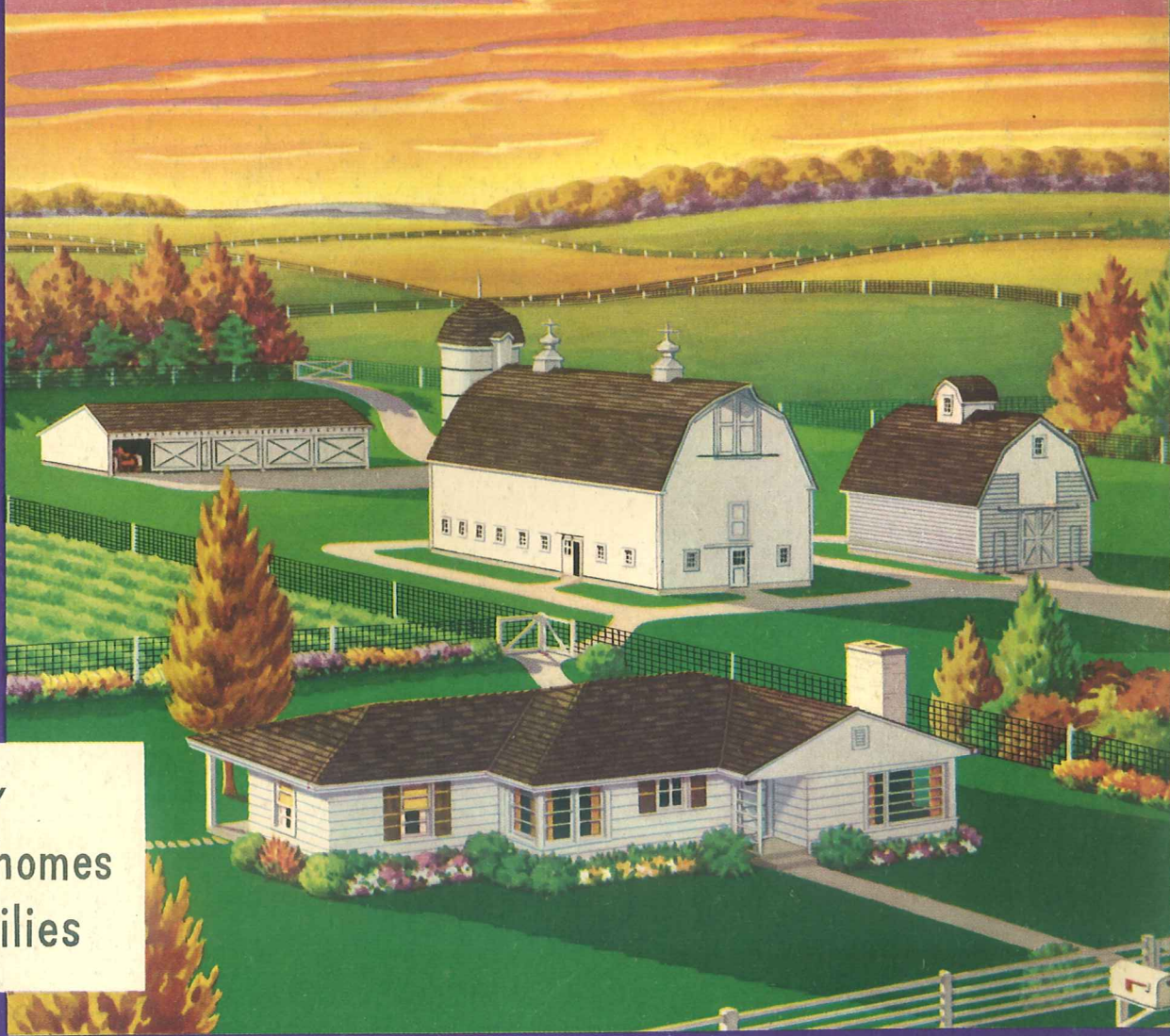
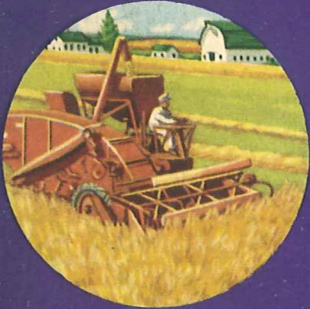


# National

## FARM BUILDINGS



*Including*  
many modern homes  
for farm families

# BADGER LUMBER CO., INC.

Successors to South Side Lumber Co.

