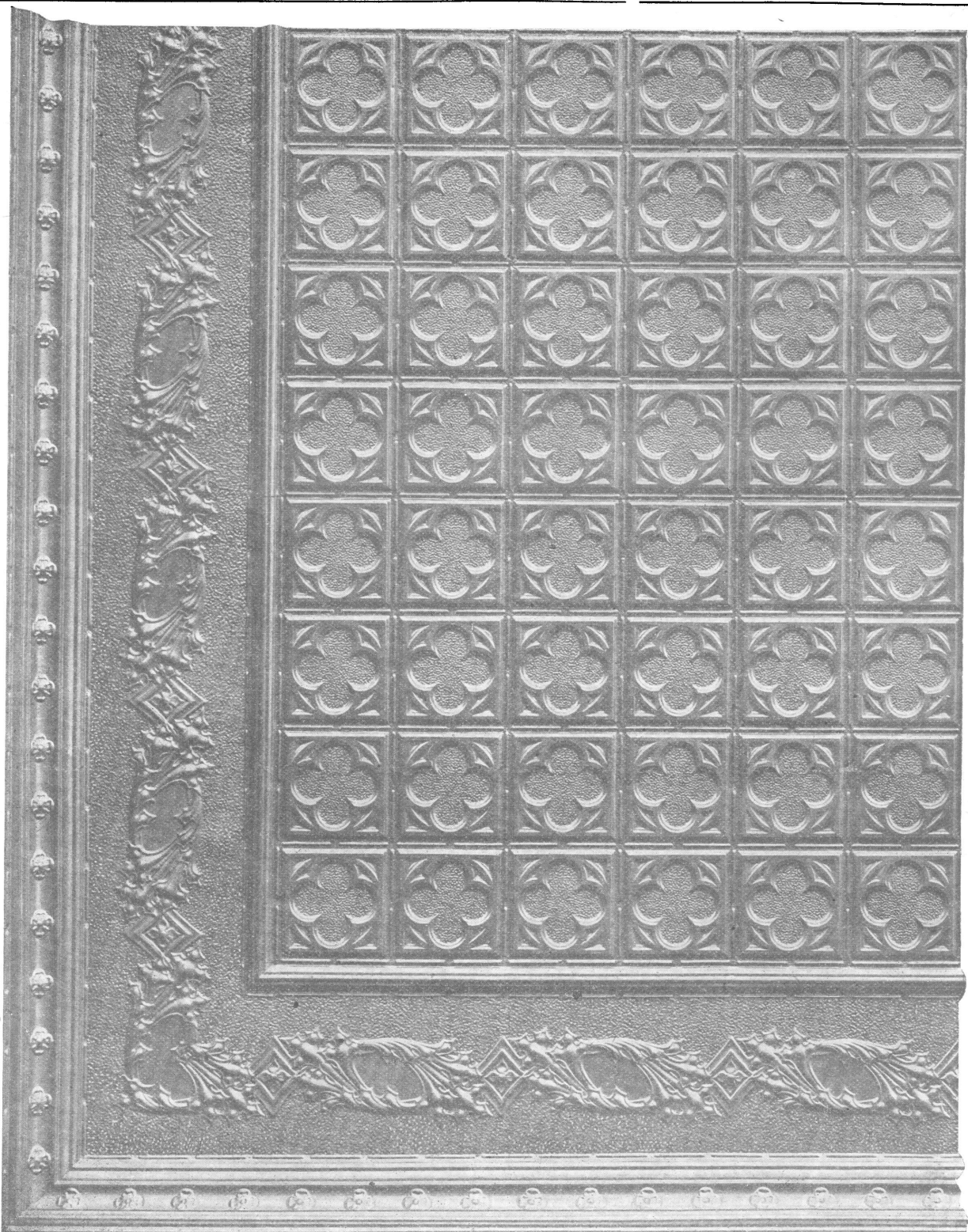


Plate No. 564

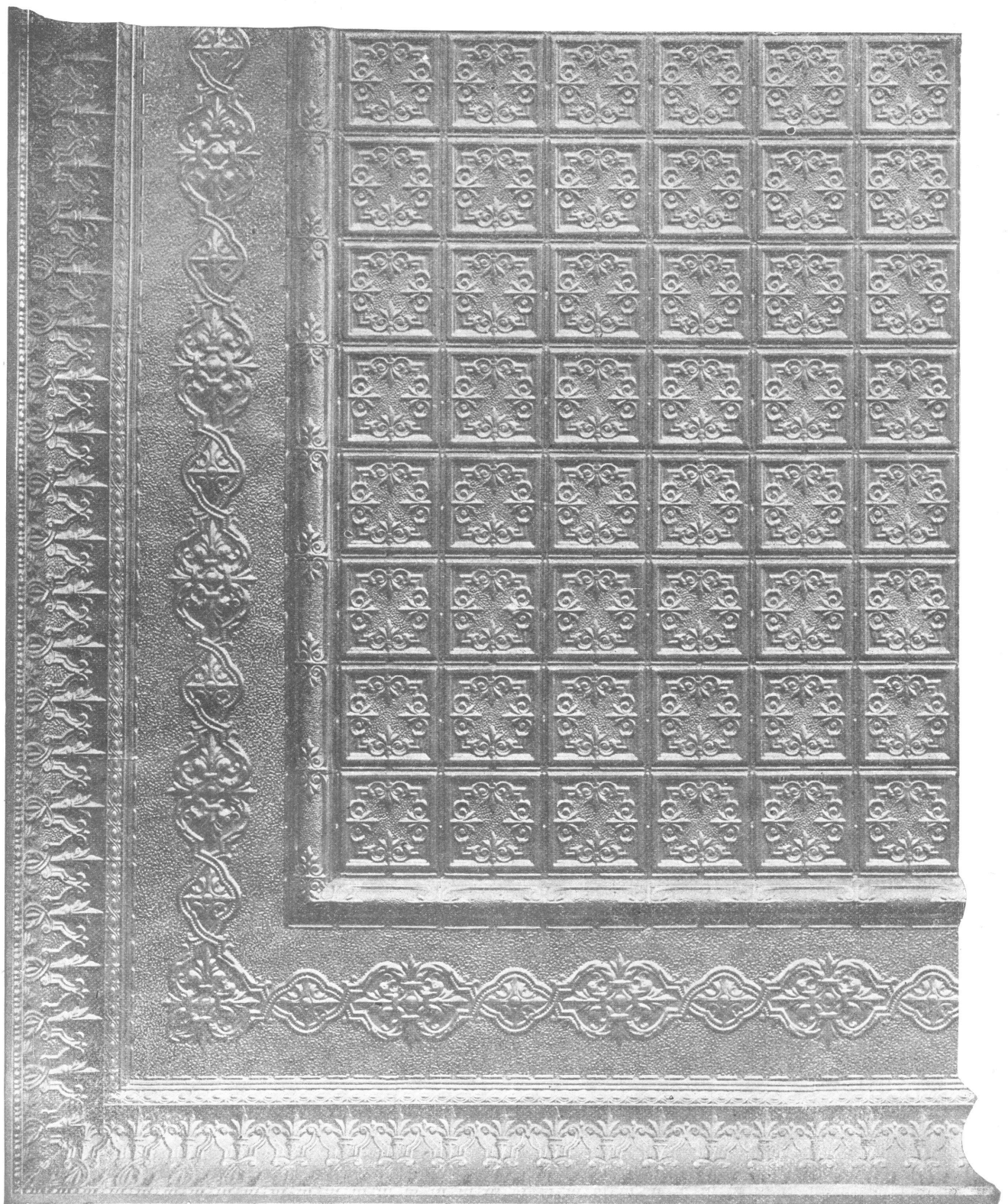
Size 24 x 24 inches. Designed 12 inch multiple.
Code Word—*Melgate.*



Gothic Design No. 5051

Composed of Cornice No. 5029, Filler No. 5028, Moulding No. 5021, and Plate No. 5006. Cornice No. 5029 drops on the wall $6\frac{1}{2}$ inches. This combination is suitable for general use, and for ceilings 9 feet or more in height. Code Word—*Accused*.

