

Anatomy of a **Barn**

Your Guide to Pacific Northwest Types, Styles & Character Defining Features

+ Silos



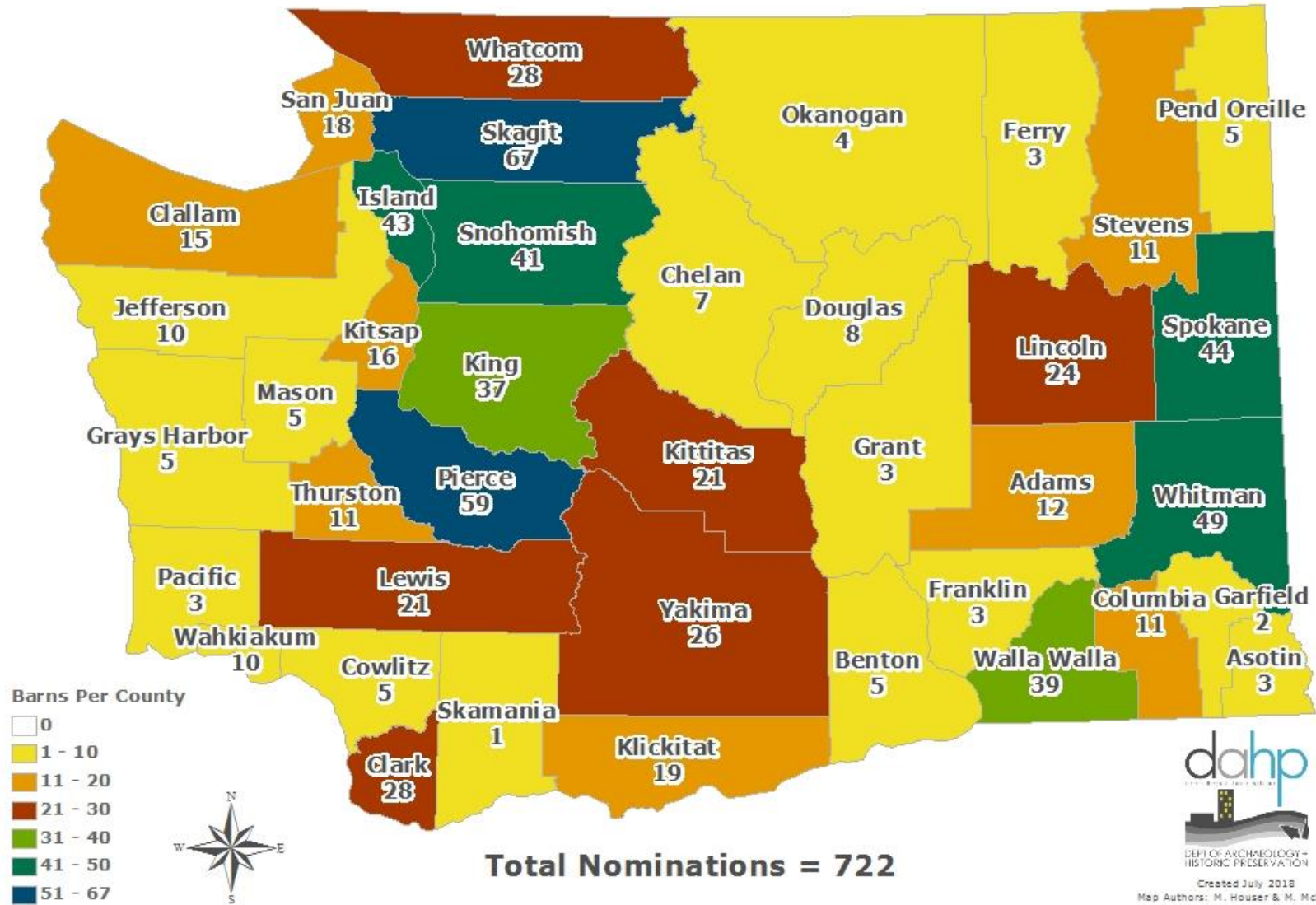
Michael Houser,
*Washington State
Architectural Historian*



April - 2024

Heritage Barn Register Listings Per County

Totals for Rounds 1 - 26

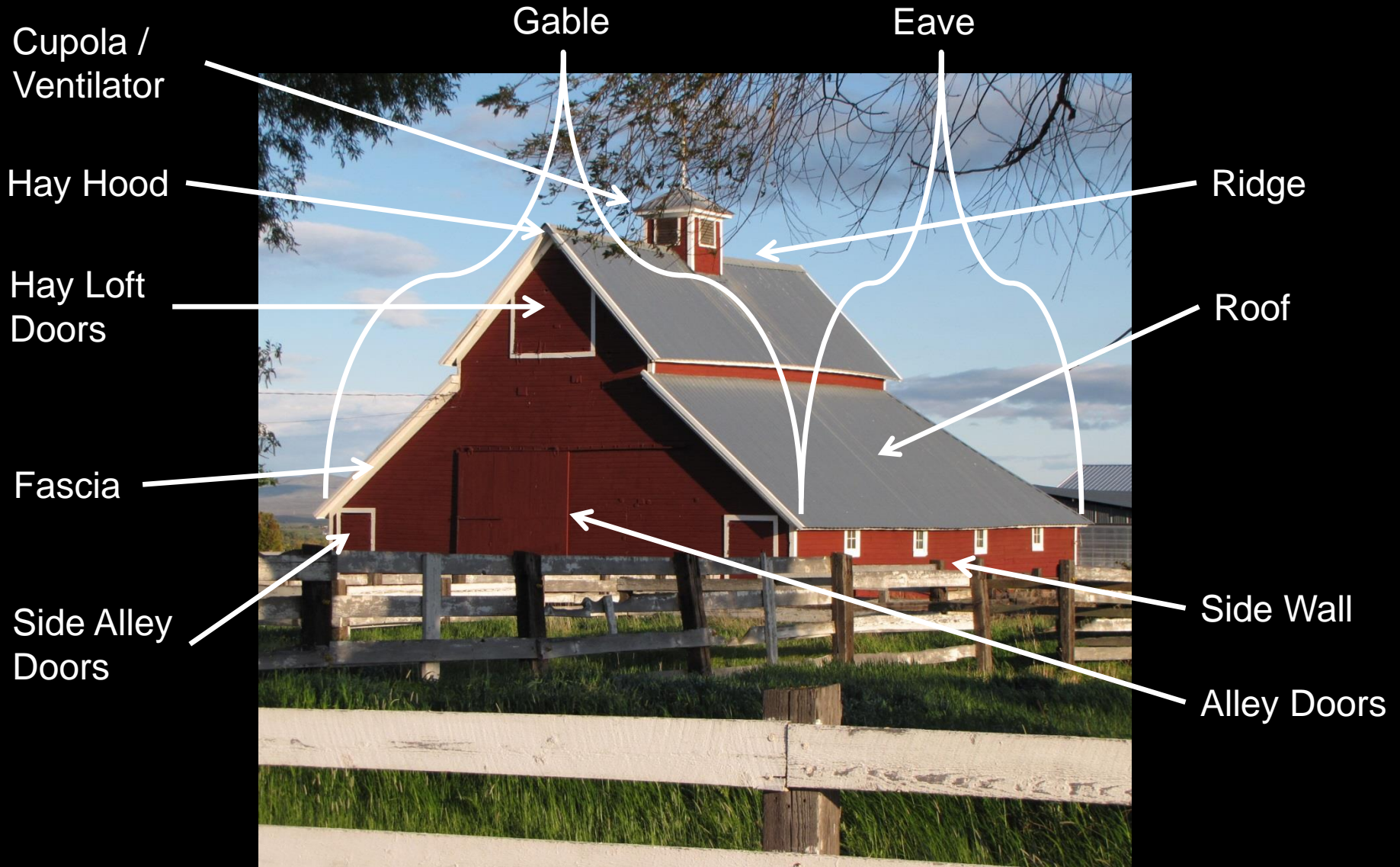


DEPT. OF ARCHAEOLOGY & HISTORIC PRESERVATION

Created July 2018

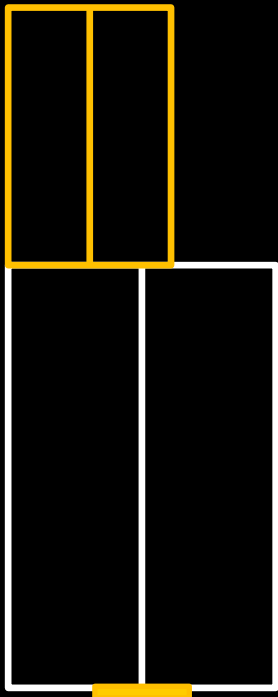
Map Authors: M. Houser & M. McLemore

Barn Elements

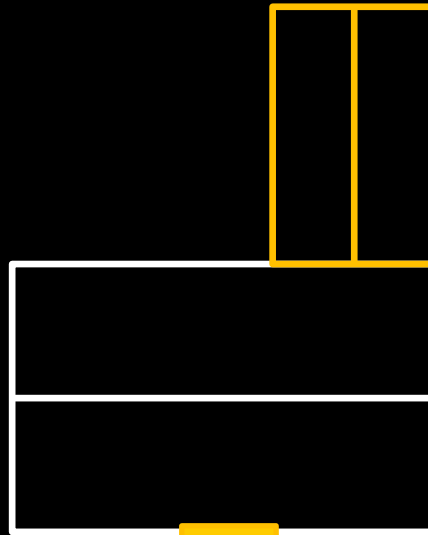


Barn Elements

Wing **vs.** Ell **vs.** Lean-to



Wing



Ell

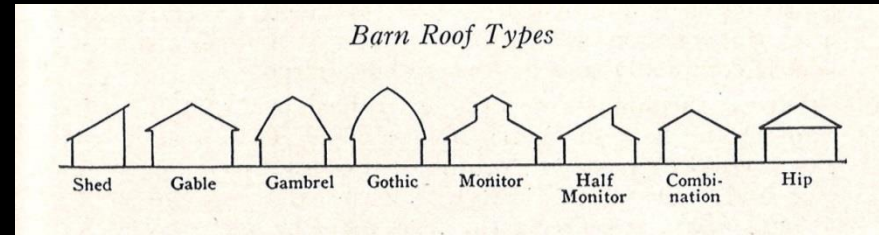


Lean-to

Barn Plan View

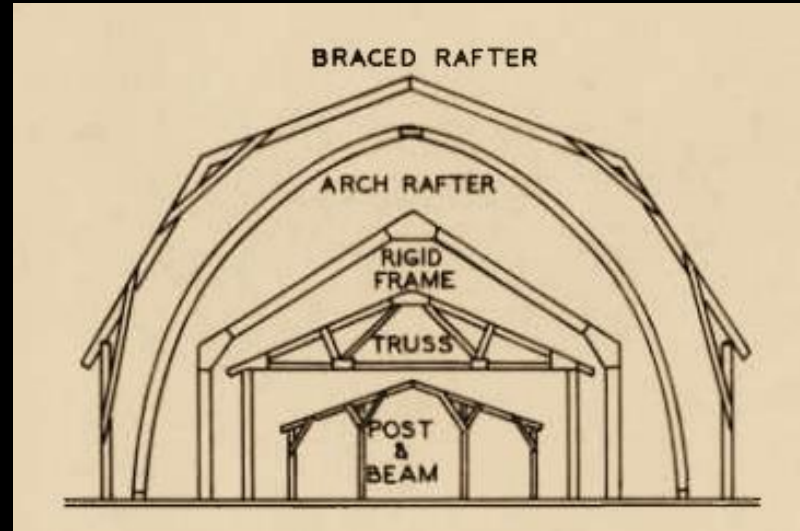
Barn

Forms and Types




Barn classification can be based on:

- Use/Purpose,
- Plan and shape,
- Framing system,
- Roof form ← *DAHP method*



HALLOWEEN MASQUERADE DANCE
TOMLINSON'S BARN
 3½ Miles West of Plaza on Bonnie Lake-Plaza Road

Souvenirs
Prize Waltz
Three Special Prizes

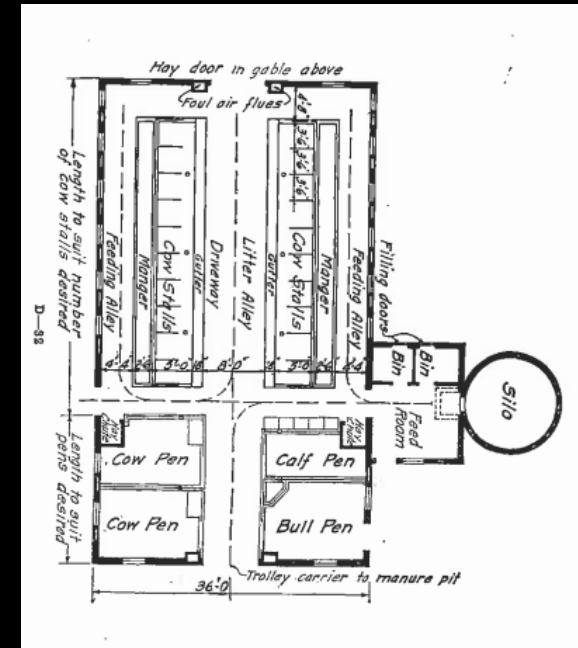


Special Feature
DOT & DASH
High Class Entertainers

Best Character Costume—Gentleman
 Best Character Costume—Lady
 Most Comical Costume

CHET GRIFFITH'S NIGHT HAWK ENTERTAINERS

Lunch Room In Connection



Barn - Forms & Types

Gable (sometimes referred to as an English / Yankee barn)



Shed, OR



Boyd, OR



Champoeg State Park, OR



Graham, WA



Kitsap County, WA

Barn - Forms & Types

Gable (sometimes referred to as an English barn)



Adams County, WA



Fox Island, WA



Peirce County, WA



Lincoln County, WA



Skagit County, WA



Dayville, OR

Barn - Forms & Types

Salt Box (integrated lean-to)



Dayton, WA



Spokane County, WA



Wallowa Valley, OR



Brownsville, OR



Pierce County, WA

Barn - Forms & Types

Salt Box (integrated lean-to)



Anderson Island, WA



Finley National Wildlife
Refuge, Benton County, OR



Waitsburg, WA



Philomath, OR



Poulsbo, WA

Barn - Forms & Types

Dutch Barn (roof projecting down to 1st floor)



Stevens County, WA



Dufur, OR



Benton County, OR



Snohomish County, WA



LaPine, OR

Barn - Forms & Types

Dutch Barn (roof projecting down to 1st floor)



Labanon, OR



Colfax, WA



Skagit County, WA



Victor Point, OR

Barn - Forms & Types

Broken Gable / Gable with High Lean-tos



Klamath Falls, OR



Walla Walla, WA



Edgewood, WA



San Juan County, WA



Hayward, OR

Barn - Forms & Types

Broken Gable / Gable with High Lean-tos



Diamond, OR



Deschutes County, OR



Eastonville, WA



Walla Walla County, WA

Barn - Forms & Types

Gable-on-Hip



Drake Crossing, OR



Snohomish, WA



Coupeville, WA



Burnt Wood, OR

Barn - Forms & Types

Gable-on-Hip



Walla Walla County, WA



Weston, OR



Dufur, OR



Molalla, OR



San Juan County, WA

Barn - Forms & Types

English Gambrel



Thurston County, WA



Ellensburg, WA



Enterprise, OR



Donald, OR



Lynden, WA

Barn - Forms & Types

English Gambrel



Tangent, OR



Columbia County, WA



Alderton, WA



Lincoln County, WA

Barn - Forms & Types

Dutch Gambrel (note flare at eave line)



Fairfield, WA



Milton, WA



Grays Harbor, WA



Scappose, OR



Willamette Valley, OR



Salem, OR

Barn - Forms & Types

Dutch Gambrel (note flare at eave line)



Woodburn, OR



Puyallup, WA



Pend Oreille County, WA



Troutdale, OR



Island County, WA

Barn - Forms & Types

Gambrel w/Lean - To



Pierce County, WA



Mount Vernon, WA



Elgin, OR



Yakima County, WA

Deer Park, WA

Barn - Forms & Types

Gambrel w/Lean - To



Graham, WA



Scholls, OR



Snohomish County, WA



Sheridan, OR

Barn - Forms & Types

Hip



Coupeville, WA



Condon, OR



Moxee, WA



Vancouver, WA

Barn - Forms & Types

Gothic (pointed arch roof truss)



Tacoma, WA



Lacey, WA



Vancouver, WA



Willamette Valley, OR



Wilbur, WA

Barn - Forms & Types

Gothic (pointed arch roof truss)



Stayton, OR



Colfax, WA



Uniontown, WA



Weston, OR

Barn - Forms & Types

Bow / Rainbow Truss

(note completely arched trusses)



King County, WA



Pullman, WA



Ridgefield, WA



Satsop, WA



Sedro Wooley, WA



Barn - Forms & Types

Western Barn/ Monitor Barn / Basilican



Joseph, OR



Wasco, OR



Pouso, WA



Yakima County, WA



Skagit County, WA

Barn - Forms & Types

Western Barn/ Monitor Barn / Basilican



Stanwood, WA



Joseph, OR



Linn County, OR



Thurston County, WA

Barn - Forms & Types

Conical / Round / Centric Barns



Klickitat County, WA



Sisters, OR



Lostine, OR



Medical
Lake,
WA



Joseph, OR



Diamond, OR



St. Johns, WA

Barn - Forms & Types

Centric / Round / Conical Barns



Lakeview, OR



Hillsboro, OR



Pullman, WA



Grandview, WA



Blachly, OR



Lookingglass, OR

Barn Paint

HOMEGUARD SUPER QUALITY BARN PAINT

This brilliant red, high gloss, top grade paint will protect your property for years. It is economical because it wears so long. Barn paint must provide maximum protection at minimum cost. Made from the finest ingredients available . . . assures great covering power and extreme durability. Each of its fine, balanced characteristics prove this to be, "a barn paint of real quality."