Phone 197

PARKERSBURG, W. VA.

*Chalfant*

# MODERN, EFFICIENT BUILDINGS MEAN *Farm Profits*

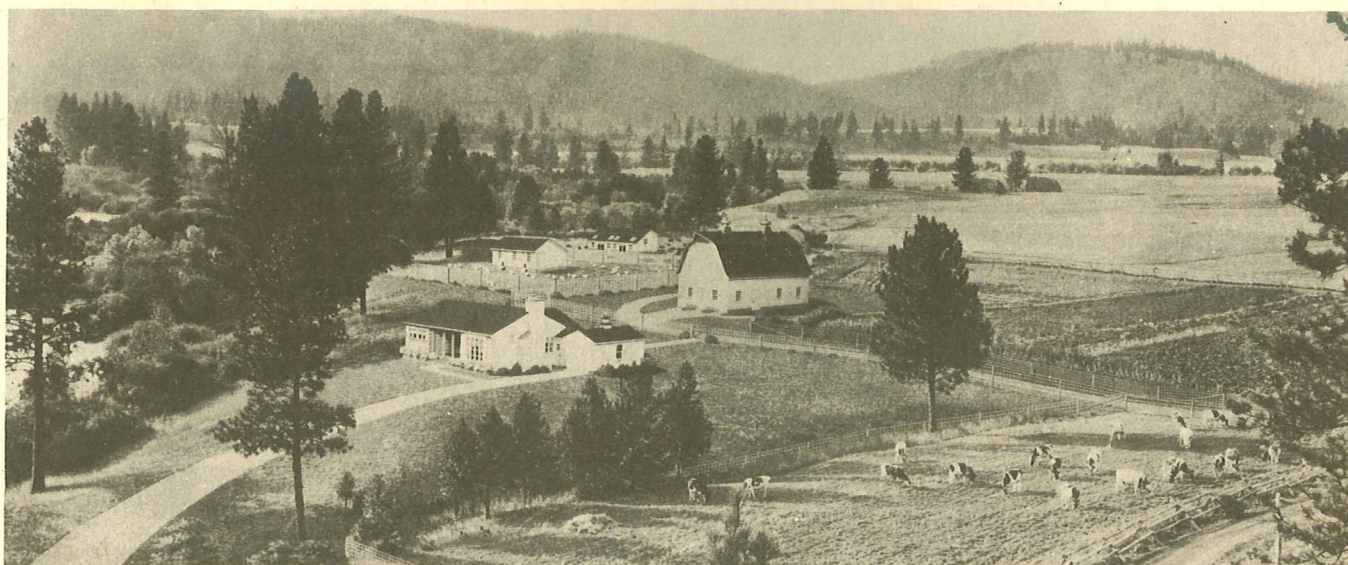
Greater efficiency and economy in the profitable operation of a farm is the end result to which all of the farm structures presented in this book are directed. It has always been our contention that proper housing of livestock, together with modern methods and equipment, will save farm labor to the same extent that today's many modern household devices are reducing farm household drudgery.