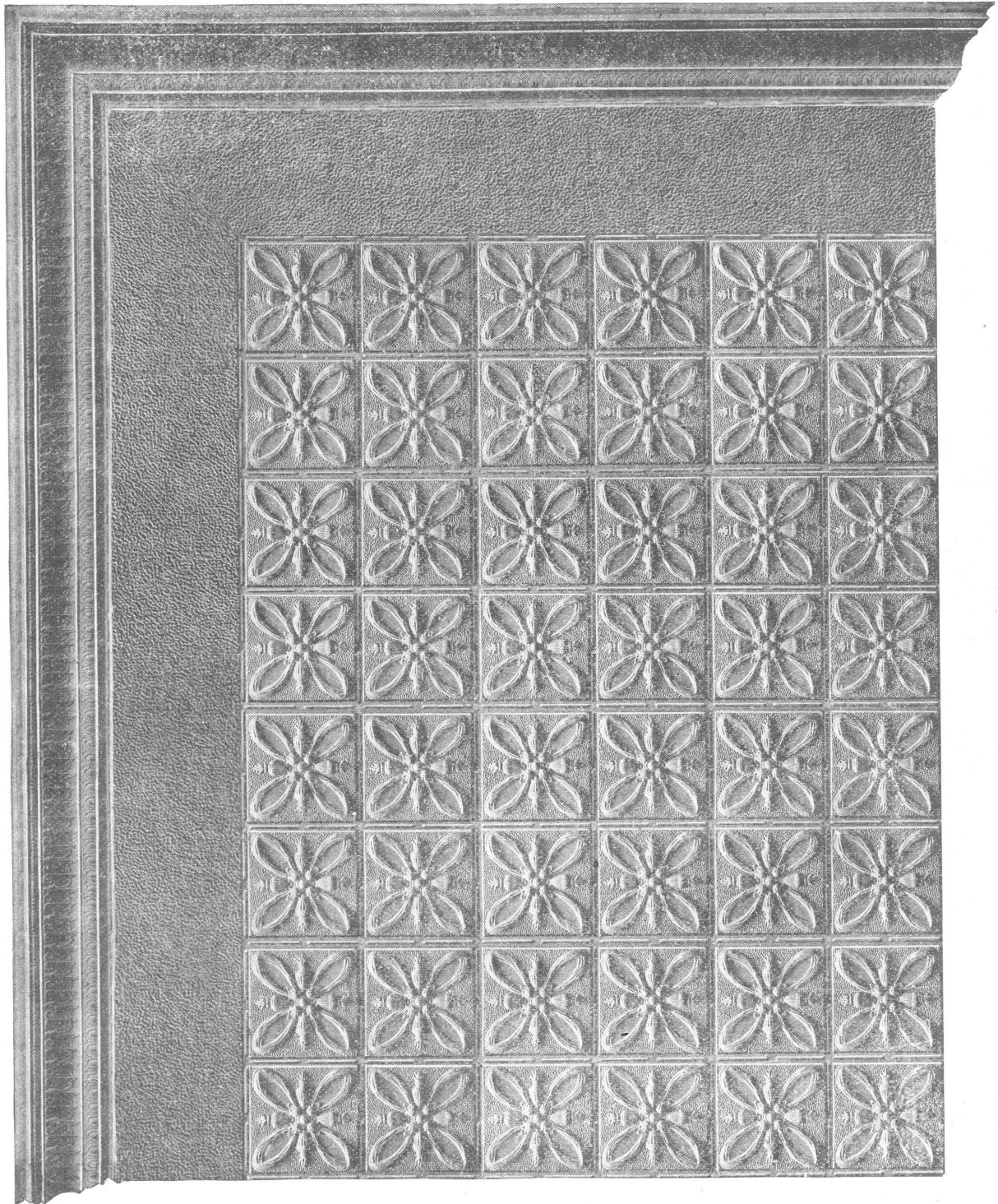
NOTE: We advise the use of $\frac{1}{2}$ inch wood sheathing over plaster or joists. When ceilings are sheathed, metal may be applied directly to the wood sheathing.



Louis XIV Ceiling Design No. 4714

Composed of Cornice No. 4301, Filler No. 4110, Moulding No. 4202, and Plate No. 4005. Cornice No. 4301 drops on wall 12 inches. This combination is suitable for general use. Code Word *Officer*.

NOTE: We advise the use of $\frac{1}{2}$ inch wood sheathing when working over plaster or joists. When ceiling is sheathed, the metal may be applied directly to the wood sheathing.

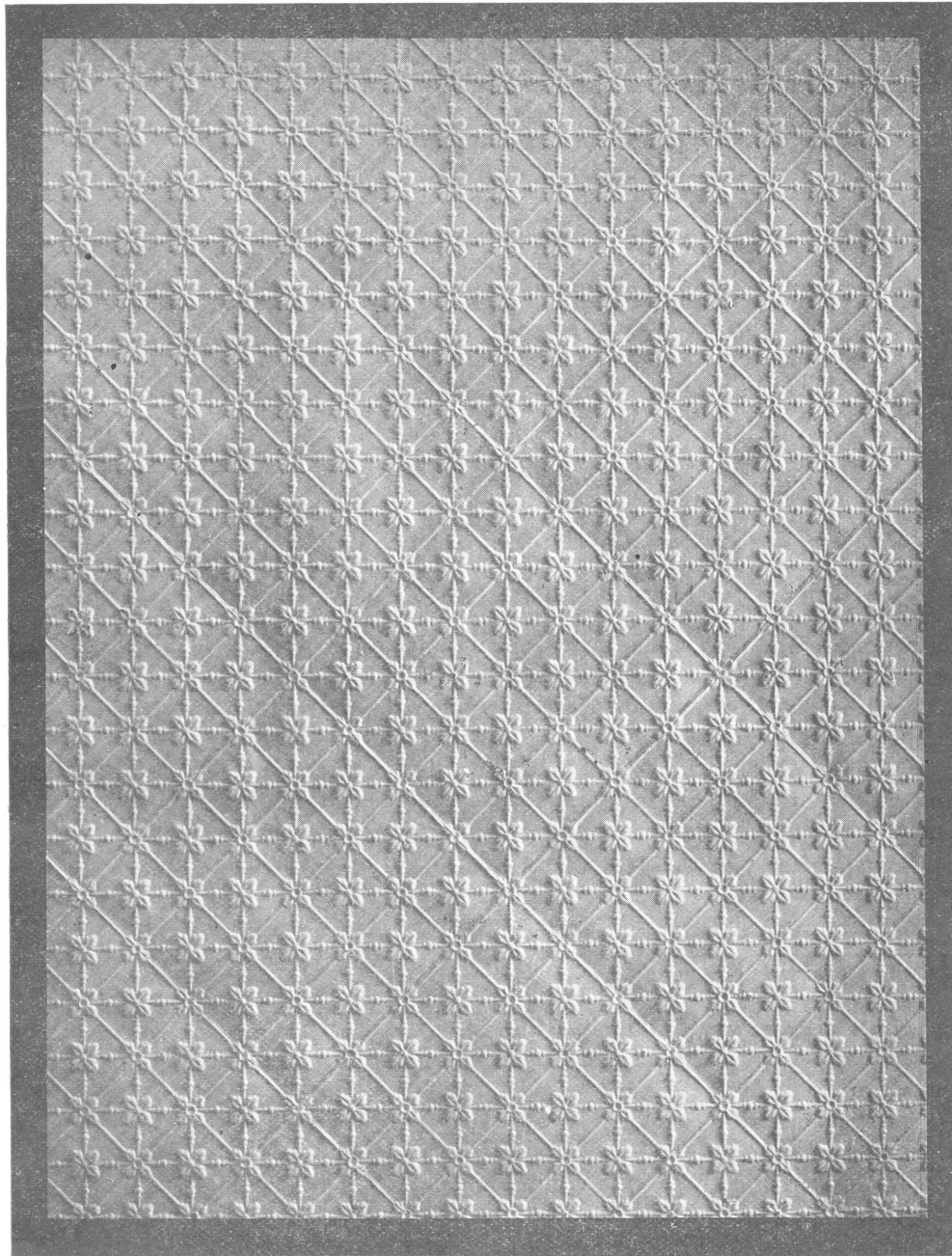


Colonial Ceiling Design No. 7052

Composed of Ceiling Plate No. 7002, Filler No. 7302, Cornice No. 7083. The Cornice drops on the wall $8\frac{1}{4}$ inches. Code Word—*Barbarism*.