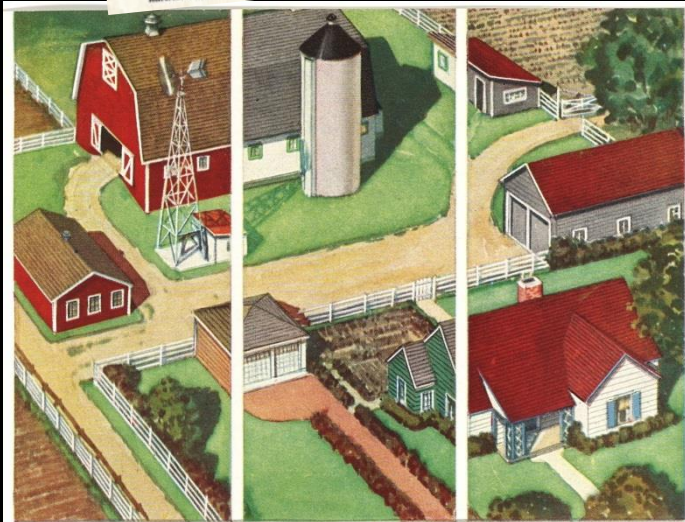
HOMEGUARD SUPER QUALITY

PAINT FINISHES FOR EVERY SURFACE

- INTERIOR GLOSS ENAMEL
- EXTERIOR TRIM
- SEMI-GLOSS FINISH
- PORCH & FLOOR ENAMEL
- HOUSEHOLD ENAMEL
- SHINGLE STAIN
- DURA-TONE
- IMPLEMENT ENAMEL
- COLOR VARNISH
- BARN PAINT
- AUTO ENAMEL

GAMBLE STORES MINNEAPOLIS
WESTERN STORES LOS ANGELES





LIFE IS COLORFUL DOWN ON THE FARM

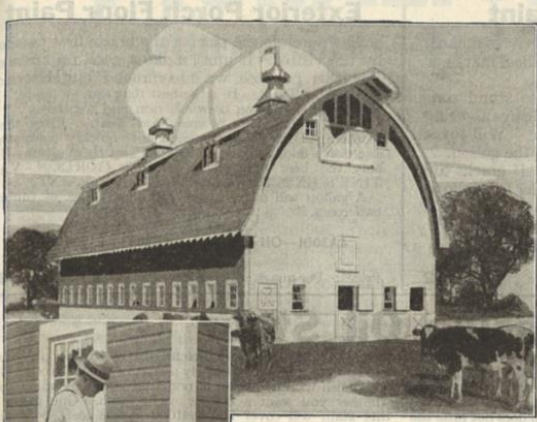
Red, for the barn and sheds, stands out in colorful contrast to the surrounding country. Natural shingle roof and White trim. Garage, Colonial Yellow, Fence, White. Windmill, Aluminum paint.

Shades of green with white and gray make up this attractive scene! Verd Green house with White trim. White barn has Silver Gray shingles and Dark Green trim. Garage and fence, White.

For your White house consider Light Blue trim, a Venetian Red roof, for an attractive color scheme. French Gray sheds have Venetian Red roofs. Fence is White. Colors blend together nicely!



Barn Paint



Barn Paint

Use Gordon-Van Tine "Quality" barn paint and be assured of success with your painting.

Farmers judge each other by their barns. Keep your barn well painted. Everyone sees it and it's the one best evidence of thrift and "getting on."

Our "Quality" brand barn paint is good and we know it. We don't sell anything but good paint. It is equally good for shingles or metal roofs, fences, bridges, grain elevators and silos. It will lengthen the life of shingles and metal roofing. It is a wood preservative and will add years to the life of your building.

You may use this paint with perfect confidence, knowing that we will stand back of every can or barrel. Only the best ingredients are used. It is ground to an unusual fineness and thoroughly mixed and remixed by the most up-to-date machinery.

One gallon of Quality barn paint can be depended upon to cover about 250 square feet of surface, two full coats. Measure for it by the "square foot" method. You will never regret having given it a trial. Colors (See Page 65).

4A2001—Light Gray. 4A2002—Venetian Red. 4A2003—Mineral Red.

PRICES PER GALLON

25 and 50 Gallon Barrels	Reds \$1.33 Gray 1.60	5 Gallon Kits	Reds \$1.42 Gray 1.70	1 Gallon Cans	Reds \$1.55 Gray 1.80
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Gordon-Van Tine
Co. Catalogue –
c.1924

Jim Brown's
Bargain Book –
1936

BARN PAINT A most durable and handsome paint for barns and outbuildings. Prices of lead and zinc make gray cost more than reds. **See index on opposite page**



4A2001 Light Gray



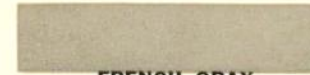
4A2002 Venetian Red



4A2003 Mineral Red

BARN PAINT

For Prices and Description See Page 862



FRENCH GRAY



RED



YELLOW



MAROON

866 K27 MN

SEARS, ROEBUCK AND CO.

Sears & Roebuck Paint – 1932



Jim Brown BARN PAINTS

Quality Barn Paints at Money-Saving Prices

WEARBEST BARN PAINT As Low As \$1.00 Per Gal.

SUPER-GRADE BARN PAINT As Low As \$1.43 Per Gal.

WEARBEST BARN PAINT

Real Paint But Low Priced

For Use On Expensive Barns

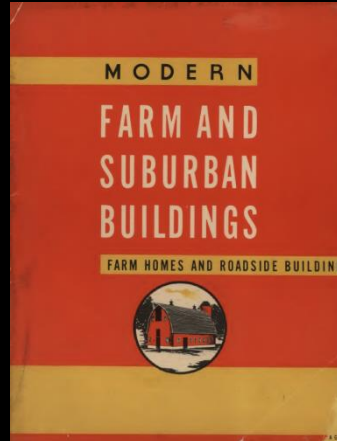
NEW WHITE CREOSOTE BARN PAINT

BR BROWN FENCE & WIRE CO., CLEVELAND, OHIO—MEMPHIS, TENN. Address Nearest Office



Barn Plans

- Farmer
- Itinerant Builder
- Architect
- Plan Service
- Extension Office
- Lumber Yard
- Factory Pre /Ready-Cut

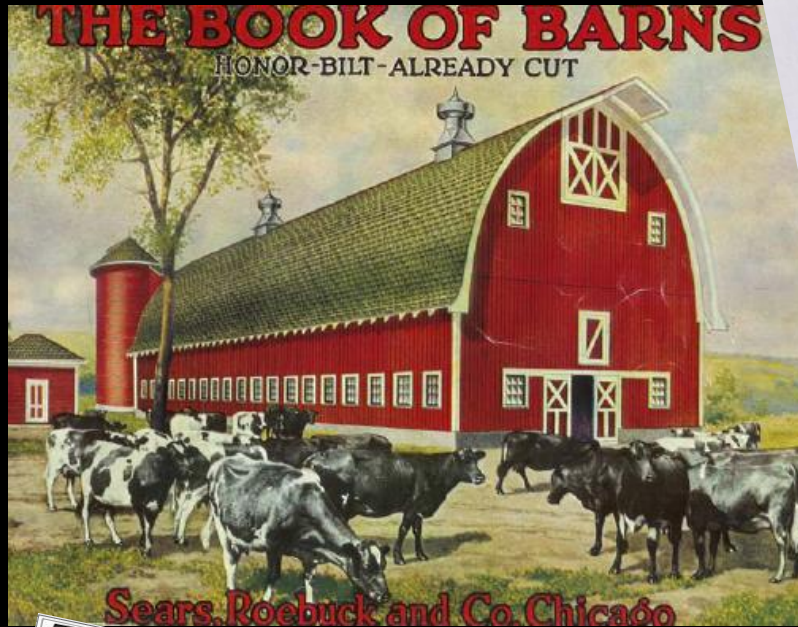


BLUE PRINTS
AND
COMPLETE SPECIFICATIONS
SHOULD BE USED WHEN BUILDING

Because you will know in advance how the building will look.
Because you will know in advance what the building will cost.
Because you will save money by saving the contractor's time.
Because we can furnish these plans and specifications at such a low price that you cannot afford to do without them.

Come to Our Office and Get Our Special Blue-Print Proposition

Barn Plans Ready Cut



Sears & Roebuck - 1919

Fenner Manufacturing Company
THE PIONEER READY-CUT HOUSE COMPANY OF THE WEST



Fenner Barn No. 422

BARN No. 422, the standard size of which is 36x60, is a good sized barn for general use. The strong, gambrel roof adds many cubic feet of space to the already large loft, and makes an excellent outside appearance. The driveway goes clear through the barn, in the center. To the left of this driveway are stalls and accommodations for live stock, while the space to the right may be used for storing wagons and implements, or may be used for grain and feed. The barn in the picture is equipped with a silo, which, of course, we do not furnish.

It is our policy to show in this catalog only those barns which are of accepted and standard design that they are recognized as the leaders of where. Should the interior arrangement need changing to meet your requirements, we can change it, not only in this, but in any of our barns. Or, wish a barn of any special design, it will pay you to get our prices, and to your own station, all cut to fit and ready to put together easily and

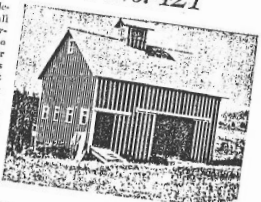


Hardware, nails, hinges, cornice, and corner boards are of high grade DOUGLAS FIR, cut in our mills.

SPECIFICATION
Size, 36'x60'.
Celling heights, first tier, 14'; second tier, 15'.
Center girders and sills, 6x8.
Posts, 6x6 and 4x4.
First floor joists, under stalls, 2x8, 16" O. C.
Loft joists, 2x12, 16" O. C.
Studding, 2x4, 24" O. C.
Rafters, 2x4, 24" O. C.
Sheathing for roof, 1/2" shingles.
Roof, Extra * A * red cedar shingles.
Floors, stalls, 2x12 plank, and loft, 1x4 flooring.
Exterior walls, 1x12 with battens.
Doors and windows as shown.
Hardware, nails, hinges, locks, and paint or stain on exterior, not including roof timbers.
All lumber, trim, finish, cornice and corner boards are of high grade Douglas Fir cut in our mills.

Manufacturers of Fenner Homes
FACTORY CUT BUILDINGS OF ALL KINDS

Fenner Barn No. 421

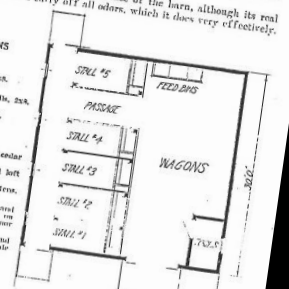


BARN No. 421 is designed for a small farm or for a person who wishes to keep a number of horses or cattle. It is a standard design that has met with general approval and really allows a great many square feet of highly usable room for the same price. Such a good sturdy barn as this greatly enhances the looks as well as the value of any place.

There are five stalls with a light, well ventilated passage-way in the rear, and three large feed bins on the left in a convenient location. Note also the tool room. The loft floor is large, and is in no proportion to the size of the barn, being calculated to hold enough feed to supply animals for a year. The capola adds greatly to the appearance of the barn, although its real mission is to ventilate and carry off all odors, which it does very effectively.

SPECIFICATIONS

Size, 28'x36'.
Center girders and sills, 6x8.
Posts, 6x6 and 4x4.
First floor joists under stalls, 2x8, 16" O. C.
Loft joists, 2x12, 16" O. C.
Rafters, 2x4, 24" O. C.
Sheathing for roof, 1/2" shingles.
Roof, Extra * A * red cedar shingles.
Floors, stalls, 2x12 plank, and loft, 1x4 flooring.
Exterior walls, 1x12 with battens.
Doors and windows as shown.
Hardware, nails, hinges, locks, and paint or stain on exterior, not including roof timbers.
All lumber, trim, finish, cornice and corner boards are of high grade Douglas Fir cut in our mills.



Save \$200.00 ON YOUR BARN \$500.00
Cash or Easy Payments
"Home Run" Already Cut Farm Buildings

1923
1922
1921
1920
1919
1918
1917

Build it Yourself!

GORDON VAN TINE COMPANY, DAVENPORT, IOWA, U.S.A.

A Practical Farm Barn, Costing \$1160

PLAN No. 202

\$761.00

Plans for this Barn, \$120

Fenner Manufacturing Co., Portland, OR - 1921

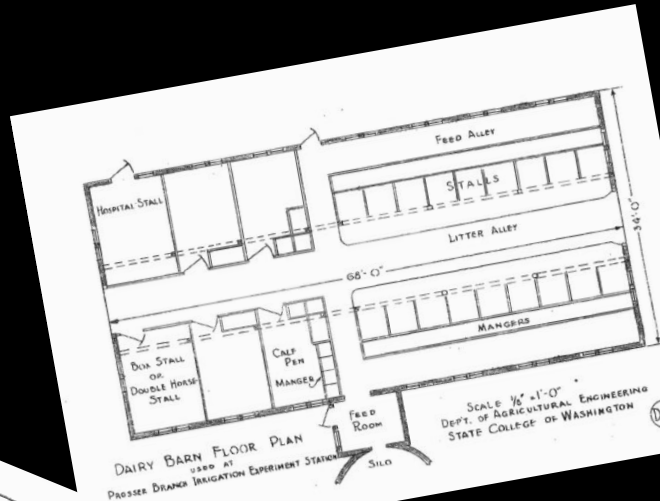


FENNER PLAN BOOK
OF FACTORY CUT HOMES
PORTLAND, OREGON



Gordon Van Tine - 1915

Barn Plans Extension Service



WSU Extension - 1934

extension bulletin no. 483
 STATE LIBRARY
 OCT 7 1960
 OLYMPIA, WASH.

PLANNING YOUR DAIRY BUILDINGS

october - 1953

farm structures series

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extension service—Institute of agricultural sciences
 state college of washington—pullman, washington

WSU Extension - 1953

STATE AGRICULTURAL EXPERIMENT STATION
 Pullman, Washington, September 1, 1915

POPULAR BULLETIN No. 95

The Dairy Barn and Milk House, How to Construct Them

By
R. E. HUNDERTMARK
 Instructor in Dairy Production, State College
 of Washington
 and
A. B. NYSTROM
 Dairy Husbandman of the Experiment Station

Planning Farm Buildings

A farm building purchase is a major project that is not often repeated. Engineer changes in construction methods, building designs, and layout arrangements, plus the availability of new building materials make it advisable to review current literature prior to selecting a specific structure. This extension will help the buyer obtain a more focused and practical building. Scores of plans and additional planning information are listed. These are available (costs range from \$1.00 to \$10 per item) from the Western Regional Agricultural Engineering Service (WRAES), Oregon State University, Corvallis, OR 97331 (phone 754-4021).

Types of Farm Buildings
 When planning a specific building, consider the various types of construction (shown below). The various types of farm buildings have different names and if proper communication is to refer to these with proper terminology.

Roofs refer to and in many cases to give clear span up to 60 feet wide. Roofs are usually in three types:

- Each when used, or gable buildings provide high clear span open up to about 60 feet wide. "Gables" is a load name for this type.
- Right frame buildings have the roof and frame structure in a single unit. Width and with roof buildings have two bays approximately 30 feet.
- Roofs other can be used with gable frame, gable frame, and other kinds of roofs. They work well for building high ceilings or for those that provide the ceiling structure.

Foot and beam and support is simple to build. Clear span is limited to about 20 feet between ends of piers.

Prepared by Bruce W. Johnson and Hugh L. Hansen, Extension Agricultural Engineer, and Martin L. Haddock, Agricultural Engineer, Oregon State University.