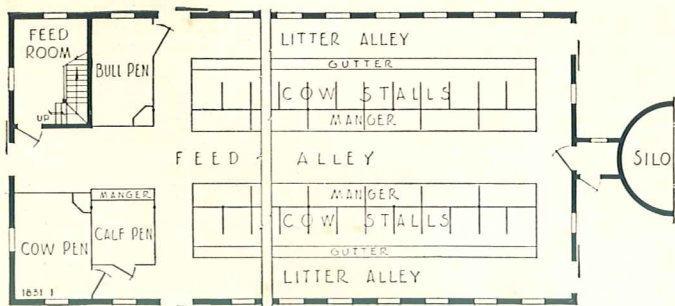
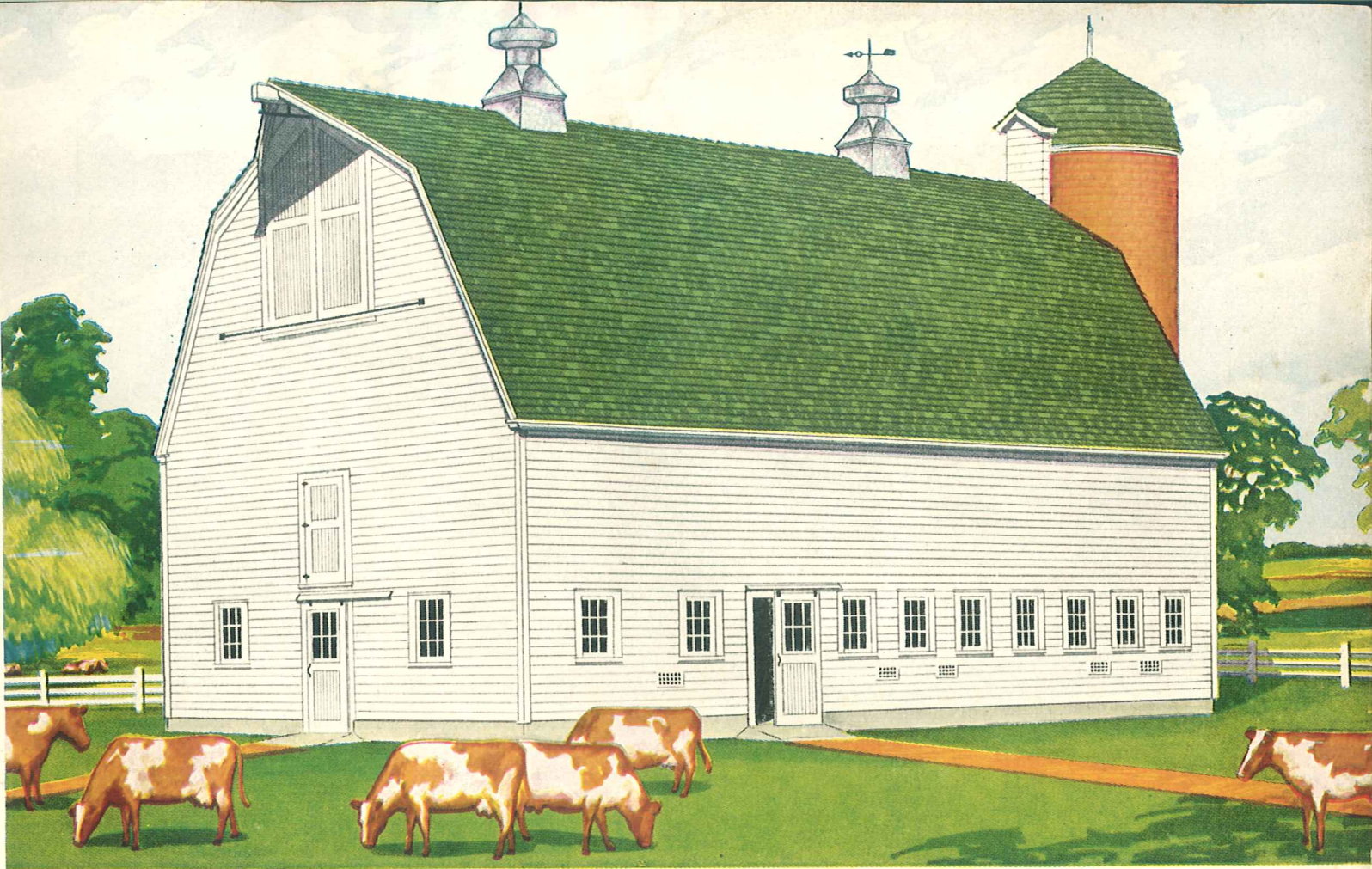
Well-planned buildings are prime essentials in the efficient operation of a modern farm. By the same token poorly constructed buildings depreciate farm values and result in a loss of labor and hazard to livestock.

The type of structures you require on your individual farm is dependent upon many factors, and for this reason, we present herewith a wide range for your selection. You may choose from among them with the assurance that whatever your choice may be, you will find it represents the highest standard of quality, utility, economy, strength, and sanitation.

The modern farm homes offered for your consideration are practical homes that have been designed by experts who realize the requirements of comfortable and efficient farm living. A glance at the floor plans will indicate many conveniences, such as large efficient workrooms and step-saving floor plan arrangements to conserve time and energy in household duties and promote comfortable farm living. The exteriors of these homes were designed to achieve the most effective blending of home and natural surroundings — incorporating modern design features, such as the extensive use of glass to obtain the utmost benefit from an abundance of sunshine and ventilation.