NOTE:—We advise the use of $\frac{1}{2}$ inch wood sheathing when working over plaster or joists. The metal may then be applied direct to the wood sheathing.

This combination is suitable for general use and for ceilings 9 feet or more in height.



Section of Ceiling composed of Plates No. 563, applied diagonally.

We arrange these plates with Border, Mouldings, Cornice, etc., to suit individual requirements.

This method of applying metal ceilings is used in irregular rooms, small kitchens or bedrooms. A small $\frac{1}{4}$ round moulding or small cornice can be used as a trim around the edges.

"ACORN" BUILDERS' SUPPLIES

Builders who require up-to-date material of dependable quality will find that we can give them prompt and efficient service. We keep ample stocks on hand. Listed below are several "Acorn" specialties. All have proved in actual use well suited to the purpose for which they were designed. A full guarantee goes with each. A sample will be gladly sent free, without any obligation whatsoever. Send in a trial order—test our goods and our service.

If there are other supplies you require, which are not illustrated on this page, you will most probably find them included in the "Acorn" quality line. Don't hesitate to write—your enquiry will be promptly answered.

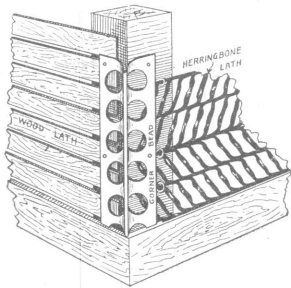


Fig. 57

"Acorn" Corner Bead

There is strength, neatness and workmanlike finish about a job built with this corner bead, that makes it appeal to any man who prides himself on good work. "Acorn" corner bead is supplied in standard ten-foot lengths—each length absolutely true and straight. It is galvanized and will not rust. Note in the illustration (Fig. 57) at the left how simply the bead is applied to the corner—no matter whether wooden or metal lath is used. It is quickly nailed in place. Makes the plasterer's work simple. Ensures a perfectly protected corner, because it reinforces the plaster at every angle. Send a trial order or write for sample. Remember—it's fully guaranteed.

HERRINGBONE METAL LATH

Economy, strength, durability, service—all dictate the use of Herringbone Metal Lath. In the first place, the house lathed throughout with Herringbone lath, and with a shingle roof, secures the same low insurance rate as a solid brick house with wood lath and a fireproof roof. And the first cost of Herringbone lath is actually lower than that of wood siding well built and painted. This modern type of lath is applied directly to the studding and plastered with cement plaster both outside and between studs. Building paper of quilt is placed between studs as shown. No other job will stand exposure to weather so staunchly as Herringbone lath, without warping. It is ribbed stiff enough to span the usual stud spacing. The ribs themselves make the finest kind of shelves to hold the wet mortar before the clinch has hardened. (Fig. 58). There is no "scaling off" of plaster with a job built with Herringbone lath.

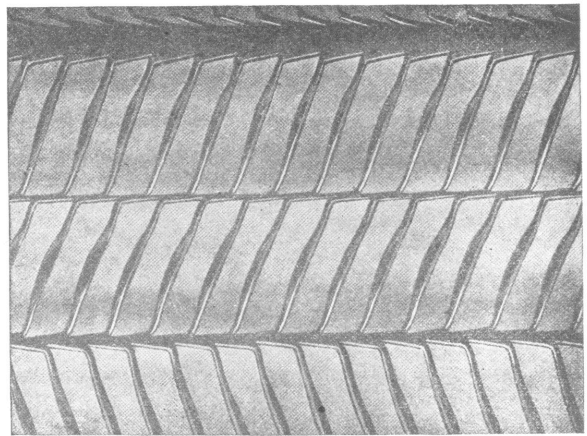


Fig. 58. "Acorn" Metal Lath

"ACORN" PLASTER CORNER BEAD

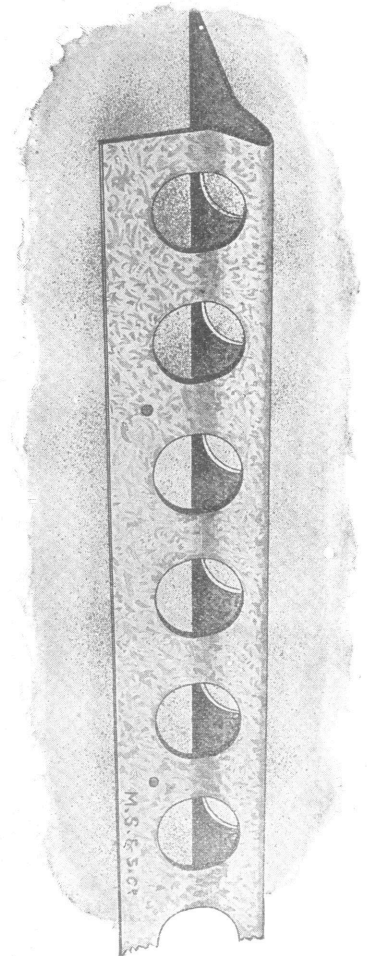
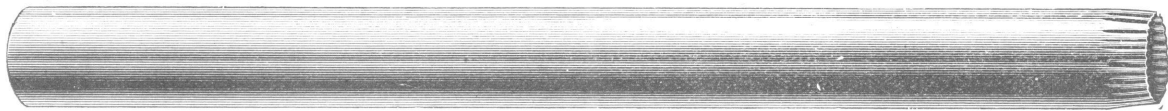


Fig. 59. "Acorn" Corner Bead



Fig. 60. "Acorn" Brick Ties

EAVE-TROUGH AND CONDUCTOR PIPE



ROUND CONDUCTOR PIPE. We can supply round conductor pipe similar to that shown in the illustration in any quantity. We make it in any size required. Our regular stock is in 10 foot lengths. We also make

Octagon Standing Seam	Corrugated Square Expanding
Corrugated Expanding	Square Lock Seam

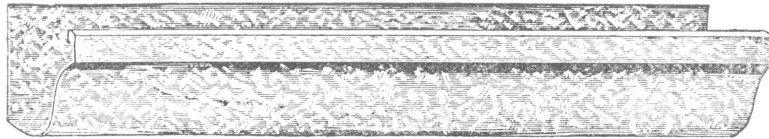


Fig. 62. Standard O. G. Pattern. (Also made in Round Bead.) We also furnish Half Round and all popular styles of Trough.

TROUGHING

We carry a very full line of troughing of our own make. The illustration (Fig. 62) shows the Standard O. G. Pattern. This is also made in Round Bead. We can also furnish Half Round and all popular styles of trough.

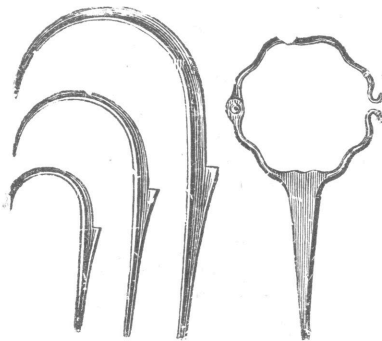


Fig. 63. Plain and Hinged Hooks Supplied in all sizes

ELBOWS

The elbows we make will be found sturdy and true to sizes specified. We can supply elbows for all styles of pipe. (Fig. 64)

HOOKS

Our line of hooks for pipe includes both plain and hinged type. They can be supplied in both styles as shown in the illustration in all sizes (Fig 63)

SPECIAL TROUGH FOR BARN. We manufacture a special trough particularly designed for barns that have a metal roof. This trough is furnished complete with hangers. For further information write us, stating the size of your barn, the length of eave and height of post. We will then

gladly submit to you a quotation covering every item of cost.