June 1951

Extension Circular 2026
 EXTENSION SERVICE

Labels: BRACED RAFTER, KING RAFTER.

OSU Extension - 1981

WSU Extension - 1915

Smith-Lever Act of 1914

Barn Plans Lumber Yard / Plan Service



Weyerhaeuser -
1946



Professionally Planned Farm Buildings

WITH COMPLETE BLUEPRINTS AND MATERIAL LISTS

Builders who are active in farm construction report that they are receiving valuable assistance from the Weyerhaeuser 4-Square Farm Building Service. It enables them to erect professionally planned farm buildings that give greater satisfaction to farmers, while the blueprints and accurate material lists make for easier, faster construction.

The 4-Square Farm Building Service was developed this Service with the cooperation of experts in many fields of agriculture... animal husbandry specialists, crop men, farm structure engineers, home economists and experienced farmers and farm managers.

Out of their knowledge and experience good buildings must meet to be classified as truly modern and efficient structures. First, they must meet functional or use requirements in order to serve an ideal farm tool. Second, they must meet standards of durable, economical construction.

The 204 designs in the Weyerhaeuser 4-Square Farm Building Service meet the exacting requirements for buildings of maximum use value, minimal cost and enduring service. They meet the needs of modern farming... which is under increasingly greater pressure to reduce production costs, increase yield and improve quality.

The 4-Square Farm Building Service, with its access to modern designs, is ready for your use in service farm prospects. We will gladly send, on your request, the 64 page book titled, "Modern Home and Buildings For The Farm" which illustrates and describes many of the Homes and Service Buildings. We will also send you the name of the Weyerhaeuser 4-Square Lumber Dealer in your community who has available complete blueprints and material lists for all the buildings in the Service. Write our Builders' Division.

Weyerhaeuser Sales Company
ST. PAUL 1, MINNESOTA
MARCH, 1935 - PRACTICAL BUILDING, CHICAGO 2 113

ASTORIA, OREGON

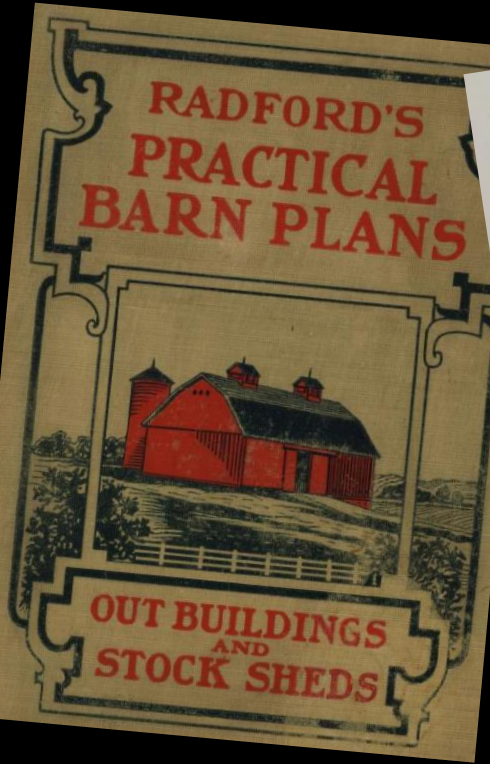
Mrs. Adelaide Lygum

ASTORIA LUMBER CO.

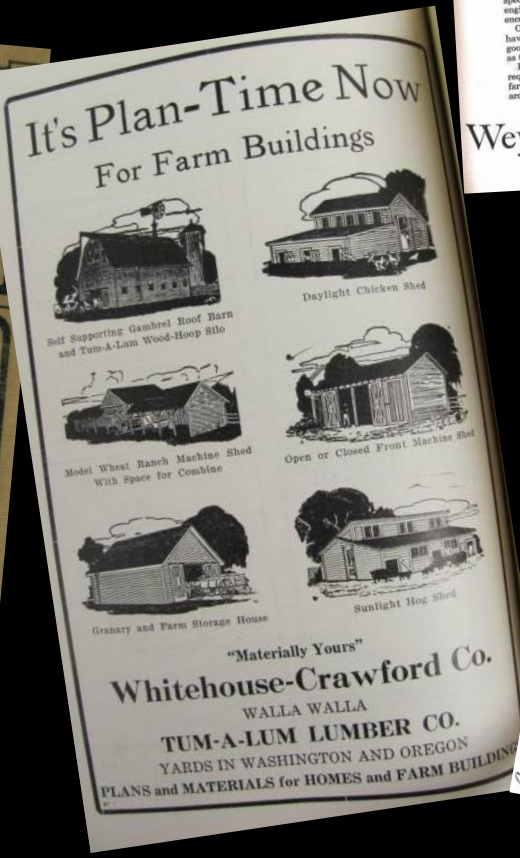
PREPARED BY THE LUMBER, SHEDS AND FURNITURE DEPT. OF THIS OFFICE

TERMS CASH

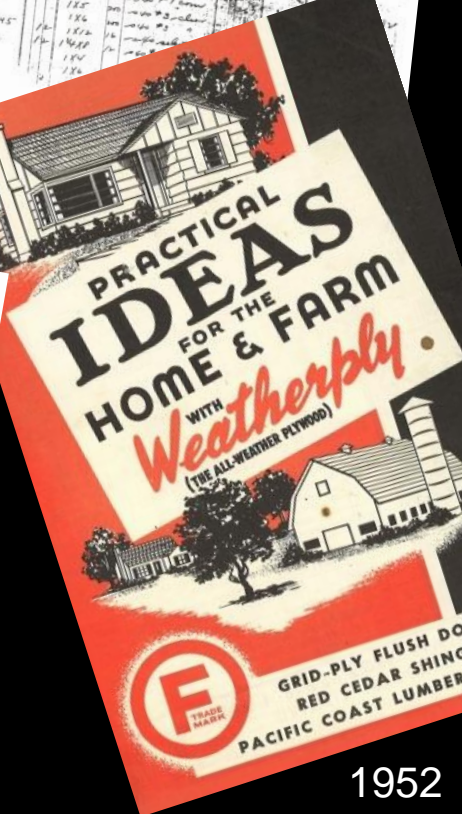
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17	2 X 10	18	2x4 / Corn	180		
21	2 X 10	18	2x4 / Corn	180		
23	2 X 10	18	2x4 / Corn	180		
24	2 X 10	18	2x4 / Corn	180		
25	2 X 10	18	2x4 / Corn	180		
26	2 X 10	18	2x4 / Corn	180		
27	2 X 10	18	2x4 / Corn	180		
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99	2 X 10	18	2x4 / Corn	180		
100	2 X 10	18	2x4 / Corn	180		



Radford's Practical
Barns Plans - 1907

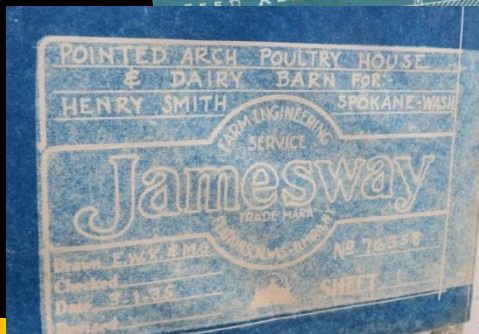
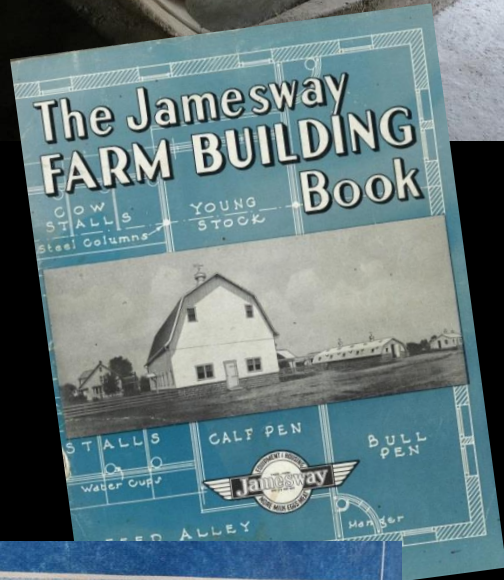
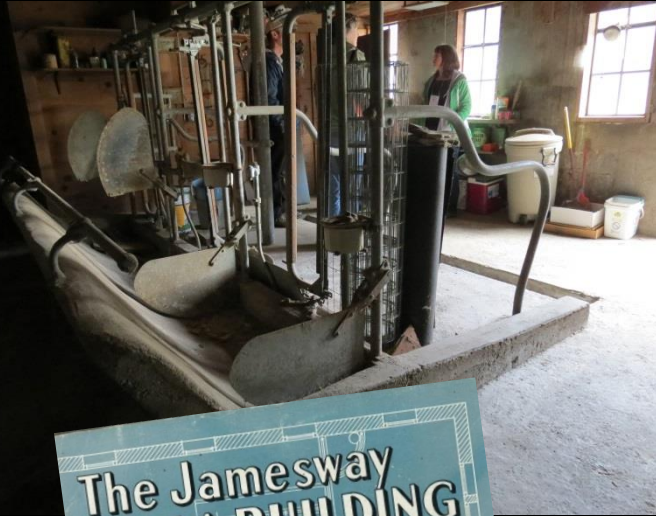


1881



1952

Jamesway Co.



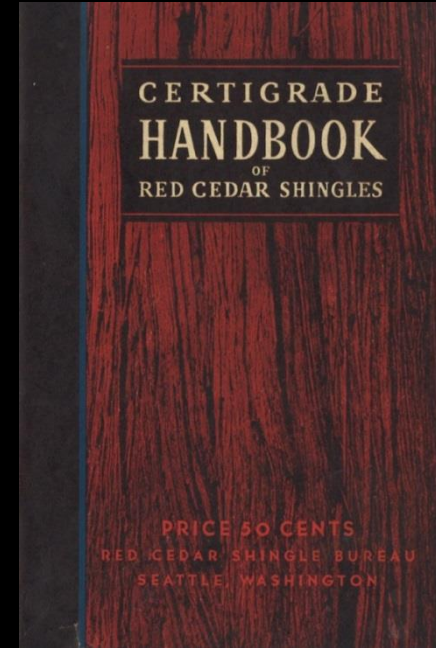
Barn Roofing

- Wood Shake / Shingle
- Standing Seam
- Corrugated Metal
- Asphalt



Barn

Roofing – Wood Shingle / Shake



Barn Roofing - Standing Seam

EXTRA HEAVY Two and Three-V Crimp Steel Roofing—U. S. STANDARD WEIGHTS

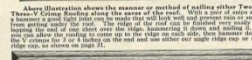
V Crimp Roofing is in Many Respects the Best of all the various styles of metal roofing. It may be laid over shingles, shingles or can be nailed direct to the rafters, which should be spaced 24 inches from center to center, and can be used on any roof having 1/2 inch or more fall to the foot. The ends of the sheets should be spaced 1/2 inch or more and can be put together with lock joints, as desired. We recommend that you use the best nails on the end of the sheets instead of lock joints, as it will positively prevent the rain, snow or wind from blowing in under the sheet.

It is Easily Laid and has many advantages over other kinds of steel roofing. It is especially adapted for factories, barns, sheds or temporary buildings, and, as it requires no soldering or bolting or hammering of seams or joints, anyone who has ordinary mechanical ability can put it on. It has a neat appearance and is the most economical and the lowest priced style of steel roofing made.



We illustrate at the Left a sheet of Two-V Crimp Steel Roofing which has a covering width of 24 inches after lapsing one crimp over the other. This roofing comes in different lengths, ranging from 2 to 10 feet, inclusive. In laying V Crimp Roofing the ends of the sheets should be lapped not less than 2 inches when used on roofs having a fall of not less than 2 inches to the foot. The Two-V Crimp sheet appears to be the most popular because it is laid directly on the rafters. The word V Crimp should be nailed on the top surface of the rafters, where they are cut jobs of tin, the rafters wherever they are cut with paint under the lap and nailed down to the cross-beds between the rafters. We illustrate above the manner in which V Crimp Roofing should be lapped and nailed to the rafters. You should use a cross-bed between rafters where they are cut jobs of tin, the rafters wherever they are cut with paint under the lap and nailed down to the cross-beds between the rafters. We illustrate above the manner in which V Crimp Roofing should be lapped and nailed to the rafters.

Made in Heavy Grade (U. S. Standard 25-Gauge Steel) and EXTRA HEAVY GRADE (U. S. Standard 26-Gauge Steel).



Save Money on Your Building by laying the roofing without shingling. See the figure 24 inches from center to center and nail the roof on the top surface of the rafters. Then connect between the rafters to support and nail the end of the top sheet, begin at the lower end and center of the roof and lay the sheets from center to the eaves, allowing 1/2 inch between the end lap and the center of the side lap. Use 1/2 inch 26-gauge nails, which should be driven into the top of the crimp and through the top surface of the sheet. The end lap is not less than 2 inches every 4 or 5 inches.

Save Money on Your Building by laying the roofing without shingling. See the figure 24 inches from center to center and nail the roof on the top surface of the rafters. Then connect between the rafters to support and nail the end of the top sheet, begin at the lower end and center of the roof and lay the sheets from center to the eaves, allowing 1/2 inch between the end lap and the center of the side lap. Use 1/2 inch 26-gauge nails, which should be driven into the top of the crimp and through the top surface of the sheet. The end lap is not less than 2 inches every 4 or 5 inches.

We illustrate at the Right a sheet of Three-V Crimp Steel Roofing which has a covering width of 24 inches from center to center of the middle crimp. The middle crimp adds much to the strength of the sheet, as it allows the iron and prevents the sheets from rattling. Three-V Crimp Roofing can be laid directly on the rafters by placing them 24 inches from center to center, but in order to obtain the full value and strength of these sheets, they should perhaps better serve you to lay them on shingling or over old shingles or on a smooth surface where you can place a wood V strip to support the center crimp. In using Three-V Crimp Roofing on a new roof it is only necessary to place shingling boards at intervals of, say, every 2 feet, this being done enough to show the V strip to properly support and strengthen the center of the sheets.

V Crimp Steel is Used for Siding on barns, sheds and out-buildings. The sheet can be nailed securely to the walls of the building with the nails and ordinary care will last for many years. Two inches end lap is sufficient when using V Crimp steel for siding. Three-V Crimp Roofing is Shipped Direct From the Blast Furnace and is the Best.

PRICES ON TWO-V CRIMP STEEL ROOFING. State Number of Sheets in ALL Orders.

Catalog No.	25-Gauge Steel					26-Gauge Steel											
	10	20	30	40	50	10	20	30	40	50							
48P3077	\$0.78	\$0.94	\$1.10	\$1.26	\$1.41	\$1.56	\$1.72	68 lbs.	48P3086	\$0.79	\$0.95	\$1.11	\$1.27	\$1.43	\$1.58	\$1.75	72 lbs.
48P3078	1.17	1.41	1.65	1.88	2.11	2.34	11.89	85 lbs.	48P3087	1.18	1.42	1.66	1.90	2.13	2.36	11.74	86 lbs.
48P3079	.92	1.10	1.29	1.48	1.66	1.84	9.20	83 lbs.	48P3088	.94	1.13	1.32	1.51	1.70	1.88	9.33	85 lbs.
48P3080	1.32	1.59	1.86	2.12	2.38	2.64	13.12	98 lbs.	48P3089	1.33	1.60	1.87	2.14	2.40	2.66	13.30	106 lbs.

The above prices are for roofing only and do not include strips or nails. Prices on nails and strips shown on nails and strips shown above. It requires 50 final feet of wood V strips and 1 pound barbed roofing nails for each square of the Two-V Crimp Roofing.

SEARS, ROEBUCK AND CO., CHICAGO, ILLINOIS.

Barn

Roofing - Standing Seam

SEE PAGE 5 FOR DETAILS

56¢ Per Sheet Add Up

53¢ Per Sheet Add Up

Painted 40¢ Per Sheet Add Up

MANY WAREHOUSE SHIPPING POINTS

Sears warehouse shipping service is unsurpassed. One of our many shipping points is near you, and you will find it. Only another way you should buy all your roofing needs from Sears.

View at left shows exclusive new roofing style, made on our exclusive machine. This positively prevents water from getting to under edge of roofing.

CRIMPED ROOFING

- Made of exactly the same high quality materials as ALL-WEATHER Corrugated Roofing on opposite page.
- Choice of 2-V or 3-V or 3-V with 3-V Leakproof Types.
- All sheets 24 inches wide, and in lengths shown below.

ALL-WEATHER V-Crimp Roofing and Siding gives barns and other buildings a substantial appearance and an abundance of permanent, fire-resisting protection. In addition to lowest known prices for material of this character, Sears give you First Quality—Full Gauge—Full Weight and Great Galvanizing. Strongly, securely and saving unparpassed by any other material. Properly painted, will last indefinitely. All sheets actually cover 24 in. in width allowing for crimp or overlap. Allow 6 in. to end lap when used on roofing. 2 in. to end lap siding. All prices are for 100 sheets, no freight, unless so opposite page.