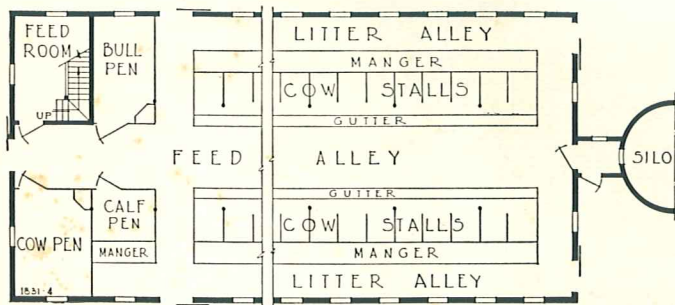
Our experience, and knowledge of materials, trade conditions, and finance are at your disposal at all times. Please feel free to come in and discuss any phase of home building with us, for we welcome such discussions, and you have our absolute assurance that they will entail no obligation on your part.





**COWS FACING IN**

- PLAN 1.....36'0" x 70'0".....24 COWS
- PLAN 2.....36'0" x 80'0".....30 COWS
- PLAN 3.....36'0" x 90'0".....36 COWS



**COWS FACING OUT**

- PLAN 4.....36'0" x 70'0".....24 COWS
- PLAN 5.....36'0" x 80'0".....30 COWS
- PLAN 6.....36'0" x 90'0".....36 COWS

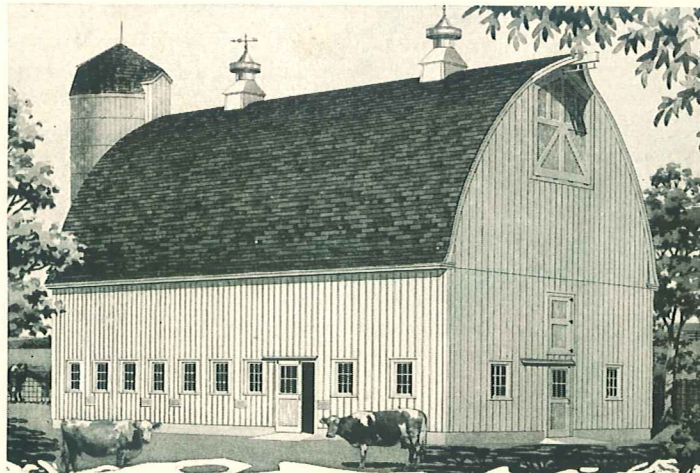
**MOW CAPACITY**

SIZE	DESIGN A	DESIGN B
36'0" x 70'0"	98 TONS LOOSE HAY	104 TONS LOOSE HAY
36'0" x 80'0"	110 TONS LOOSE HAY	119 TONS LOOSE HAY
36'0" x 90'0"	122 TONS LOOSE HAY	134 TONS LOOSE HAY

**DAIRY BARN NO. 1831-A**

*Gambrel Roof — Braced Rafter*

These well constructed dairy barns not only give you a selection of three floor plans arranged for cows facing out and three floor plans for cows facing in, but also give you two different types of construction to select from, which makes a total of 12 alternates. Foundation walls extend 1-2/3 feet above grade. Frame side walls are 16 feet high. Lower floor ceiling is 8 feet high.