A NEW ORNAMENTAL HIP AND RIDGE

This new ridge adds greatly to the appearance of any building. At the same time it affords complete protection against all kinds of weather. It can be fitted onto all roofs, either metal or wooden. It requires no wood filler. Note the illustrations (Fig. 66) below.

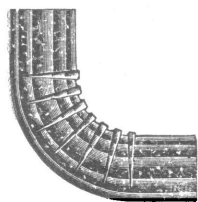
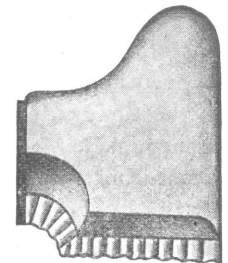
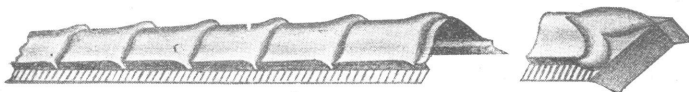


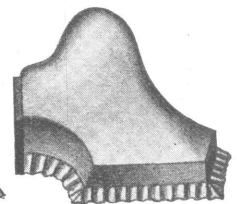
Fig. 64 Elbows. We supply these for all styles of pipe.



End Cap



Ridge and Starter



End Cap for Cottage Roofs

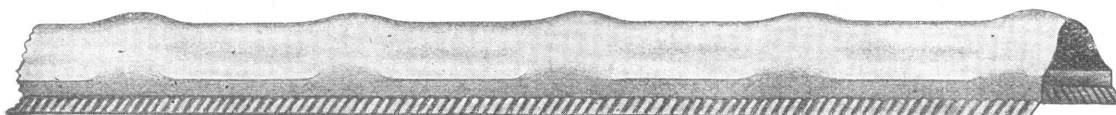


Fig. 66. Ornamental Hip and Ridge

COVER IN YOUR SILO IN THREE HOURS WITH AN "ACORN" METAL SILO ROOF

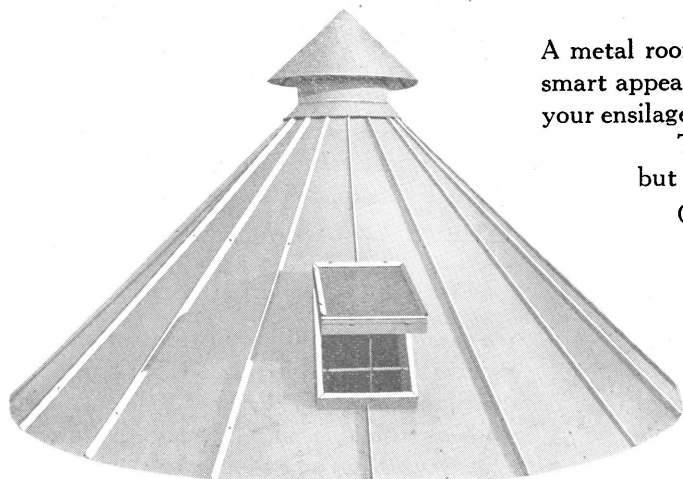


Fig. 67. Weather Proof and Lightning Proof

A metal roof on your silo will add years to its life and much to its smart appearance. Above all, it will ensure complete protection for your ensilage against the worst storms.

The "Acorn" Metal Silo Roof is not only weather-proof, but also lightning-proof.

One special feature it has which you will particularly appreciate. No expert help is needed to erect it. Just you and your hired man or one of the boys can complete the job inside of three hours.

There is no framework to build—there are no complicated parts to put together.

The sheets are Heavy "Acorn" Quality Galvanized. They have self-supporting ribs that fit snugly into one another. It is an easy and short task to bolt each section together (all holes are ready

punched), fasten the ventilator on, and anchor the roof to the silo with our special fasteners. Many of our customers demand a gothic in their roof. We have, therefore, decided to make the two styles—one with both the window and the gothic and the other with the window only.

As you will see from the illustration, this gothic is made complete is one section, and fits onto the roof the same as the other sections (Fig. 68). It is made of metal with the exception of the door which is wood. State which style you wish when you send in your order, also give inside diameter of your silo and the thickness of the walls.

"ACORN" AGRICULTURAL BOILER

AGRICULTURAL BOILER. Here is a handy cooker for feed, rendering lard, heating water and the hundred and one things a cast iron kettle is used for. The kettle is cast with a heavy bottom and smoothly finished inside. The outer casing is 16 gauge steel with a cast-iron door. Inside flues of cast-iron carry the heat around the kettle, making it a quick heater. Water will boil in from 20 to 30 minutes. Designed to set on the ground or brick foundation. Burns corn cobs, wood or waste. Fitted with elbow, one joint of pipe and damper. Made in four sizes: 30 gallons, 40, 50, and 60 gallons.

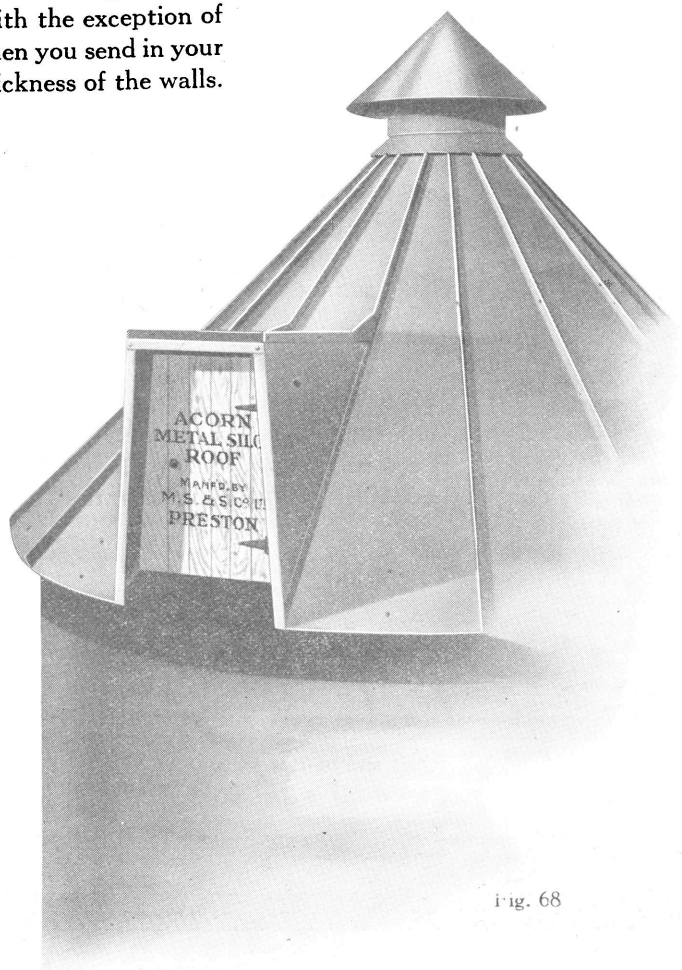
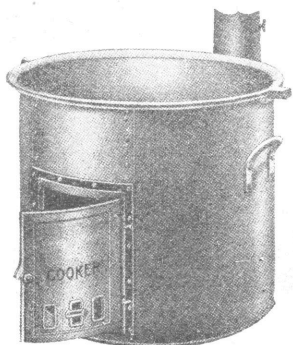


Fig. 68

HOG TROUGHS AND FEEDERS

"ACORN" TROUGHS. Strong rugged troughs of galvanized metal, made to stand the rough usage of the piggery. Ends are of malleable iron and the divisions of wrought iron. These troughs will give the best service. Carried in sizes from 2 feet to 10 feet in length. Troughs are 12 inches wide and 6 inches deep. Prompt shipments can be made.