Sears Patented Leak-Proof Steel Roofing

See detailed view above. The most important feature on the inside. Water comes out on the under side of roofing by causing a circulation of air through the leak if any chance. Offered at price usually paid for the ordinary roofing. Leak-proof corrugated roofing is shipped abroad from same plant as our patented roofing on opposite page. See picture at right, showing method on opposite page.

Sears Patented Leak-Proof Steel Roofing

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Catalog	Description	LENGTH OF SHEETS
26-12	26 GA. 12 IN.	10, 20, 30, 40, 50, 60, 70, 80, 90, 100
26-18	26 GA. 18 IN.	10, 20, 30, 40, 50, 60, 70, 80, 90, 100
26-24	26 GA. 24 IN.	10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Catalog	Description	LENGTH OF SHEETS
25-12	25 GA. 12 IN.	10, 20, 30, 40, 50, 60, 70, 80, 90, 100
25-18	25 GA. 18 IN.	10, 20, 30, 40, 50, 60, 70, 80, 90, 100
25-24	25 GA. 24 IN.	10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Catalog	Description	LENGTH OF SHEETS
26-12	26 GA. 12 IN.	10, 20, 30, 40, 50, 60, 70, 80, 90, 100
26-18	26 GA. 18 IN.	10, 20, 30, 40, 50, 60, 70, 80, 90, 100
26-24	26 GA. 24 IN.	10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Corrugated, Rippled, Galvanized, Wood, Steel or Tin Flash, Bars, Steel, Galvanized

Sears & Roebuck Roofing Catalogue - 1939

Jim Brown METAL ROOFING Corrugated

Direct from Factory to You

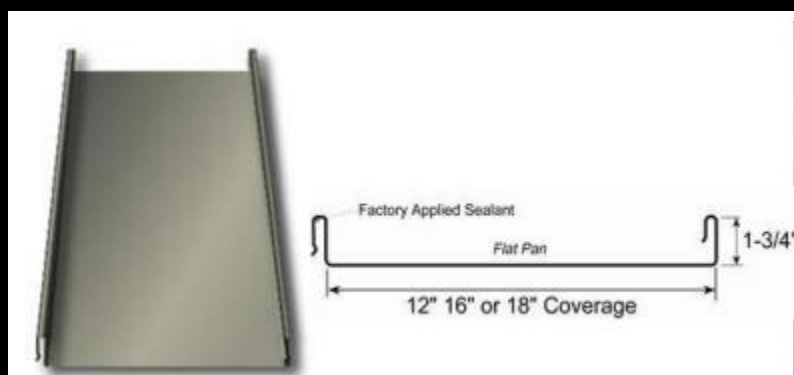
Advantages of Metal Roofing

See to Protect Investment

Length	Weight	Price
10	100	10.00
20	200	20.00
30	300	30.00
40	400	40.00
50	500	50.00
60	600	60.00
70	700	70.00
80	800	80.00
90	900	90.00
100	1000	100.00

THE BROWN FENCE & WIRE CO., CLEVELAND, OHIO

Sears & Roebuck Roofing Catalogue - 1908



Jim Brown's Bargain Book - 1936

Barn Roofing - Corrugated Metal

EXTRA HEAVY Pressed Corrugated Steel—U. S. STANDARD WEIGHTS

Made in HEAVY GRADE (U. S. Standard 28-Gauge) and EXTRA HEAVY GRADE (U. S. Standard 26-Gauge).

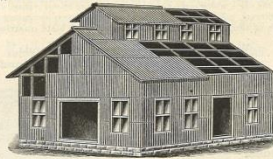
Corrugated Steel is an Excellent Material for roofing, ceiling, siding, awnings, etc. It is especially desirable for grain elevators, mills, barns and fireproof buildings of all kinds. It requires only a hammer and a pair of tinners' snips to lay corrugated steel either on a roof or side of a building, and for this reason it is especially cheap and easy to lay. In putting on corrugated sheet steel the nails should always be driven through the crown or the highest point of the corrugation. Do not hammer the nails down hard enough to batter or flatten the sheet.

Extra Strong on Account of Corrugations. By making sheet steel in this corrugated form it gives the sheet great strength and rigidity. United States Standard 26-Gauge, which is known the country over as standard weight and thickness, and United States Standard 28-Gauge, which we describe as extra heavy and which is 20 per cent thicker and heavier than the standard 28-gauge. We recommend the Extra Heavy Grade, or 26-gauge, in preference to the standard weight (28-gauge), as it costs but a trifle more, costs no more to lay and gives nearly double the wear.

We Furnish Two Thicknesses: When ordering 2 1/2-inch corrugated steel roofing be sure to order 108 1/2 square feet to cover one hundred square feet. This does not include end laps. Allow from 4 to 6 inches for end laps, according to the pitch or slope of your roof. When used as siding, a 2-inch end lap is sufficient.

When ordering 2 1/2-inch corrugated steel roofing be sure to order 108 1/2 square feet to cover one hundred square feet. This does not include end laps. Allow from 4 to 6 inches for end laps, according to the pitch or slope of your roof. When used as siding, a 2-inch end lap is sufficient.

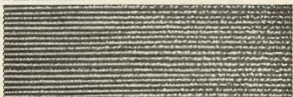
2 1/2-Inch Corrugated Steel Roofing comes in sheets 26 inches wide and has a covering width of but 24 inches. It is furnished either painted or galvanized. Our painted sheets receive a good coat of dry red mineral paint mixed in oil and dryer which serves as a first coat, and the galvanized sheets are well galvanized on both sides with high grade galvanizing material. We recommend the use of galvanized steel if your building is exposed to salt air. Shipped from the steel mills in EASTERN OHIO. We will ship promptly.



Above illustration shows a factory building partially covered with corrugated sheet steel. It will show that the panels are placed close together with this method by nailing it direct to the studs and girders. There is no overlapping used on either the roof or sides of the building. We recommend the use of tarred roofing felt on all roof and sides with sheet steel. It is tarred felt should be immediately under the steel roofing. It adds to the life of the steel.

Be sure to order 104 1/2 square feet of 1 1/4-inch corrugated steel roofing to cover one hundred square feet. This does not include end laps. End laps for corrugated roofing should be from 4 to 6 inches, according to the pitch or slope of your roof. When used as siding a 2-inch end lap is sufficient.

1 1/4-Inch Corrugated Sheet Steel comes in sheets 25 inches wide and has a covering width of only 24 inches. It is furnished either painted or galvanized. Our painted sheets receive a good heavy coat of dry red mineral paint mixed in oil, which serves as a first coat, while the galvanized sheets are well galvanized. (We recommend the galvanized sheets if your building is exposed to salt air.) 1 1/4-inch corrugated sheets are shipped from the steel mills in EASTERN OHIO.



PRICES OF 2 1/2-INCH CORRUGATED STEEL.

Catalog No.	Price, 5-ft. Sheet	Price, 10-ft. Sheet	Price, 15-ft. Sheet	Price, 20-ft. Sheet	Price, 25-ft. Sheet	Price, 30-ft. Sheet	Price, per Square	Weight, per Square
48P3108	\$ 0.84	\$1.01	\$1.18	\$1.35	\$1.52	\$1.68	\$ 7.73	68 lbs.
28-Gauge, Painted.								
48P3106	1.26	1.52	1.77	2.02	2.27	2.52	11.55	85 lbs.
28-Gauge, Galvanized.								
48P3124	1.00	1.20	1.40	1.60	1.80	2.00	9.20	83 lbs.
26-Gauge, Painted.								
48P3123	1.43	1.72	2.01	2.30	2.58	2.86	13.12	98 lbs.
26-Gauge, Galvanized.								

State Number and Length of Sheets on All Orders

PRICES OF 1 1/4-INCH CORRUGATED STEEL.

Catalog No.	Price, 5-ft. Sheet	Price, 10-ft. Sheet	Price, 15-ft. Sheet	Price, 20-ft. Sheet	Price, 25-ft. Sheet	Price, 30-ft. Sheet	Price, per Square	Weight, per Square
48P3107	\$0.89	\$1.16	\$1.32	\$1.48	\$1.64	\$1.80	\$7.85	72 lbs.
28-Gauge, Painted.								
48P3108	1.22	1.47	1.72	1.96	2.20	2.44	11.68	87 lbs.
28-Gauge, Galvanized.								
48P3124	0.98	1.18	1.38	1.58	1.77	1.96	9.33	86 lbs.
26-Gauge, Painted.								
48P3125	1.38	1.66	1.94	2.21	2.48	2.76	13.24	101 lbs.
26-Gauge, Galvanized.								

Above prices do not include paint or nails.

Corrugated Ridge Roll to Fit 2 1/2-Inch Corrugated Steel Roofing.

No. 48P3272 28-Gauge, Painted. Price, per 5-foot length, .50c
No. 48P3270 28-Gauge, Galvanized. Price, per 5-foot length, .60c
Weight, about 2 1/2 pounds.

Corrugated Ridge Roll to Fit 1 1/4-Inch Corrugated Steel Roofing.

No. 48P3271 28-Gauge, Painted. Price, per 5-foot length, .85c
No. 48P3269 28-Gauge, Galvanized. Price, per 5-foot length, .65c
Weight, about 2 1/2 pounds.

TIN SHINGLES OR FLASHINGS

No. 48P3199 Made of a good grade of roofing tin and cut to exact sizes. Useful for repairing old roofs and making a tight joint around chimneys, etc. Painted on one side. Shipped from our CHICAGO store.

Size, 5x7 inches. Price, each, .50c
Per 100. (Shpg. wt., 15 lbs.), 1.50
Size, 7x10 inches. Price, each, .04
Per 100. (Shpg. wt., 30 lbs.), 3.50

VALLEYS-IN ROLLS

No. 48P3198 Made of IC tin plate in a continuous strip, locked and soldered. Put up in rolls. Full lengths are 50 feet, but we can furnish any quantity. Painted on one side. Shipped from our CHICAGO store.

Width, 14 inches. Price, per 50-foot roll, \$8.40
20 inches. Price, per 50-foot roll, 7.95
28 inches. Price, per 50-foot roll, 10.78
Weight, per 50-foot roll, 29 lbs., 41 lbs., 58 lbs.

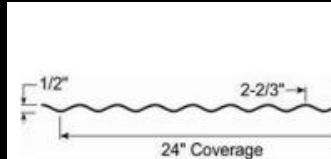
GALVANIZED STEEL VALLEY

Put up in rolls. Made in United States standard 28-gauge steel and extra heavy United States standard 26-gauge steel, 14 inches wide. Lock seam and soldered. For valleys and flashings. Shipped from our CHICAGO store.

Catalog No.	Thickness or Gauge	28-Foot Roll	50-Foot Roll
48P3197	28-gauge	\$2.85	\$7.63
48P3176	26-gauge	\$3.68	\$9.21

SEARS, ROEBUCK AND CO., CHICAGO, ILLINOIS.

Sears & Roebuck Roofing Catalogue - 1908



Barn Roofing - Asphalt

Gordon-VanTine Co. - Satisfaction Guaranteed or Money Back PAGE 85

"Jap-a-Top" SLATE SURFACED Roofing



JAP-A-TOP SLATE SURFACED ROLL ROOFING
 Jap-a-Top Slate Surfaced Roll Roofing is made of long fibre felt saturated with pure asphalt. Into this is imbedded a heavy layer of **Genuine Crushed Slate** of either natural dark red or sea green color. The result is a durable, fine appearing roofing that we guarantee for 15 years.

Fire Resisting
 The non-inflammable materials in the base covered with slate give maximum fire resistance. Sparks from a chimney may set fire to a wood shingled building at any time. With Jap-a-Top Slate Surfaced Roofing on your home you are protected from this danger. Meets fire underwriters requirements everywhere. Ideal for farm use.

Easy to Apply
 Comes in rolls of 108 square feet per roll. We furnish large headed galvanized roofing nails and sufficient cement for seams which must overlap to make it waterproof. Each roll covers 100 square feet. Much easier than shingles to apply. Weight full 85 pounds to the roll.

Colors Permanent
 You will find this roofing is a non-conductor of heat and cold, which means a fuel saving in winter and a cooler house in summer. The colors are permanent—will not fade—not affected by sun or rain. This roofing **contains no coal tar**. Samples sent free on request, but you are perfectly safe in buying direct from this page, as we will return your money and freight both ways if you are not thoroughly satisfied.

Note: All Jap-a-Top Roofings Carry Underwriters Label
 SA2059—Dark Red Weight per roll 85 pounds SA2065—Sea Green
 Price, per roll of 108 square feet, **\$1.95**
 Shipped from Davenport, Chicago, Cincinnati, Kansas City or Factory in New York

Gordon-Van Tine Co. Catalogue – c.1924



Genasco


THE TRINIDAD-LAKE-ASPHALT
Ready Roofing

makes all your buildings lastingly weatherproof. The natural oils of this asphalt give it life.

The KANT-LEAK KLEET makes seams weathertight. Write for samples and the Good Roof Guide Book.

The Barber Asphalt Paving Company
 Largest producers in the world of asphalt and ready roofing

Philadelphia
 New York San Francisco
 Chicago

ASPHALT ROOFING ON THE FARM

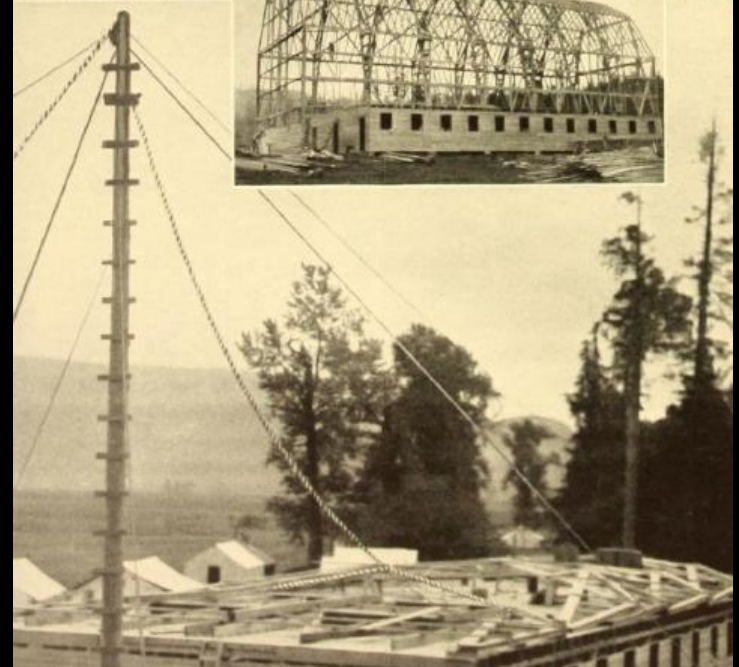
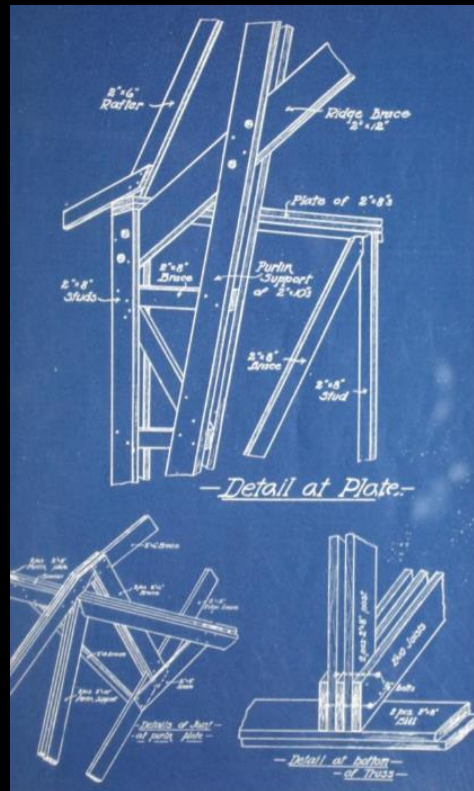
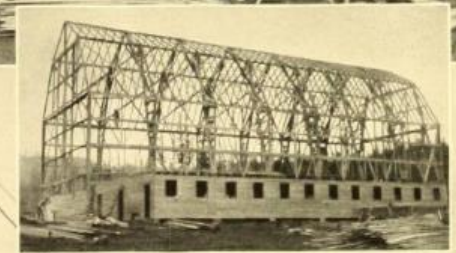
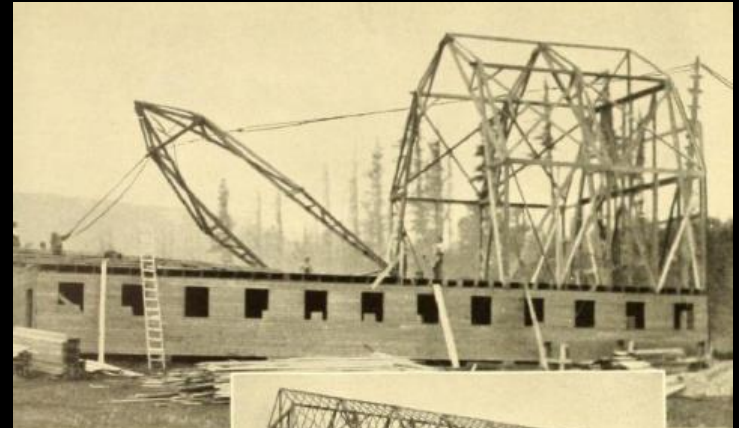
A Practical Handbook on How to Meet Wartime Housing Problems on the Farm with Serviceable ASPHALT Roofing Products