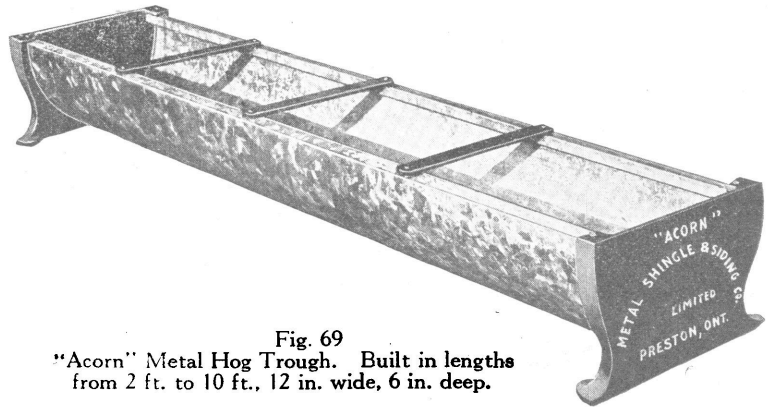
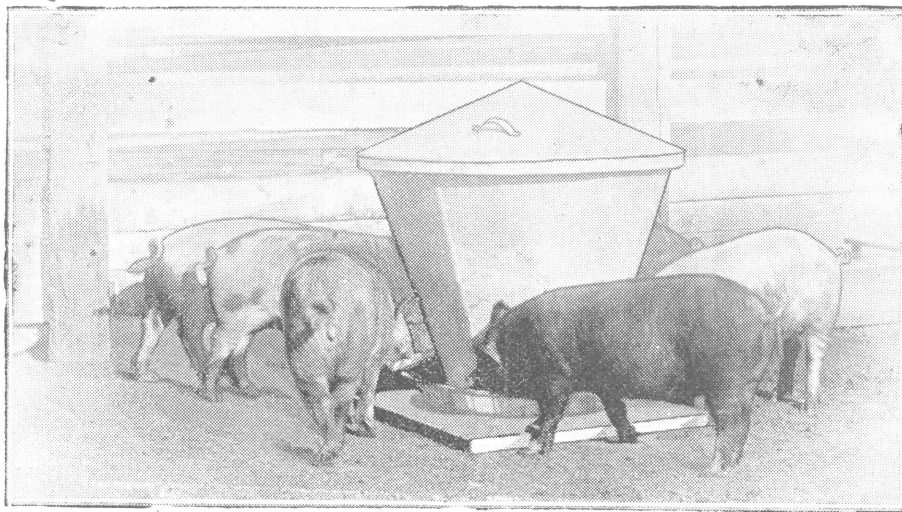


Fig. 69
"Acorn" Metal Hog Trough. Built in lengths from 2 ft. to 10 ft., 12 in. wide, 6 in. deep.



Reproduction of actual photograph taken in P. Burns and Co. Stockyards, Calgary

"ACORN" HOG FEEDER

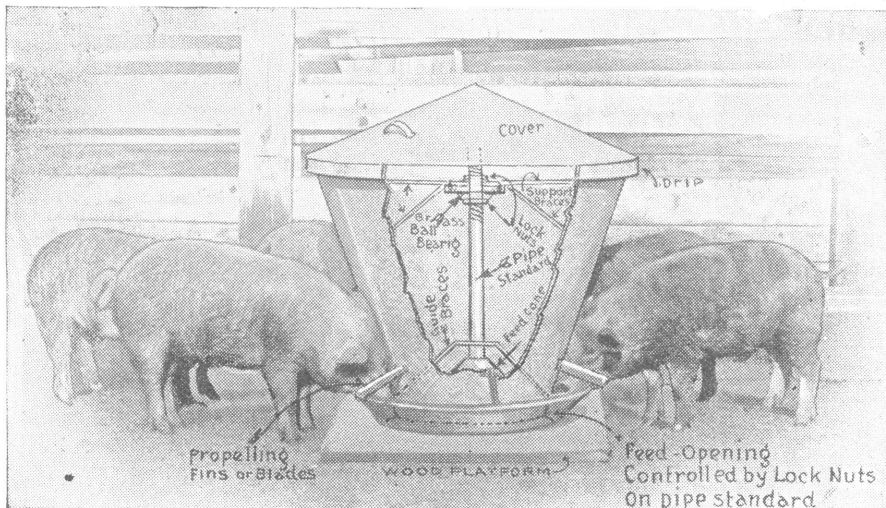
Any farmer who is going into the raising of more hogs to make the big profit that the industry offers to-day, should save time and feed by using these feeders. Actual experiments have shown that the hogs thrive faster than by any other method of feeding. Made of heavy galvanized iron, strongly reinforced with stout steel rods. Well made so as to give long wear and not to clog, rust or decay. Costs about as much as one hog.

IT SAVES CHOP

The feed from an "Acorn" Hog Self-Feeder goes into the hogs, not on the ground. Since the feeder is round, the hogs do not rub their bodies together when feeding. Thus they become more content and there is less fighting.

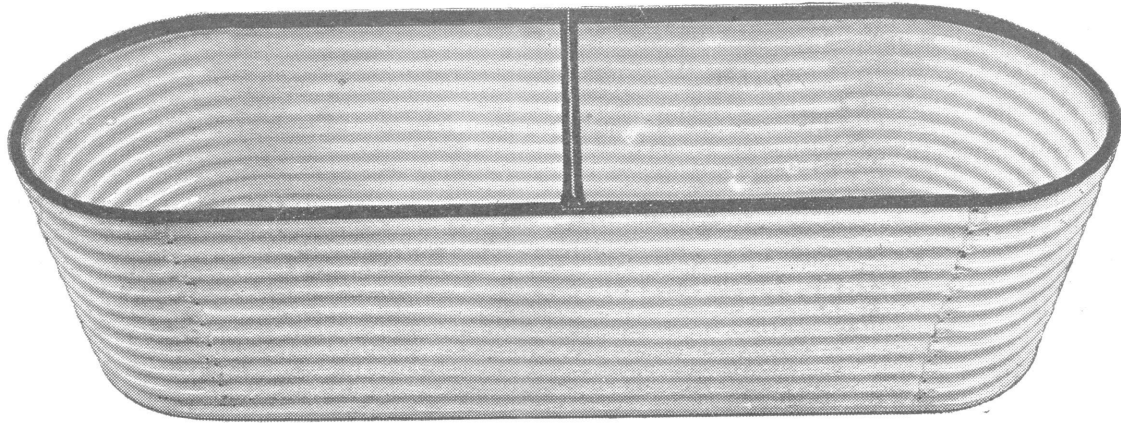
Tests have shown that with the "Acorn" hogs gain weight more rapidly on less food. Thirty hogs at a wood Hog Self-Feeder made 30 lbs. of pork for 210 lbs. of chop. Thirty hogs at "Acorn" Hog Self-Feeder made 30 lbs. of pork for 153½ lbs. of chop. Saved 56½ lbs. of chop per day.

Write us to-day, stating size in bushels capacity you require and the number of hogs you are feeding.



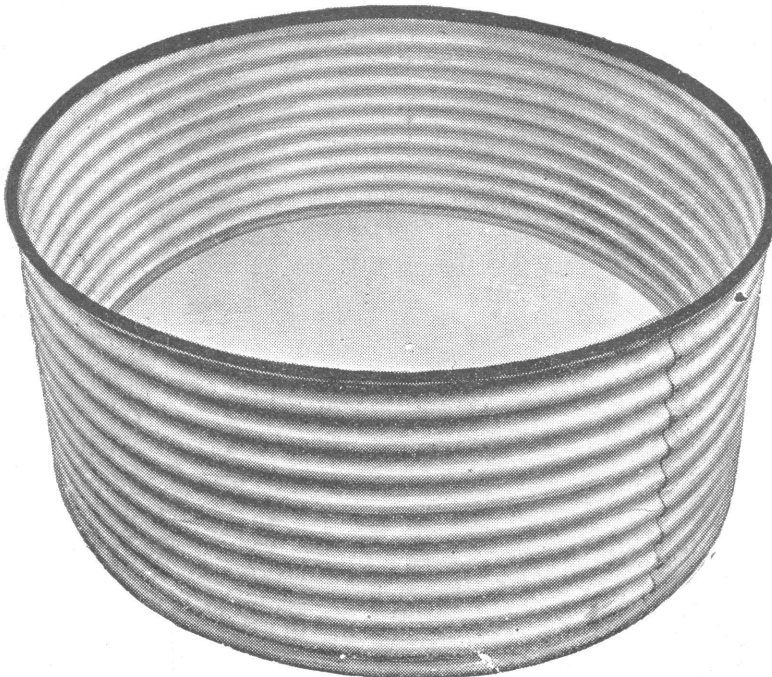
WATERING AND STORAGE TANKS AND TROUGHS

Heavy galvanized iron, strongly reinforced. Sides are 22-gauge corrugated and bottoms, 20-gauge. Angle iron around top.



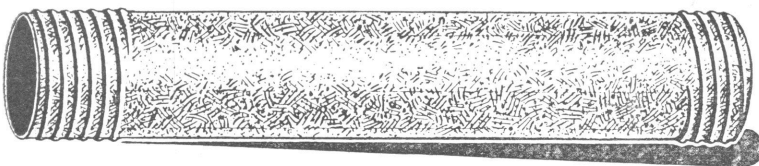
ROUND-END TANKS

No.	Width	Hght.	Length	Bbls.	Weight	No.	Width	Hght.	Length	Bbls.	Weight
30	2½'	24-26"	6'	6½	105 lbs.	33	2½'	24-26"	14'	14	185 lbs.
31	2½'	"	8'	8	125 "	34	3'	"	8'	11	140 "
32	2½'	"	10'	12	155 "	35	3'	"	10"	13	165 "



ROUND TANKS

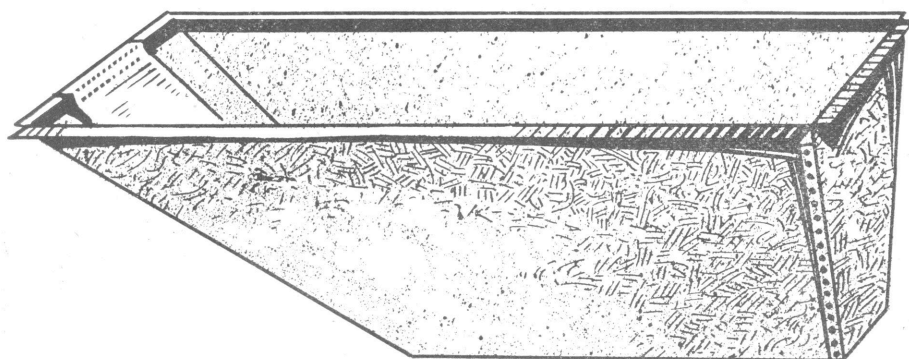
No.	Diam.	Hght.	Bbls.	Weight
10	4'	24-26"	6½	90 lbs.
11	5'	"	10	120 "
12	6'	"	15	158 "
13	7'	"	20	190 "
14	8'	"	24	235 "
(Storage tanks or cisterns).				
50	5'	4'	19	185 "
51	5'	5'	24	205 "
52	6'	4'	27	235 "
53	6'	5'	33	265 "



"Acorn" Well Casing

"ACORN" WELL CASING

In boring a well you'll find this sturdy casing a big advantage. Made of "Acorn" quality galvanized iron. In standard lengths. Thread at both ends is accurately machined.



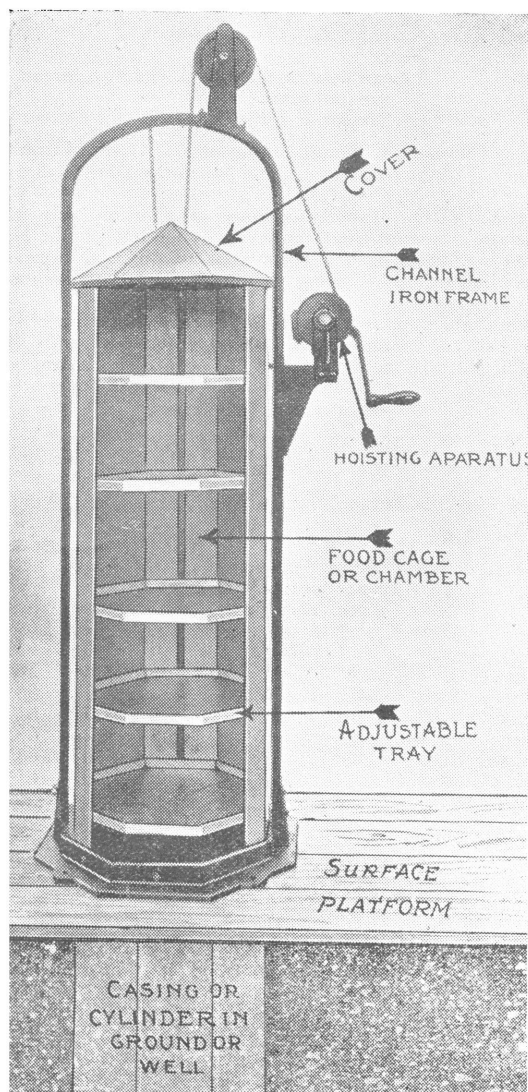
SHEEP DIPPING TANK

A heavy galvanized tank with heavy angle-iron reinforcements.

SIZES

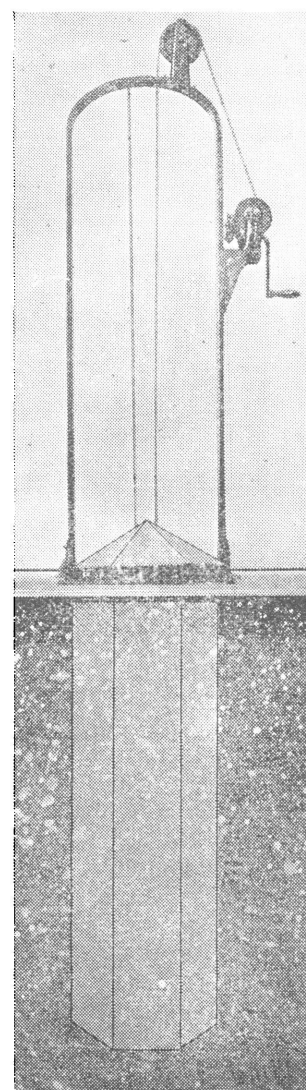
Trade No.	Height Feet	Length in Feet		Width in Inches		Weight Pounds
		Top	Bottom	Top	Bottom	
711	3½	6	3	30	12	208
712	4	8	5	20	10	226
713	4	8	5	24	10	230
714	4	8	4	30	10	230
715	4	8	5	30	10	235
716	4	10	5	24	10	320

“ACORN” ICELESS REFRIGERATOR

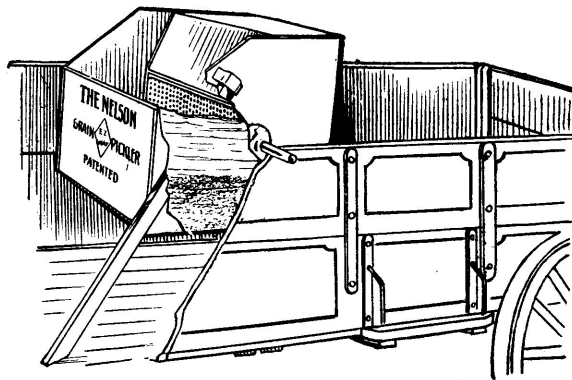


“ACORN” ICELESS REFRIGERATOR. Where ice cannot be regularly obtained nothing could be more welcome than this excellent device. Particularly for milk, cream, and butter, which demand an even temperature, the “Acorn” Iceless is better than an ice refrigerator. The illustrations show the idea very clearly. The whole is tightly enclosed and proof against dust, bugs, and moisture. It is usually sunk into the ground or in a well. The cylinder is 14 or 16 inches across, and 8 or 10 feet long. The carrier containing the shelves is 4 feet long. A child can raise or lower this carrier and there is an automatic locking device to prevent a fall of the carrier into the cylinder.