Asphalt Roofing on the Farm— c.1950



Barn Framing / Truss System

- Log
- Heavy Timber Frame
- Pole Construction
- Plank Truss Frame
 - Braced Truss
 - Iowa Truss
 - Shawver Truss
- Concrete
- Clay Tile / Brick
- Plywood Rigid Frame



Barn Framing / Truss System

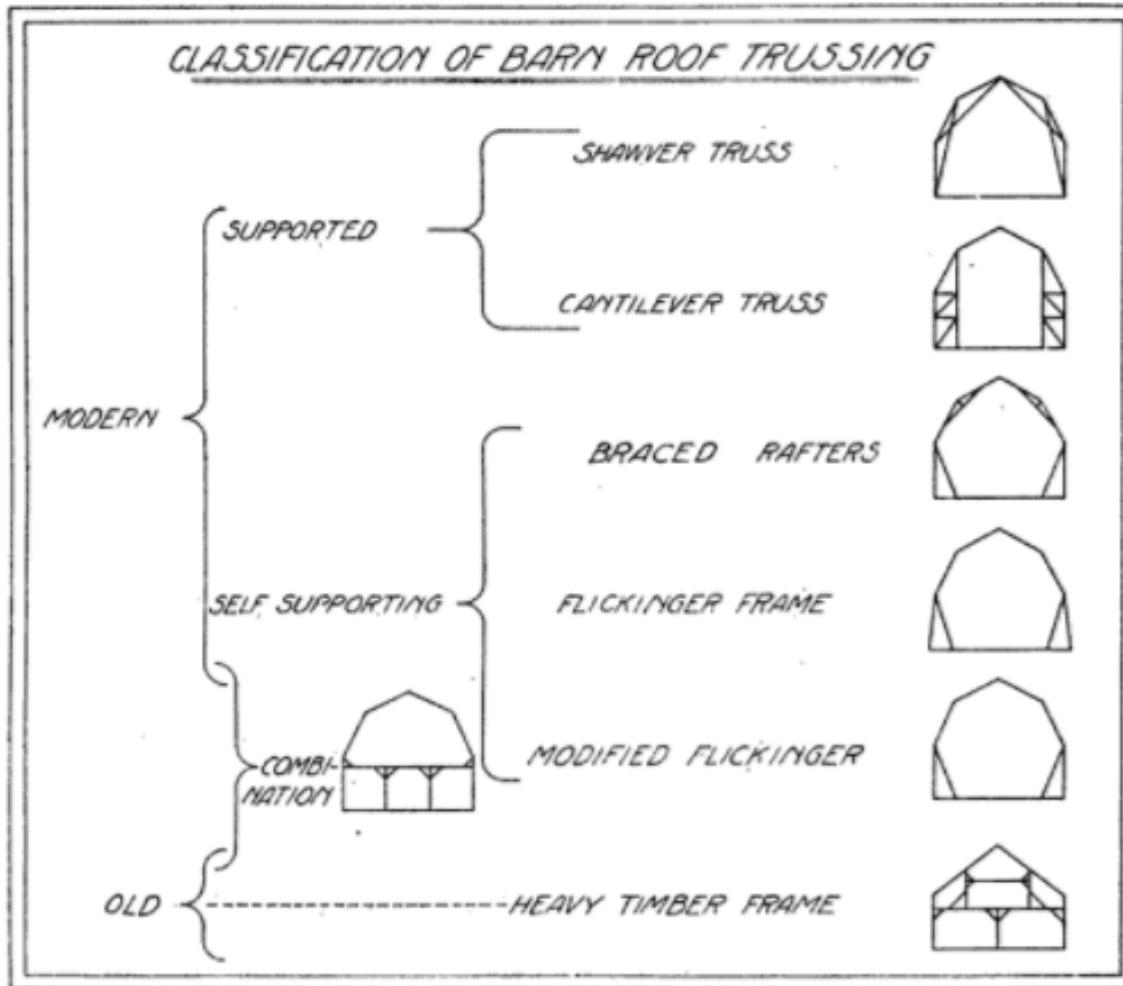


Fig. 1. Six types of barn roof trusses



American Society of Agricultural Engineers

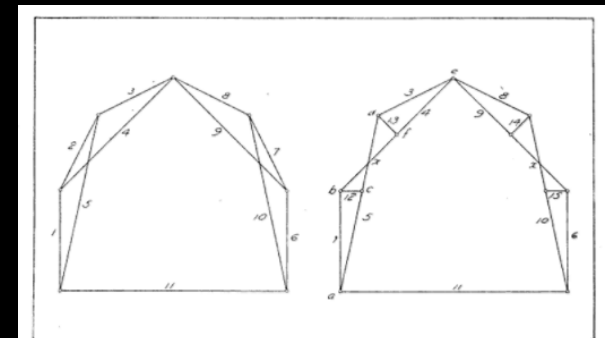


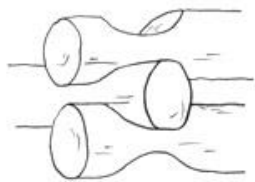
Fig. 2a

Fig. 2b

Two types of Shawver truss

Barn – Framing/ Truss System

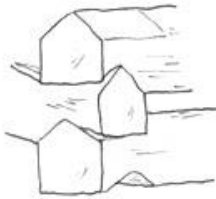
Log Framing



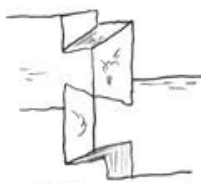
Saddle notch



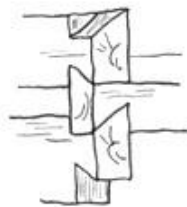
Diamond notch



V-notch



Full Dovetail notch



Half Dovetail notch



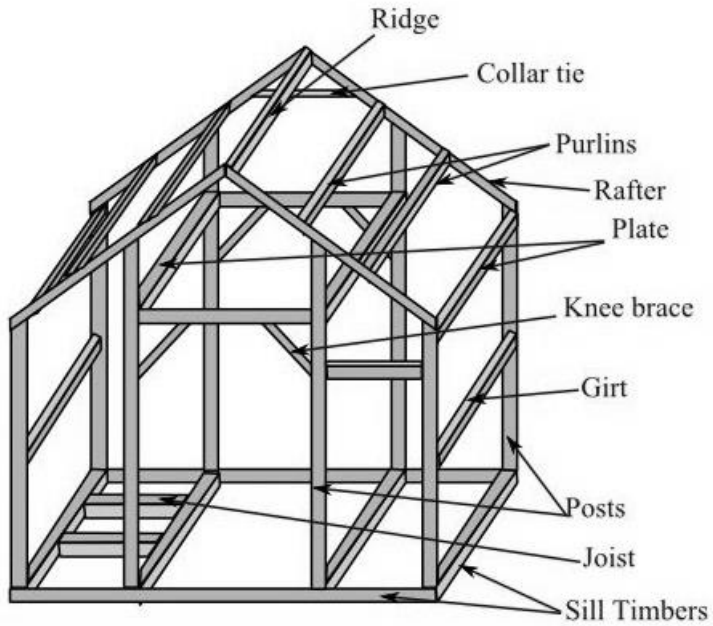
Square notch



Barn – Framing/ Truss System

Heavy Timber - Framing

Timber Framing Diagram



© 2011 MJ Logan



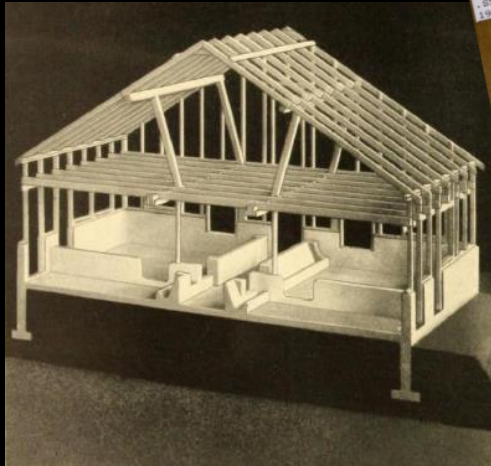
Barn – Framing/ Truss System

Pole Construction - Framing



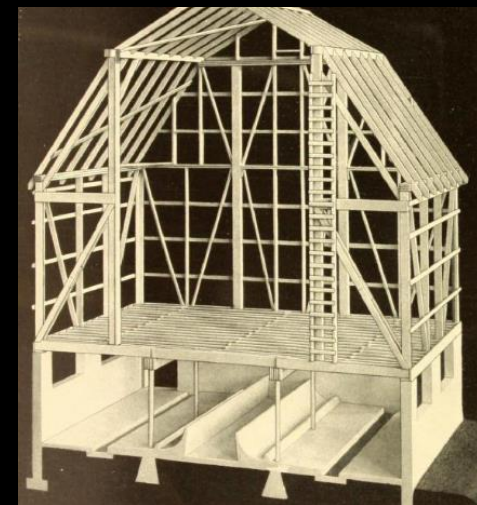
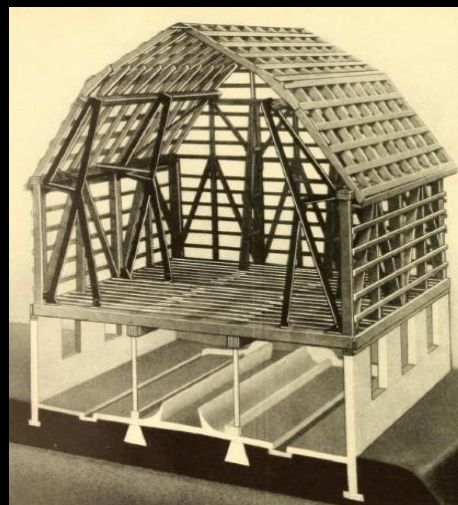
Barn – Framing/ Truss System

Plank Framing - Gable Framing



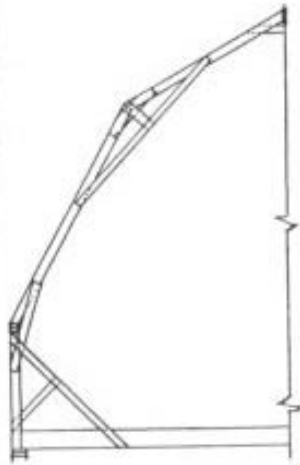
Barn – Framing/ Truss System

Plank Framing – Gambrel Framing

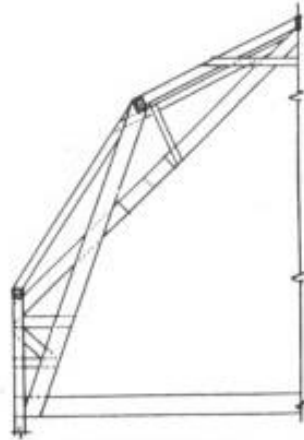


Barn – Framing/ Truss System

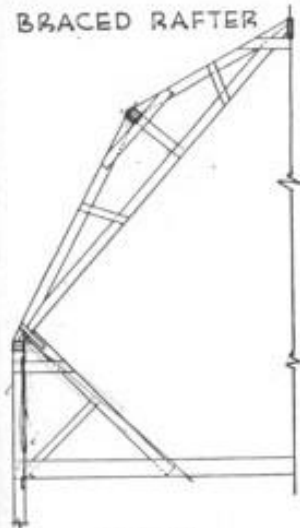
Plank Framing - Gambrel Framing



BRACED RAFTER



SHAWVER



IOWA



STRAP

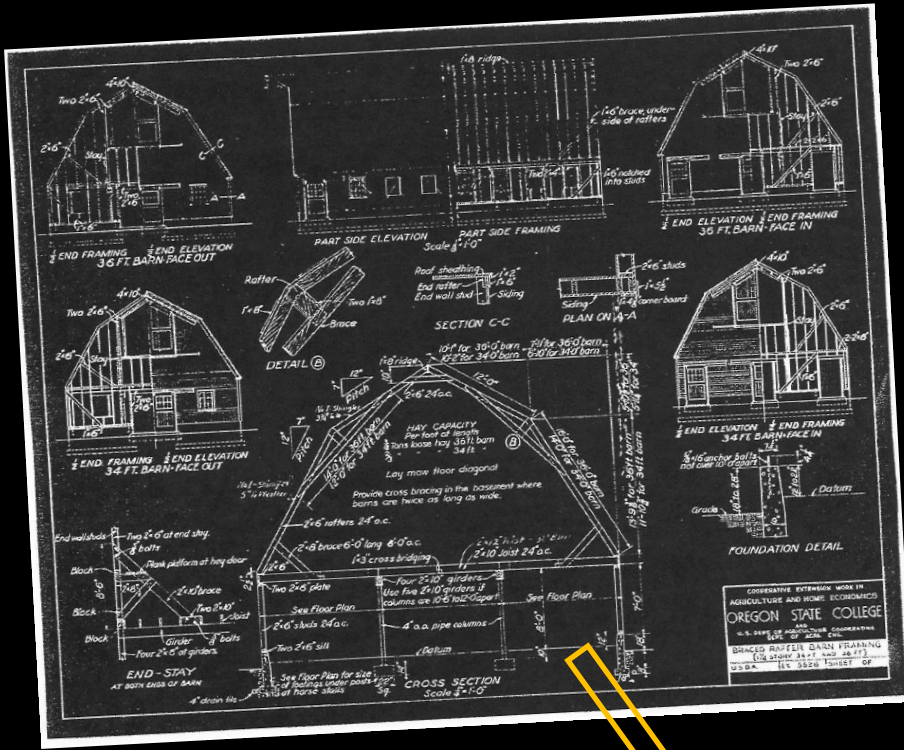


METAL ANCHOR

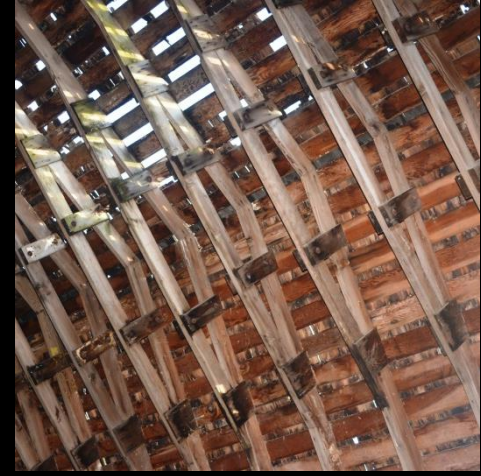
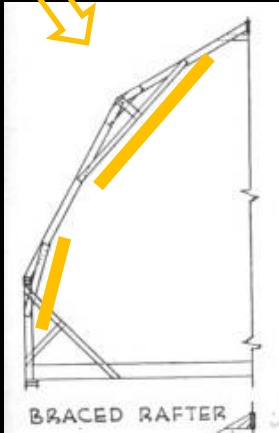
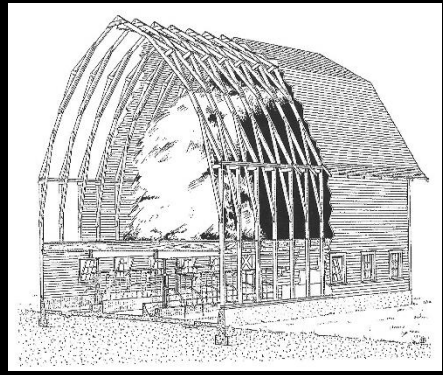


Barn – Framing/ Truss System

Braced Truss - Gambrel Framing



OSU Extension – Braced Truss

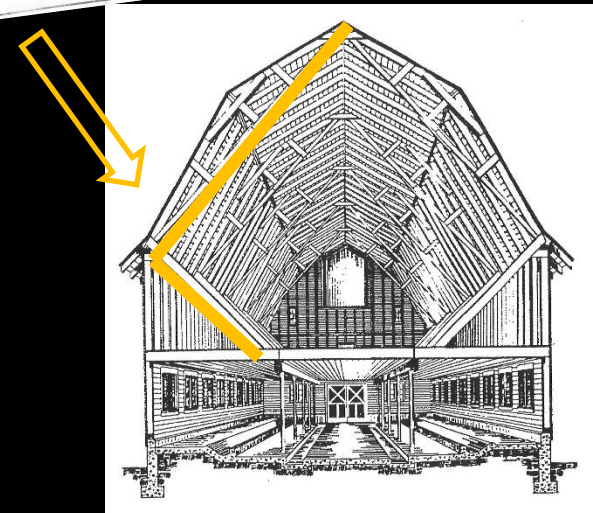
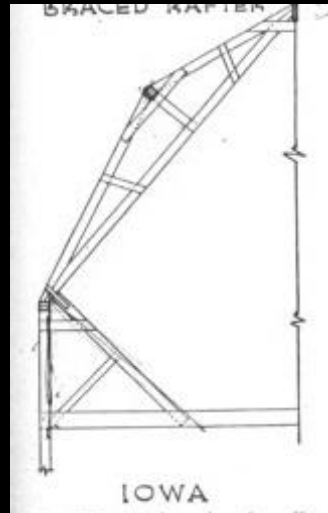
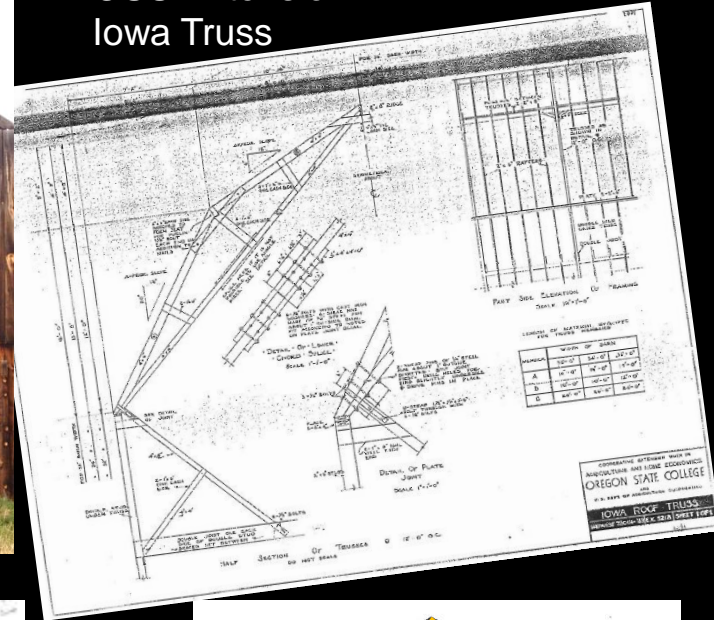


Barn – Framing/ Truss System

Iowa / Clyde Truss -Gambrel Framing



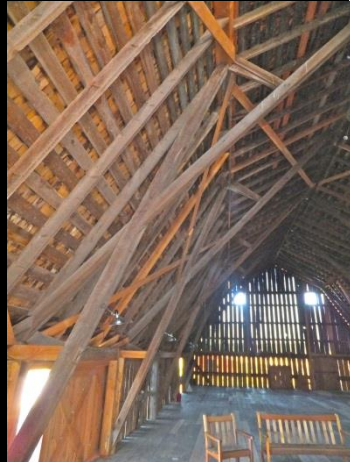
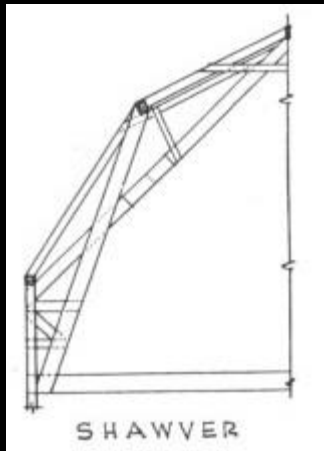
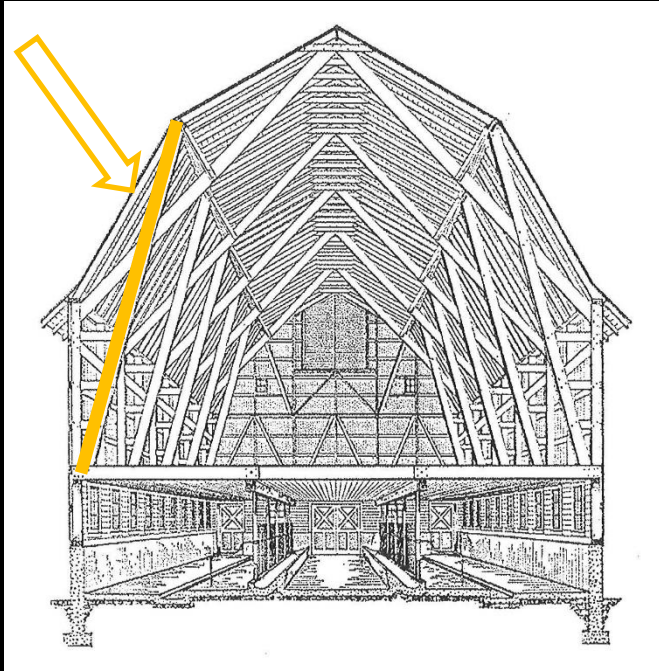
OSU Extension –
Iowa Truss



Truss developed around 1920

Barn – Framing/ Truss System

Shawver Truss - Gambrel Framing



Truss developed
late 19th Century



Barn Barn – Framing/ Truss System

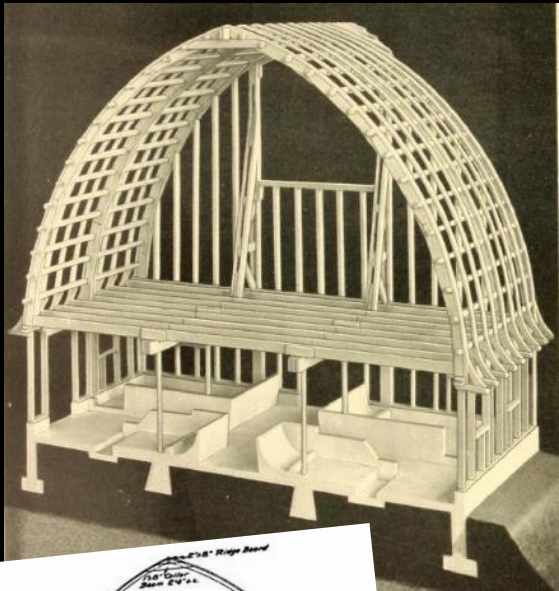
??? Truss - Gambrel Framing

Other truss systems

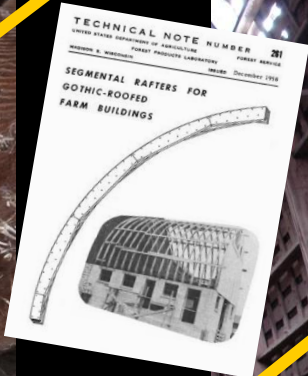


Barn – Framing/ Truss System

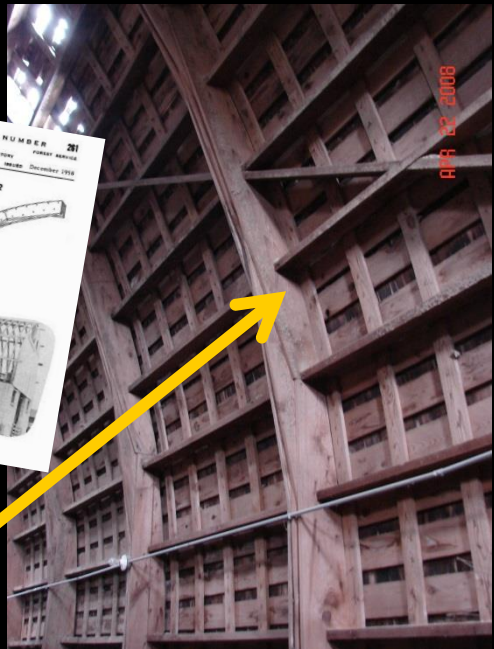
Plank Framing - Gothic Arch



Bent Rib



Plank



APR 12 2008

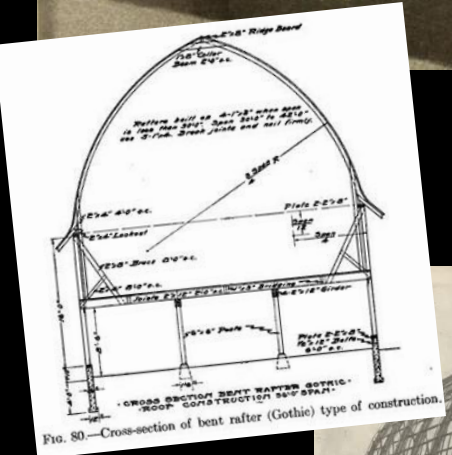
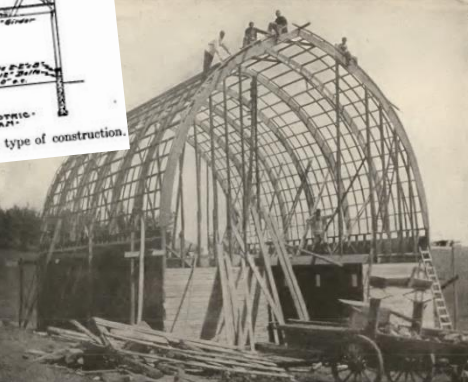


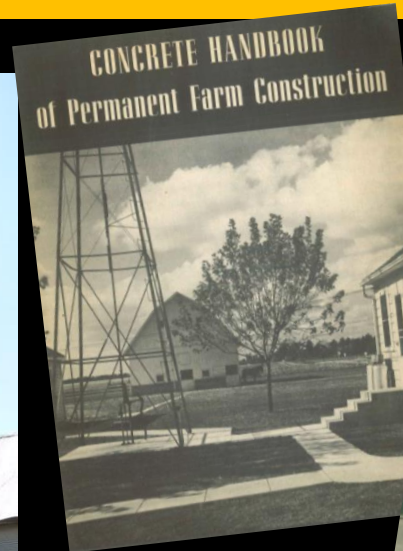
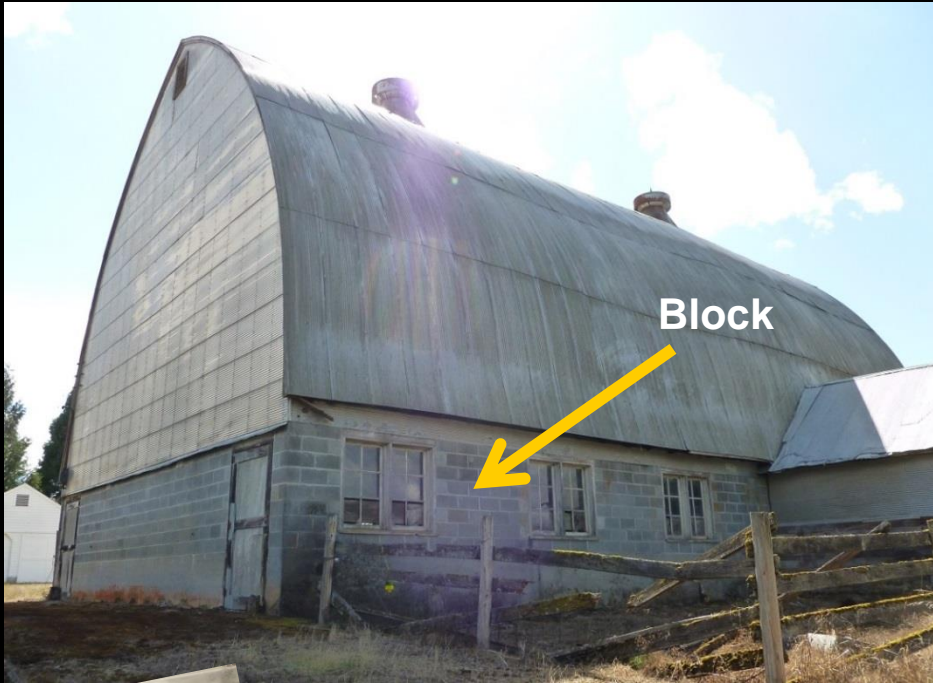
FIG. 80.—Cross-section of bent rafter (Gothic) type of construction.



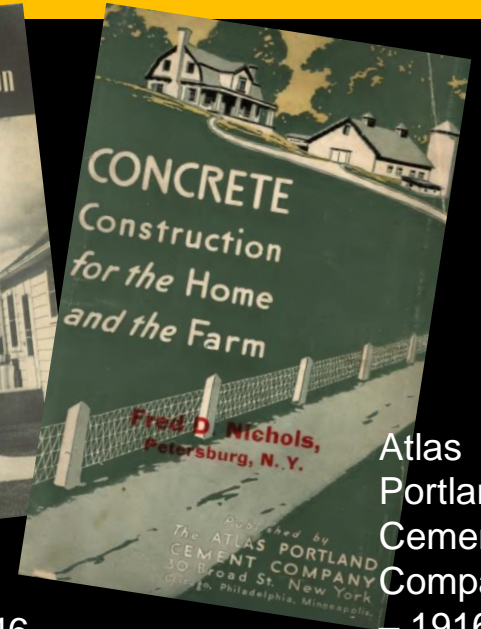
Truss



Barn – Framing/ Truss System – Concrete: Poured & Block



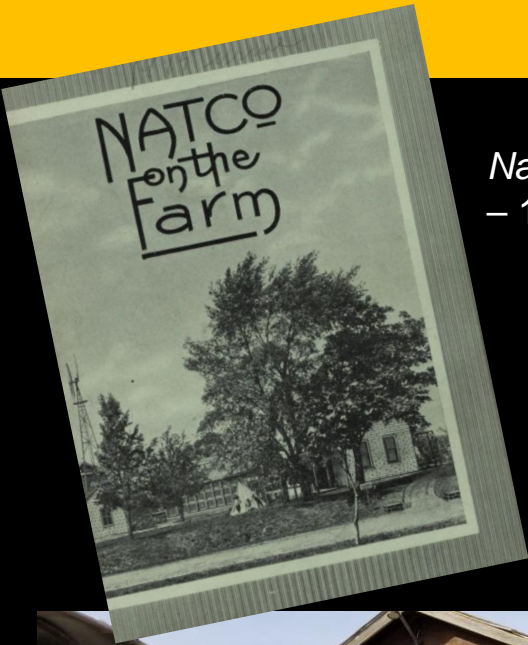
Portland Cement
Association – 1946



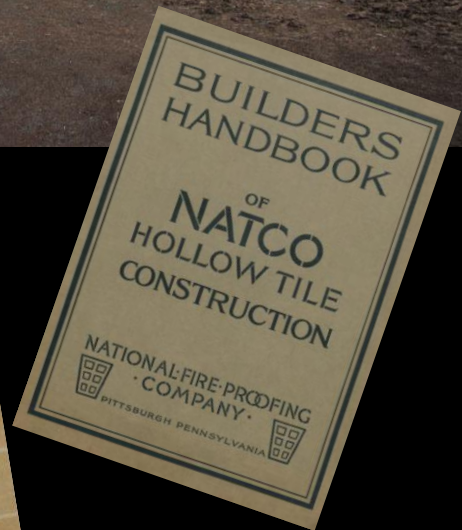
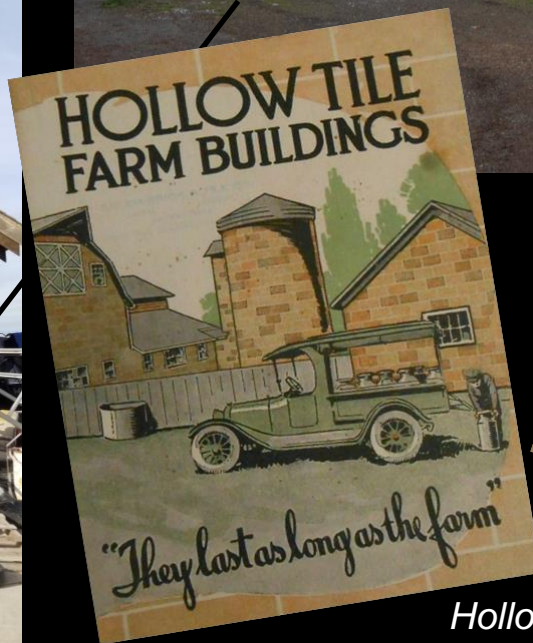
Atlas
Portland
Cement
Company
– 1916