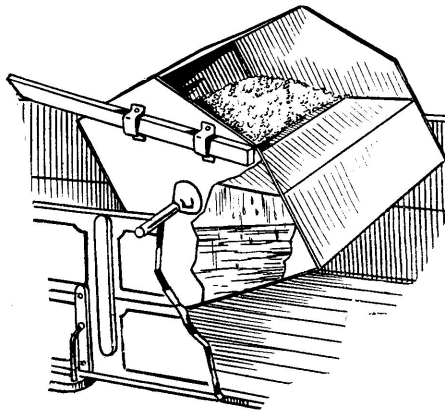
The whole device, as is readily seen from the pictures, is quite simple and free from all complications. Yet at the same time it is thoroughly effective. We have “Acorn” Iceless Refrigerators always in stock. If you are interested, write for price and further information.



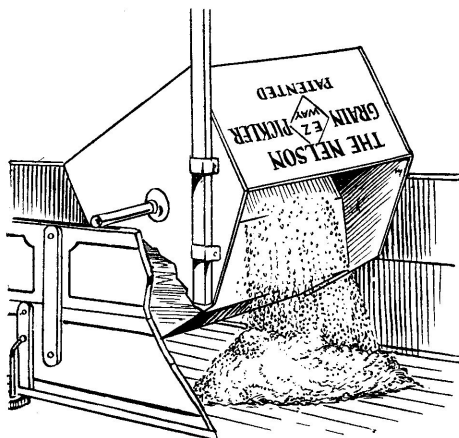
THE NELSON E-Z GRAIN PICKLER



1.—Position showing Grain in Pickle



2.—Showing Grain Draining



3.—Showing Grain being Dumped

The best way to be sure of a good grain crop is to see that seed is right. You take no chances when you treat all seed grain according to the directions of the agricultural departments.

With the E-Z Grain Pickler one man can pickle 100 bushels of grain in an hour. The pickler can be placed in a wagon as shown or on a stand in granary. You simply put the solution into the pickler, shovel in the grain, give the pickler a quarter turn. Let the grain drain a few seconds, then dump and turn the pickler back into position for the next lot of grain.

We guarantee every pickler to work satisfactorily or money will be refunded.

TREATMENT WHICH HAS PROVEN THE MOST SUCCESSFUL IN PREVENTING STINKING SMUT OF WHEAT, LOOSE SMUT OF OATS, AND COVERED SMUT OF BARLEY:

MATERIALS NEEDED: Formalin, 40% Formaldehyde
Water
A clean floor or canvas on which to spread the treated grain
The Nelson E-Z Pickler

PROPORTIONS. For the pickling solution, mix $\frac{1}{2}$ pint of Formalin in 21 gallons of water. Fill the pickler tank and put in the grain as already explained.

AMOUNT REQUIRED. Twenty gallons of solution will treat twenty bushels of grain. Several treatments can be made with the same solution as it does not lose its strength. The cost of treating with Formalin is about one cent per bushel. This seems a trifling price to pay for insurance against smut.

The two following tables show the average percentage of smut of oats and wheat, this test being for a term of five years. We would draw your attention to No. 7 Formalin-Immersed Process. You will see that in both the wheat and oats there is no smut in any of the five years over which the test extends.

RESULTS OF EXPERIMENTS TO KILL THE LOOSE SMUTS OF OATS

Materials	Percentage of Smut					Average yield of grain per acre 5 yrs. bush.
	1st year test	2nd year test	3rd year test	4th year test	5th year test	
1. Untreated	5.5	3.9	11.6	4.3	3.4	5.7
2. Hot Water	.0	.0	.0	.1	.0	.0
3. Bluestone—5 min.	1.7	.9	.7	.6	.1	.8
4. Bluestone—12 hr.	.0	.0	.0	.1	.0	.1
5. Bluestone—Sprinkled	.9	2.0	1.4	.6	1.6	1.3
6. Potassium Sulphide	3.4	.1	.3	1.5	.7	1.2
7. Formalin—immersed	.0	.0	.0	.0	.0	.0
8. Formalin—sprinkled	.0	.1	.0	.0	.0	.0

RESULTS OF EXPERIMENTS TO KILL THE STINKING SMUT OF WHEAT

Materials	Percentage of Smut					Average yield of grain per acre 5 yrs. bush.
	1st year test	2nd year test	3rd year test	4th year test	5th year test	
1. Untreated	3.6	9.3	.6	.6	6.8	4.2
2. Hot Water	.0	.0	.0	.0	.0	.0
4. Bluestone—12 hrs.	.0	.0	.0	.0	.0	.0
5. Bluestone—Sprinkled	.0	.2	.0	.0	.1	.1
7. Formalin—Immersed	.0	.0	.0	.0	.0	.0
8. Formalin—Sprinkled	.0	.0	.0	.0	.0	.0

"ACORN" STEEL SKYLIGHTS

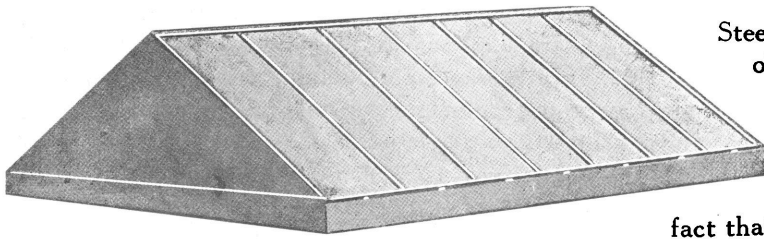


Fig. 70. Double pitch skylight set on level curb. Blank ends of metal. Supplied also with "Louvre" ventilators in ends.

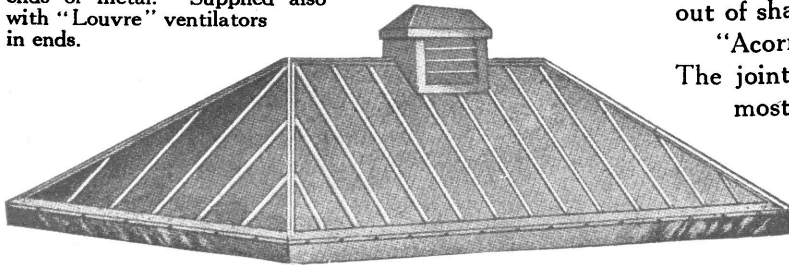


Fig. 71. Hipped skylight, with one or more "Louvre" ventilators.

Steel skylights have practically done away with the old-style wood skylights. Two important advantages are the reason for this preference given to the steel skylight. In the first place, they are practically indestructible either by time or fire. The second point of superiority is the fact that they admit more light, having only thin frame members. In addition, they will not rust, warp, or get out of shape.

"Acorn" skylights are all metal—formed of one piece. The joints are well riveted and soldered—making the most thoroughly lasting, stormproof and fireproof skylight construction on the market. The condensation gutter extends just outside the glass rest—there is no condensation on the inside and consequently no chance of moisture spoiling anything underneath the skylight. To secure a safe, proper and watertight rest, we leave scope for bedding the glass in putty. These

skylights are scientifically built to allow for expansion and contraction. They can be supplied in any size and style on short notice. The cuts give suggestions only of the many forms of skylight we make.

ORMSBY-LUPTON STEEL SASH

Buildings with wooden sash are not fireproof, no matter what the material used in the construction may be. Farmers who seek protection must do as practical business men do in building factories—use metal sash.

In stables and farm buildings the use of metal sash is particularly desirable. Because the frame members are thin, a window built of steel sash will admit considerably more light than a window built with a wood frame. This is an important advantage. But it is not the chief. Every farmer knows that the moisture around a stable causes wood to warp. Windows then stick, and inadequate ventilation results. Steel sash cannot warp. It is close-fitting, yet easy-working. And it is everlasting and absolutely weatherproof.

Ormsby-Lupton Steel Sash has a patent interlocking device at the joints that secures strength and gives no opportunity for corrosion. Positively no trimming of the glass to make it fit is necessary, because our construction ensures absolute and uniform accuracy.

The table below shows the standard sizes most commonly called for. These are always carried in stock and shipments are made on receipt of order. Let us know just what your needs are and we will give you complete information.