Barn – Framing/ Truss System – Clay Tile: Block



Natco on the Farm
– 1915

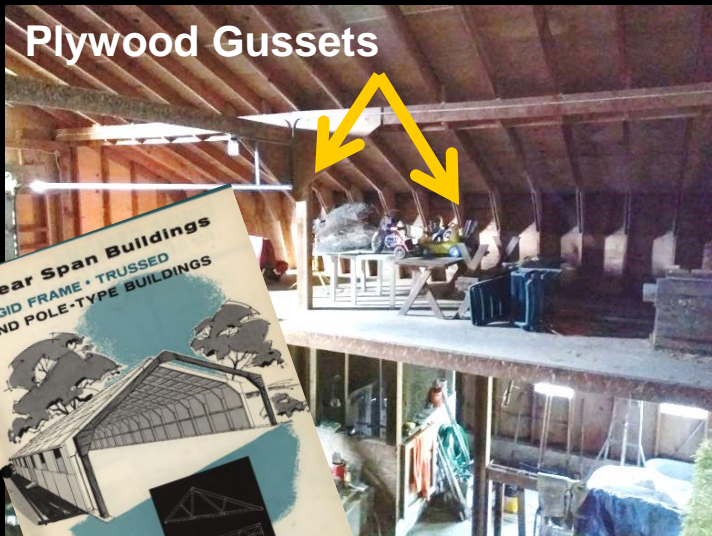
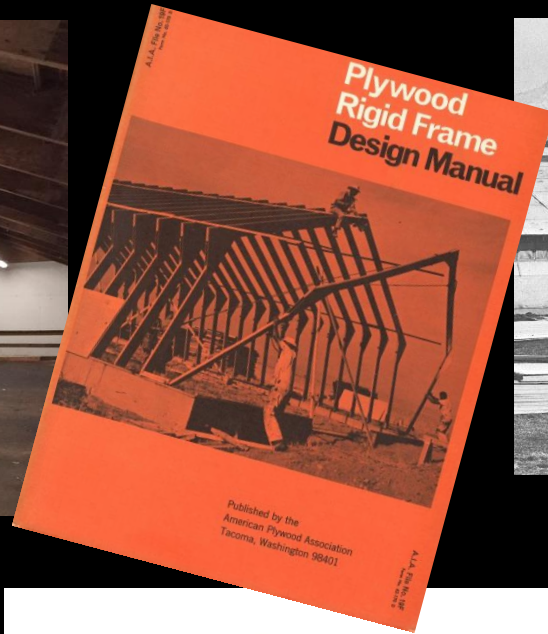


Hollow Tile Farm Buildings - 1918

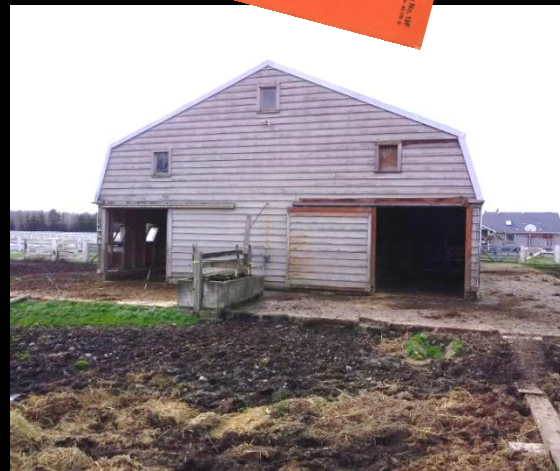
Barn – Framing/ Truss System – Plywood Rigid Frame



Lewis County Fairgrounds



Plywood Gussets



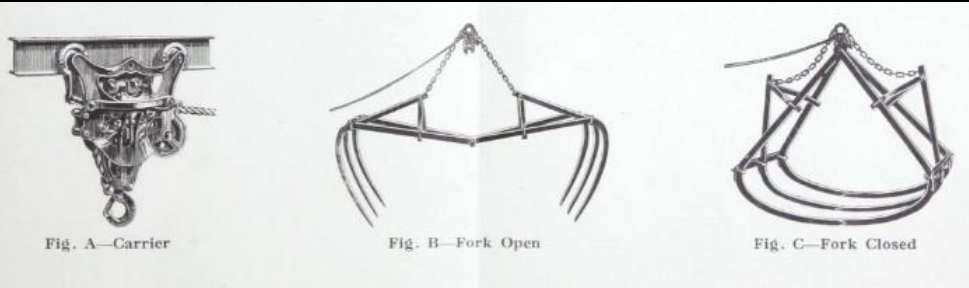
Buckley, WA, 1960



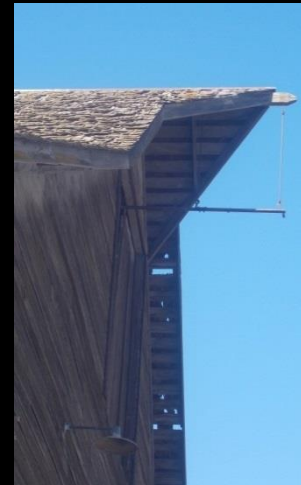
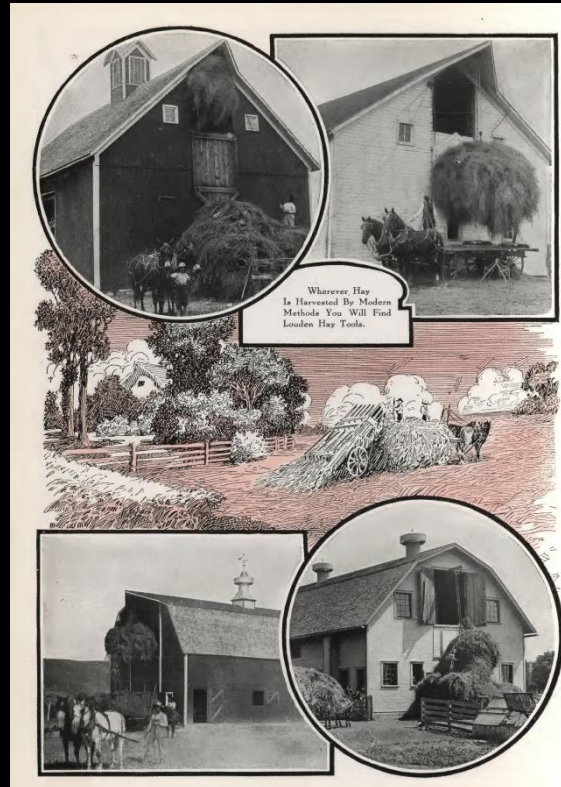
American Plywood Association – 1962-64

Barn - Details

Hay Hoods



Hay Fork



Barn - Details

Hay Hoods



Garfield County, WA



Linn County, OR



Graham, WA



Benton County, OR



Klickitat County, WA

Keizer,
OR



Barn - Details Cupolas & Ventilation



A ventilating system must be planned individually for the building into which it is to go.

Barn Ventilation

By L. KLIMA,
Barn Ventilation Expert

IN THE days of straw sheds when stock was not properly housed, very little attention was paid to pure air, and not much was known about its real food and life-giving value. It soon became apparent to those making a study of stock raising that those animals would be more productive when housed in warm buildings, and this is what has brought about the modern barn. It is true that

the warm room has increased the product, for example, the flow of milk from the dairy cow; but this warm, tight building has also brought about a condition that breeds disease; and the disease is proving to be a menace to live stock and mankind.

It has been proved that pure air is two-thirds of a cow's ration; in other words, for every pound of feed and water

combined that is consumed it requires the oxygen from two pounds of pure air to properly assimilate this feed. It is true that no farm stock buildings are air tight; but if the stock can get only one-half the required amount of pure air, it would have the same effect as if they were given only a part of the feed and water they naturally require to sustain life and make them productive.

Much has been written on the subject of ventilation for farm



Weston, OR
1916



The King System, which is the best part of the King Ventilating System, used in the past but is now almost the only one obtained by an expert, will give the best results. The King System ventilator is made of galvanized steel and is painted by color. It is the best and most economical system of ventilation for farm buildings and residences. The King Ventilator is made of galvanized steel and is painted by color. It is the best and most economical system of ventilation for farm buildings and residences. *Minna* General Manager King Ventilating System

MAJESTIC VENTILATORS

For Barns and Stables
Majestic Ventilators are scientifically and constructed. They have been for the best and most approved models rket.

Each ventilator required is governed by the number of cattle in the building. If more than twenty cattle under one roof I have two or more ventilators of the

Each ventilator has a continuous draft to draw out the foul air and replace it with fresh air, without causing a draft.

These ventilators will go a long way in making any outbuilding attractive. The service consists in keeping the building ventilated under all weather conditions. Agricultural authorities agree that ventilation is necessary in order to get the best from stock of any kind. Animals in a building continually supplied with fresh air. Considering the low price and the high quality of our ventilators, no farmer can afford to be without one.

Extra heavy 22, 24 and 26-gauge galvanized steel is used in the manufacture of our Majestic Ventilators, according to size. Nothing thinner than 26-gauge galvanized steel is permitted. This is much thicker stock than is generally used. Each ventilator is equipped with four stay wire screen is provided to keep the birds out. When properly secured to the roof, our ventilators, owing to their weight and scientific attachment, will resist unusually severe storms.

Price Ventilators for Small Buildings.

Price Ventilators for Large Buildings.

Price of Prime Ventilators for Small Buildings.

Price of Prime Ventilators for Large Buildings.

Capacity	Galvanized Steel	Galvanized Steel with Screen	Price
1000	\$1.50	\$2.00	
1500	\$2.00	\$2.50	
2000	\$2.50	\$3.00	
2500	\$3.00	\$3.50	
3000	\$3.50	\$4.00	
3500	\$4.00	\$4.50	
4000	\$4.50	\$5.00	
4500	\$5.00	\$5.50	
5000	\$5.50	\$6.00	
5500	\$6.00	\$6.50	
6000	\$6.50	\$7.00	
6500	\$7.00	\$7.50	
7000	\$7.50	\$8.00	
7500	\$8.00	\$8.50	
8000	\$8.50	\$9.00	
8500	\$9.00	\$9.50	
9000	\$9.50	\$10.00	
9500	\$10.00	\$10.50	
10000	\$10.50	\$11.00	

Capacity	Galvanized Steel	Galvanized Steel with Screen	Price
10000	\$11.00	\$11.50	
11000	\$11.50	\$12.00	
12000	\$12.00	\$12.50	
13000	\$12.50	\$13.00	
14000	\$13.00	\$13.50	
15000	\$13.50	\$14.00	
16000	\$14.00	\$14.50	
17000	\$14.50	\$15.00	
18000	\$15.00	\$15.50	
19000	\$15.50	\$16.00	
20000	\$16.00	\$16.50	

SEARS, ROEBUCK AND CO., CHICAGO, ILLINOIS.

Barn - Details

Cupolas & Ventilators



Whitman Co. - The Smith
Place - 1935



Snohomish Co. - Grimm-
Jensen Farm - 1932



Adams Co. - Krause Barn -
1901



Pierce Co. - c1923



Spokane Co. -
Hyslop Farm - 1926



Pend Oreille Co. -
LaPorte Barn - 1901

Barn - Details Equipment



Cook Family Farm – 1927



Shady Nook Farm – 1920



Smith Place – 1935



Grimm-Jensen Farm – 1932



Schindler Farm – 1909



Barn - Details Decoration



Heath Farm – c.1920



Bolick Farm – 1895



Ebby Road Farm – 1923



Brown Farm, Olympia – c. 1905

Barn - Details Decoration



Cochran-Rice Farm, Cottage Grove, OR



Barn, Oakland, OR



Polson Farm, Waterville, WA – c. 1915



Gribble Barn, Canby, OR

Associated Farm Buildings

- Bunk Houses
- Fruit Dryers
- Granaries
- Hop Dryers
- Machine Shed
- Milk Houses
- Poultry Houses
- Root Cellars
- Silos
- Smoke Houses
- Water Towers



Associated Farm Buildings



Woodshed



Outhouse



Granary



Farmhouse

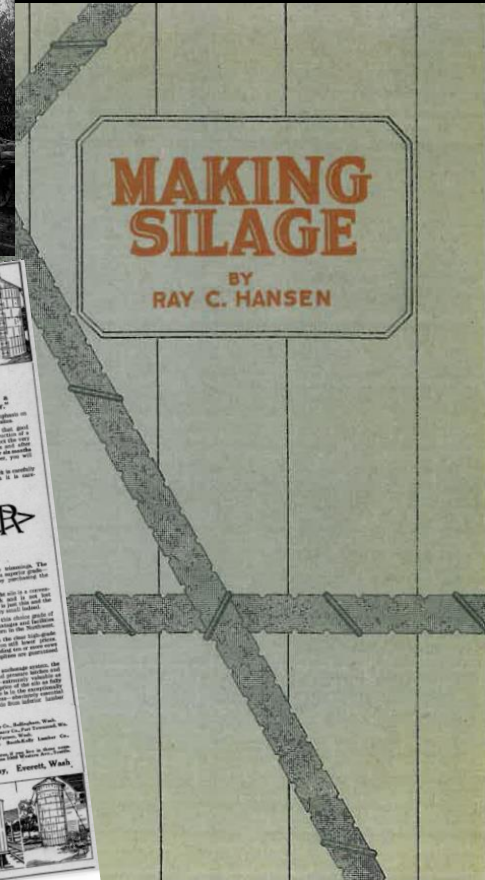
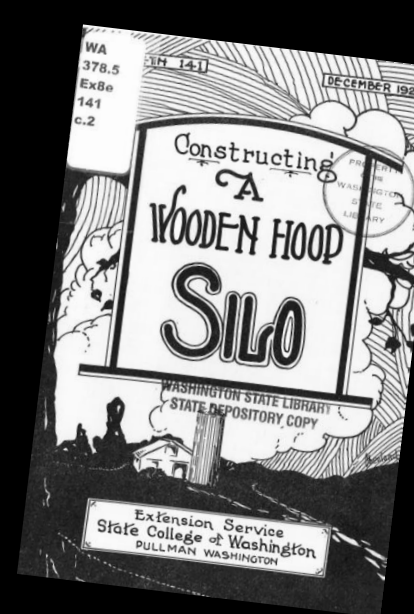
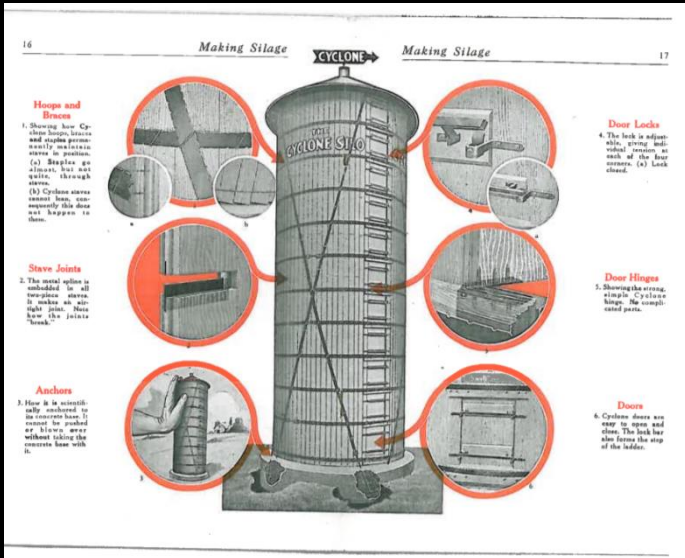


Homestead Cabin



Root Cellar

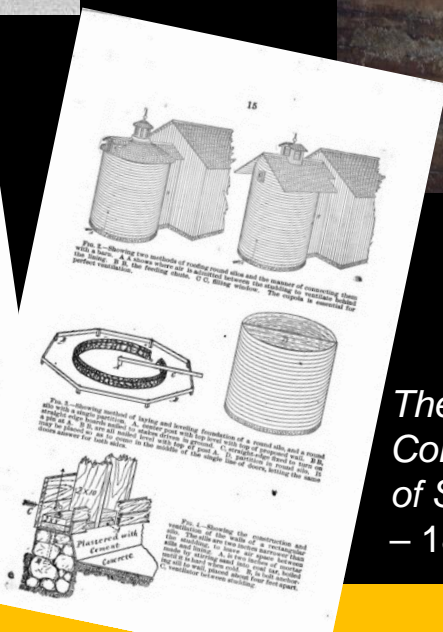
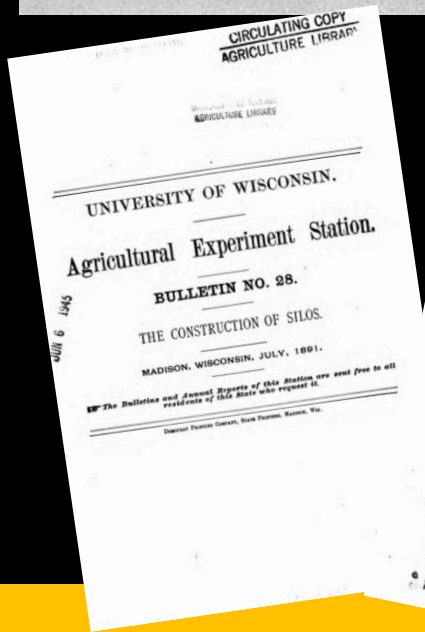
Silos - Typology



Silos - Typology

King Silo (Note horizontal boards)

Franklin Hiram King
– Prof. University of Wisconsin



The
Construction
of Silos
– 1891

Klickitat Co. – 1900

Silos - Typology

Timber Crib - Tung-Lok Silo



Asotin Co - c.1915

THIS Tung-Lok Silo \$155

THIS Tung-Lok Silo, 10 feet in diameter, 24 feet high and having 2-inch net wall thickness, is ready for shipment to you immediately for \$155.00 f.o.b. Union Mills, Washington, exclusive of roof. Roof material will be \$16.50 f.o.b. Union Mills.