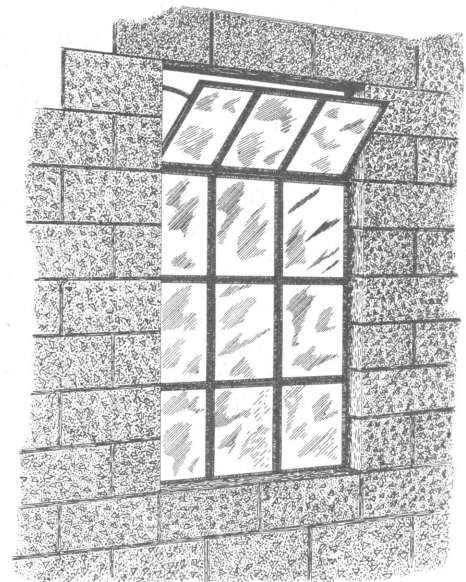


TABLE SHOWING WIDTHS AND HEIGHTS OF SINGLE SASH UNITS

Width per Light	2 Lights Wide	3	4	5	6
10"	1' 9 ³ / ₈ "	2' 8"	3' 6 ³ / ₈ "	4' 4 ³ / ₈ "	5' 3 ¹ / ₈ "
11"	1' 11 ³ / ₈ "	2' 11"	3' 10 ³ / ₈ "	4' 9 ³ / ₈ "	5' 9 ¹ / ₈ "
12"	2' 1"	3' 2"	4' 2 ³ / ₈ "	5' 2 ³ / ₈ "	6' 3 ¹ / ₈ "
13"	2' 3 ³ / ₈ "	3' 5"	4' 6 ³ / ₈ "	5' 7 ³ / ₈ "	6' 9 ¹ / ₈ "
14"	2' 5 ³ / ₈ "	3' 8"	4' 10 ³ / ₈ "	6' 0 ³ / ₈ "	7' 3 ¹ / ₈ "

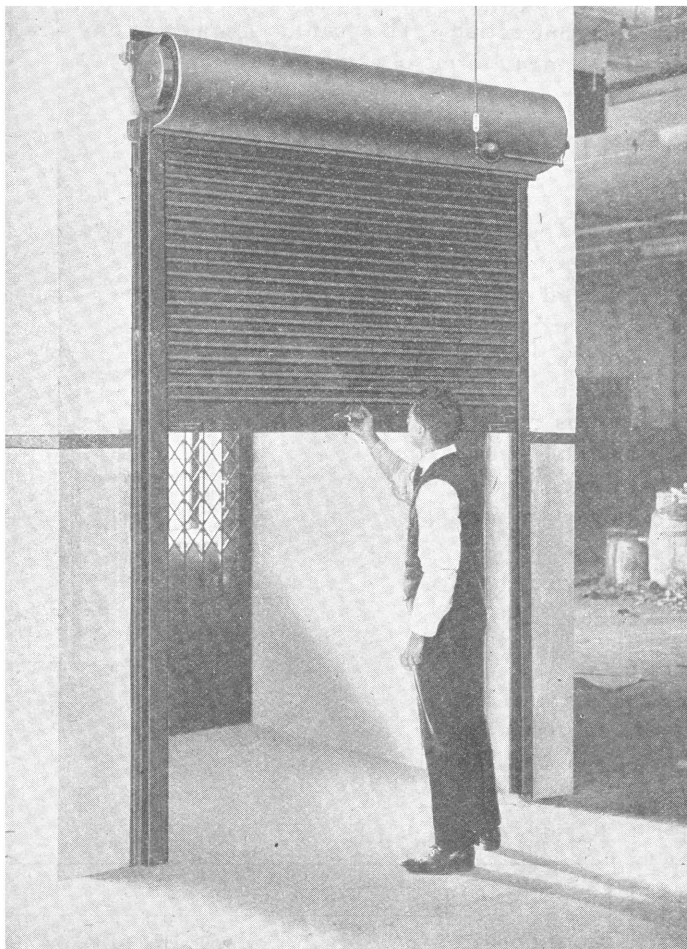
Height per Light	2 Lights High	3	4	5	6
16"	2' 9 ⁵ / ₈ "	4' 2"	5' 6 ³ / ₈ "	6' 10 ³ / ₈ "	8' 3 ¹ / ₈ "
17"	2' 11 ⁵ / ₈ "	4' 5"	5' 10 ³ / ₈ "	7' 3 ³ / ₈ "	8' 9 ¹ / ₈ "
18"	3' 1 ⁵ / ₈ "	4' 8"	6' 2 ³ / ₈ "	7' 8 ³ / ₈ "	9' 3 ¹ / ₈ "
19"	3' 3 ⁵ / ₈ "	4' 11"	6' 6 ³ / ₈ "	8' 1 ³ / ₈ "	9' 9 ¹ / ₈ "
20"	3' 5 ⁵ / ₈ "	5' 2"	6' 10 ³ / ₈ "	8' 6 ³ / ₈ "	10' 3 ¹ / ₈ "

ORMSBY FIRE DOORS

We manufacture every kind of fire door, from the ordinary tin-clad door to the more modern Rolling Steel Door. All doors made by us bear the Underwriters' Label. This ensures high-grade materials, good workmanship and substantial construction. Consequently, using any of our doors means not only securing the lowest insurance rate possible, but also getting a job that will give thorough satisfaction.

ORMSBY ROLLING STEEL DOORS are worthy of particular mention. This is the modern type of door adopted in big modern factories and buildings. It gives complete fire protection, 100 per cent. efficient. The Underwriters gave it their approval after the severest tests. This door is devised especially for use in awkward openings that admit of no room for sliding or hinged doors. It takes less than 3 inches space on either side of the opening and from 10 to 14 inches overhead. Counter-balanced springs make it easy to operate—smaller sizes by hand, larger sizes by chain or fool-proof motor. In case of fire, it is automatically closed by the action of two fusible links.

In many old buildings, as well as new, the installation of Ormsby Rolling steel doors brings big economy of space, marked convenience, adequate fire-protection, and appreciable lowering of fire premiums. Blue prints and full information sent on request.



An Ormsby Rolling Steel Door Protecting Elevator Shaft in the new T. Eaton Co. Factory. Note that the door is easily raised by one hand

Some Recent Installations

The new Kodak Building, Toronto, 68 doors.
T. Eaton Co., Factory, Toronto, 57 doors.
Goodyear Tire & Rubber Co., New Toronto, 46 doors.
International Nickel Co., New Toronto, 86 doors.

Toronto, Oct. 16th, 1917

A. B. Ormsby Co., Limited.
48 Abell St., Toronto.

Gentlemen,—In reference to the steel doors supplied by you on our building we cannot speak too highly of same as they have been very satisfactory in every respect, and have not the least hesitation in recommending same.

Respectfully yours,

Wm. Wrigley Jr. Co., Limited.
R. Hall, Building Supt.

Hamilton, Canada, Oct 16th, 1917.

Messrs. A. B. Ormsby Co., Limited,
Toronto, Ontario.

Gentlemen,—In reply to your inquiry of October 13th re your Rolling Steel Doors with Fusible Link Attachment, which we installed some time ago, we are pleased to advise you that we find these very satisfactory, they are easily operated and occupy a minimum space, and appear [to be well and strongly made in all respects.

Yours very truly,

The Chipman, Holton Knitting Co., Limited,
M. B. Holton.

Montreal, October 23rd, 1917.

Messrs. A. B. Ormsby Co.,
Toronto, Ont.

Gentlemen,—Regarding Rolling Steel Doors supplied by you and erected by ourselves for different contracts, we wish to say that they have been very satisfactory; in fact, in a number of cases we have had repeat orders. In comparing them with foreign built doors, we feel that they are just as good in every way, operate very easily, are just as fire-proof, and as easy, if not easier, to install, and besides this, we find we get better delivery than foreign doors.

We are, yours truly,

John Watson & Son of Montreal, Limited.
J. A. Watson.

Calgary, Canada, Nov. 6th, 1917.

The Metal Shingle and Siding Co.

Gentlemen,—Replying to yours, re Rolling Steel Shutters installed in City Power Plant here, I am pleased to be able to inform you that the job in its entirety is absolutely satisfactory, and I consider your shutters to be the equal of any I have ever seen.

Yours very truly,

Jas. F. McCall,
Supt. and Chief Engineer
for City of Calgary.