This is the biggest opportunity that has ever been offered you from a reliable, substantial company and is an opportunity that will not be offered you again for a long time to come. Silos that will not be offered you again for a long time to come. Silos that are advancing in price and there is little hope that they will come down again for several years. Silos are hard to get these days, larger silos in the big grain and stock raising parts of the country, we have enough of these 10-foot diameters to offer the farmers of Washington at bargain prices.

You can have any height you want in this 10-foot diameter, but after these are gone - well, they're gone, and the prices will have to be made on the basis of the manufacturing costs then prevailing.

You Can't Afford to Let This Chance Get By. NOW is the Time to Buy!

North-Washington Implement Co., Lynden, Wash.

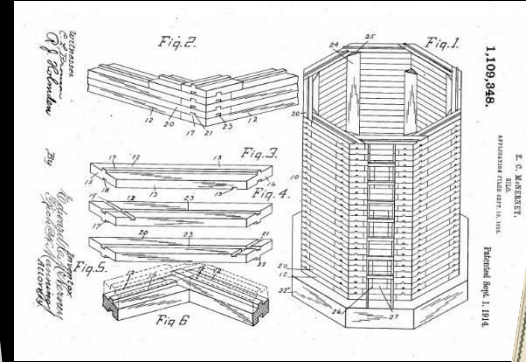
Lynden Tribune - Aug 15, 1918

Lynden Tribune - August 15, 1918

A great many silos have either blown down or been badly wrecked because the farmer put off tightening the bolts or loosening the anchors. If a strong wind comes up and the bolts are loose or the anchors are not tightened, unless the silo will be broken up by the action of the wind or the silo will be blown down.

Why not do away with all this nuisance and get the one who has done not need long, heavy anchors, or need long, heavy bolts, or who has not a good plan of silo construction that will stand the test of time and all the time.

TUNG-LOK



Pullman Herald - June 18, 1920

TUNG-LOK Grain Bins

Low in Cost Easy to Erect

From One of More of These Grain Bins in Your Field and Realize Higher Profits

SAVE THE SACK BILLS

In many parts of the country farmers use sacks. These sacks frequently are sent around on empty spurs. Now, the amount of time that this supply is left will be gone, and you may not be able to get sacks at any price. Right now, a bushel of grain, and around \$1.00 for sacks to take care of 1000 bushels. The saving in sacks alone will soon pay for a Tung-Lok Bin.

One Year's Sack Bill will Pay for Your Grain Bin

Join the thousands of progressive, up-to-date grain raisers - Build Your Grain Bin

E. C. REDGLEN, Phone M200
R. H. DODDGE, Phone 31

Pullman Washington

THE HOME OF THE FAMOUS TUNG-LOK SILO

UNION LUMBER COMPANY

MANUFACTURERS OF

FIR LUMBER

RED CEDAR SHINGLES AND TUNG-LOK PRODUCTS

SPECIALISTS IN

Long Timbers, Railroad and Bridge Material

UNION MILLS, WASH.

Silos - Typology

Timber Crib – Common Sense Silo

The Modern Safe Deposit Vault.

"IF I HAD TO RUN A FARM WITHOUT A SILO I WOULDN'T."

That's the way one successful farmer put it, a farmer who has run a farm without a silo.

The feed problem gets worse each year, and every stalk of corn you feed as fodder increases your feed costs.

With a good corn crop this year stored in a **COMMON SENSE SILO** you won't have any feed troubles this winter. Your stock will stand the winter better and you will have money in the bank instead of big feed bills to pay.

The **COMMON SENSE SILO** will give you entire satisfaction. Your silo ought to be up soon.

See us about it just as soon as you can.

Not Affected by Panics.

North Coast Lumber Co.
THE LOCAL LUMBER YARD

Sunnyside Daily Sun
- July 15, 1915



Okanogan Co. – c.1912

The Common Sense Silo

A Modern Safe Deposit Vault

The Silo that is **UNEQUALLED** for **Simplicity, Strength and Durability**

Let us tell you about this Silo and how cheaply you can build one.

Yours truly,

NORTH COAST LUMBER CO.
A Home Yard for Home Builders
Money Spent Here Stays Here

Sunnyside Daily Sun
- April 17, 1913



Tonasket – c.1915



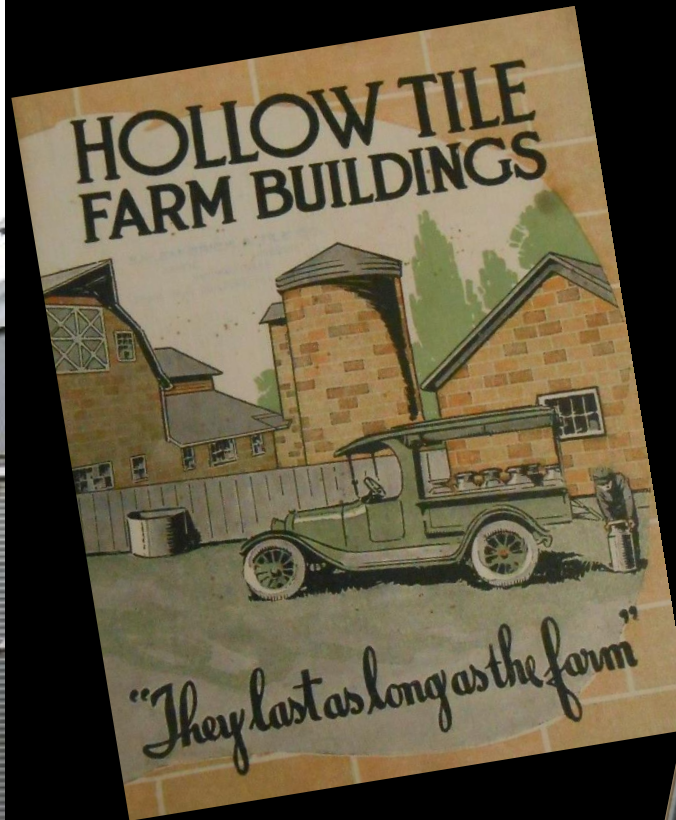
Soos Creek Park -
Kent. – c.1912

Silos - Typology

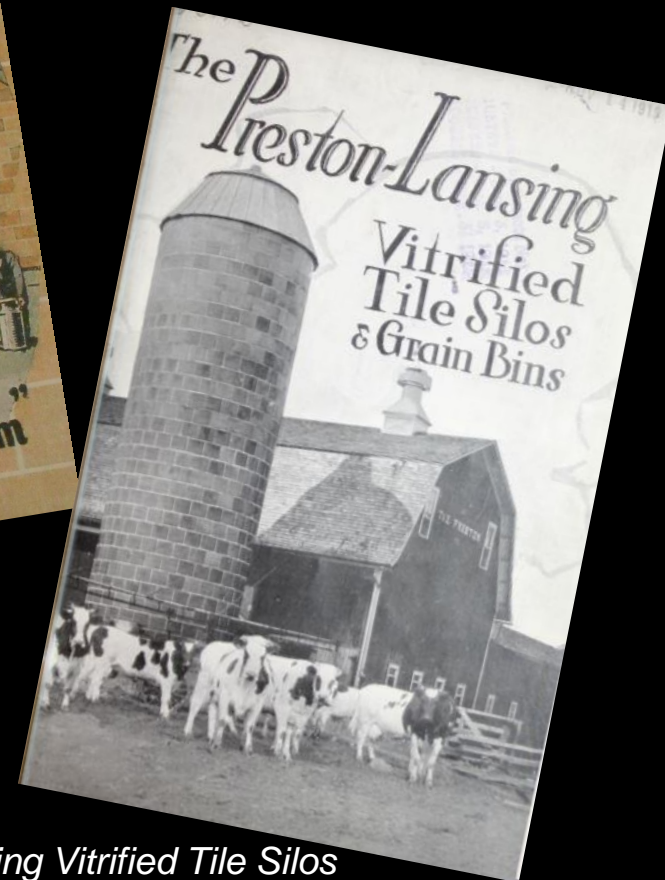
Glazed Tile Silo



Clark Co. - 1920



Hollow Tile Farm Buildings
- 1918



*Preston-Lansing Vitrified Tile Silos
& Grain Bins* - 1919

Silos - Typology

Brick Silo



Spokane Co. – 1919



Cowlitz Co. – c.1920



Lewis Co. – c.1920



Farm Homes of Brick - 1925

Silos - Typology

Concrete Silo (monolithic, block)

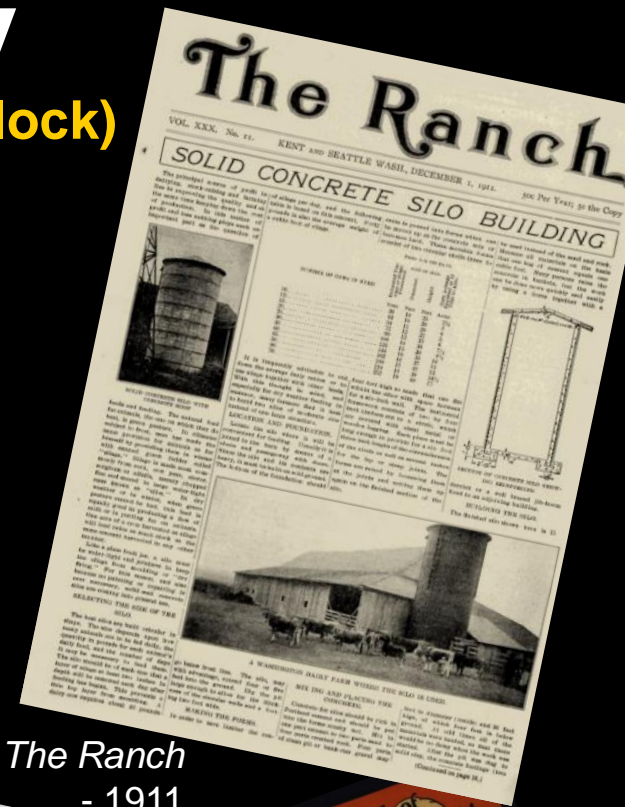


Grays Harbor Co. - c.1935



Lincoln Co. - c.1922

Concrete on the Dairy Farm - 1921

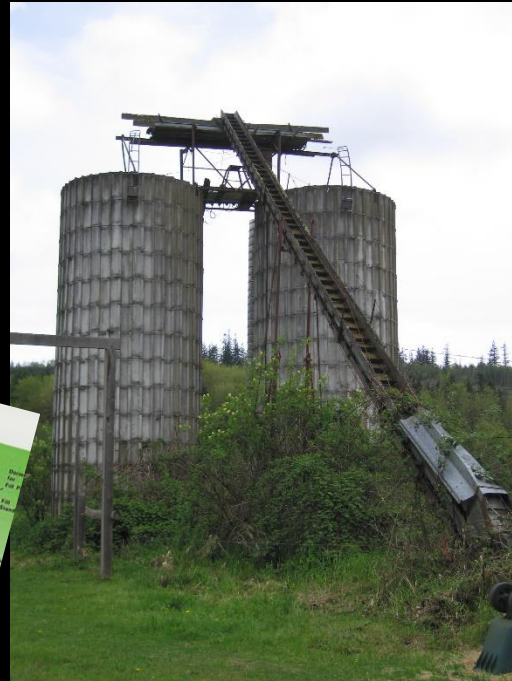


The Ranch - 1911



Silos - Typology

Concrete Silo (Ribstone / Stave Silo)



Jefferson Co. – c.1930



Pierce Co. – c.1920



Silos - Typology

Steel Paneled (Harvestore) Silo



Pierce Co. - c.1935



Adams County - c. 1948

Advertisement
- 1956

How would you like to...
Feed 100 cattle in 5 minutes?
Harvestore Owners do it regularly with

exclusive bottom unloader
and mechanical feeder

HARVESTORE® AUTOMATION
cuts labor costs up to 80%, owners report

Throw away your pitch fork and shovel. No more lifting, loading, stacking or pitching hay or corn. Now, exclusive Harvestore bottom unloader and mechanical feeder give you dependable mechanical help to cut chocking and labor costs... step up production. The Harvestore bottom unloader is a revolutionary engineering achievement... proven in daily use on thousands of farm installations.

More than a labor saver, Harvestore gives you unmatched capacity with its in-the-bag, cut-the-bag principle... continuous "flow" processing that can handle up to triple capacity over "dead storage". Harvestore Feeder Automation is another exciting advantage of the Vertical Farming. Get all of the money-making facts. Mail the coupon today.

With just 15¢ down, you can buy the Harvestore completely and mechanically. Take up to 3 years to pay balance.

From field to feeding with a tip of the switch

A.O. Smith
FARM EQUIPMENT DIVISION
MILWAUKEE, WISCONSIN

A. O. Smith is a Division of The General Electric Company

Copper-content
ROSSMETAL SILO
galvanized
is a Real Money Maker

**GREATER SAFETY
BETTER SILAGE
MORE PROFIT**

from the ROSSMETAL SILO, now the choice of successful farmers everywhere. Gives protection against fire, wind-storms and freezing troubles. Does not shrink or swell and resists silage acids. Keeps silage sweet and saves loss from spoilage. Can be easily erected, lasts a lifetime and the height can be increased at any time at a minimum cost. These ROSSMETAL Silo advantages make for larger profits.

All these facts are proved over and over again by letters from Ross owners. Everyone interested in buying a Silo should first read "Users Own Words." It is free—send for it today.

Easy terms. Buy now—pay later.

THE ROSS CUTTER & SILO CO.
Established 1859
10 Warder St.
Springfield, Ohio

Write your name on margin. Check items which interest you and we will send complete information.

Users Own Words
FREE BROCHURE

Silos ■ Crib ■ Cutters ■ Stanchions ■
Brooder Houses ■ Hog Houses ■

Advertisement
- 1930

**Increase Milk Production
This Modern Way**

THE MARTIN MAKER is the new and modern way for fast, quality milk-making. It's simple, weather-proof and safe. Here you have the modern, weather-proof, steel and tin body. The MAKER is an exclusive feature. You can depend on a Martin Milk Maker for complete, automatic, dust-free milk production. 100 Lippincott Ave., Mansfield, Ohio.

Present in the Design and Fabrication of Steel Buildings Enclosures for the Farm

STEEL MARTIN-BILT

Advertisement
- 1948

Plaque Program



Custom plaque to be displayed on each barn for educational purposes and road-side identification



Heritage Barn Grant Program



Grant Recipients



Grant Recipients

Before



After



Prevedell Farm, Skagit Co.

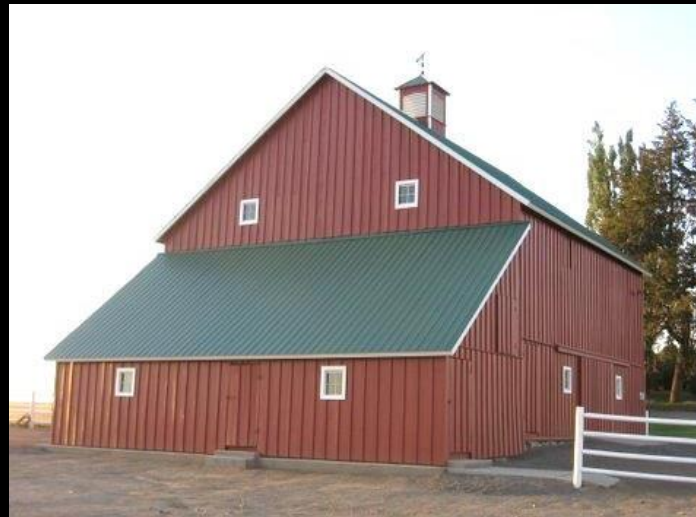
Café Creek Ranch, Adams Co.

Grant Recipients

Before



After



Erickson Farm, Thurston Co.

Straub Farm, Lincoln Co.

Grant Recipients

Before



After



Crocker Ranch, Yakima Co.



LaPorte Farm, Pend Oreille Co.

Grant Recipients

Before



After



Hall Ranch, Yakima Co.

Heidenreich Dairy, Whitman Co.

The Washington State

Department of Archaeology & Historic Preservation



Michael Houser, *WA State Architectural Historian*
360.890.2634 or michael.houser@dahp.wa.gov