**No. 1831B — Gothic Roof — Sawed Ribs**

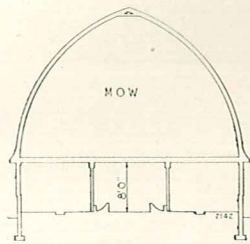
**DAIRY BARN S**



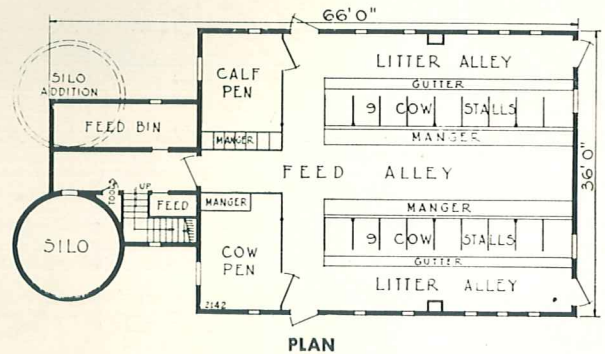
## DAIRY BARN NO. 2142

*Gothic Roof — Bent Ribs*

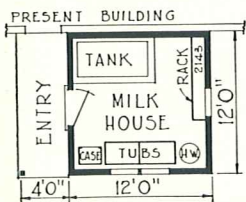
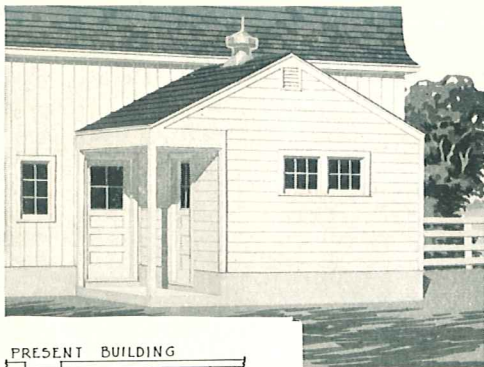
This standard dairy barn will house eighteen cows in stanchions and all facing in to center feed alley. Simple, practical planning includes two large pens at one end and makes easy access to silo and feeding facilities. Although plans, provide rafters or roof ribs built up of five pieces of 1 x 3's, stock laminated rafters may be substituted if desired.



SECTION  
MOW CAPACITY  
45 Tons Loose Hay



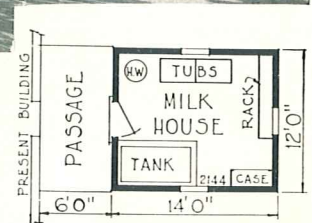
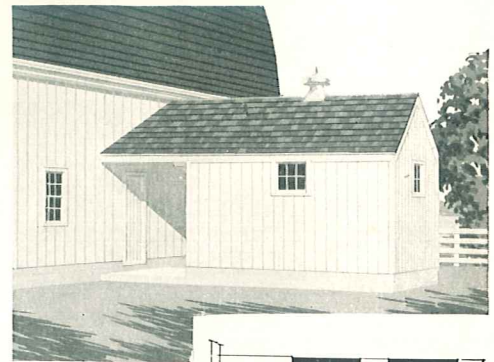
PLAN



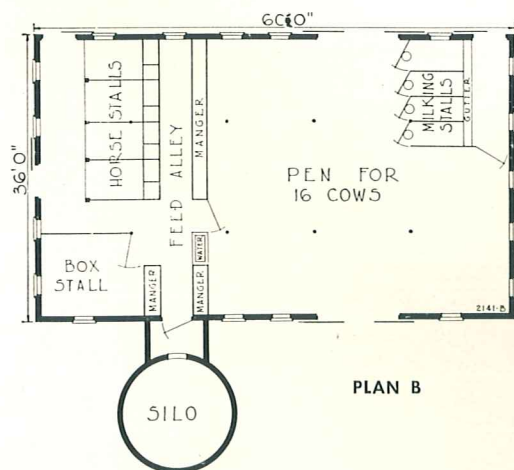
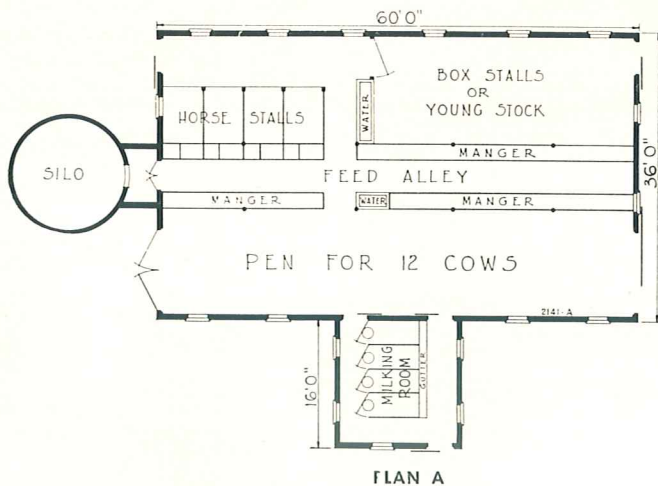
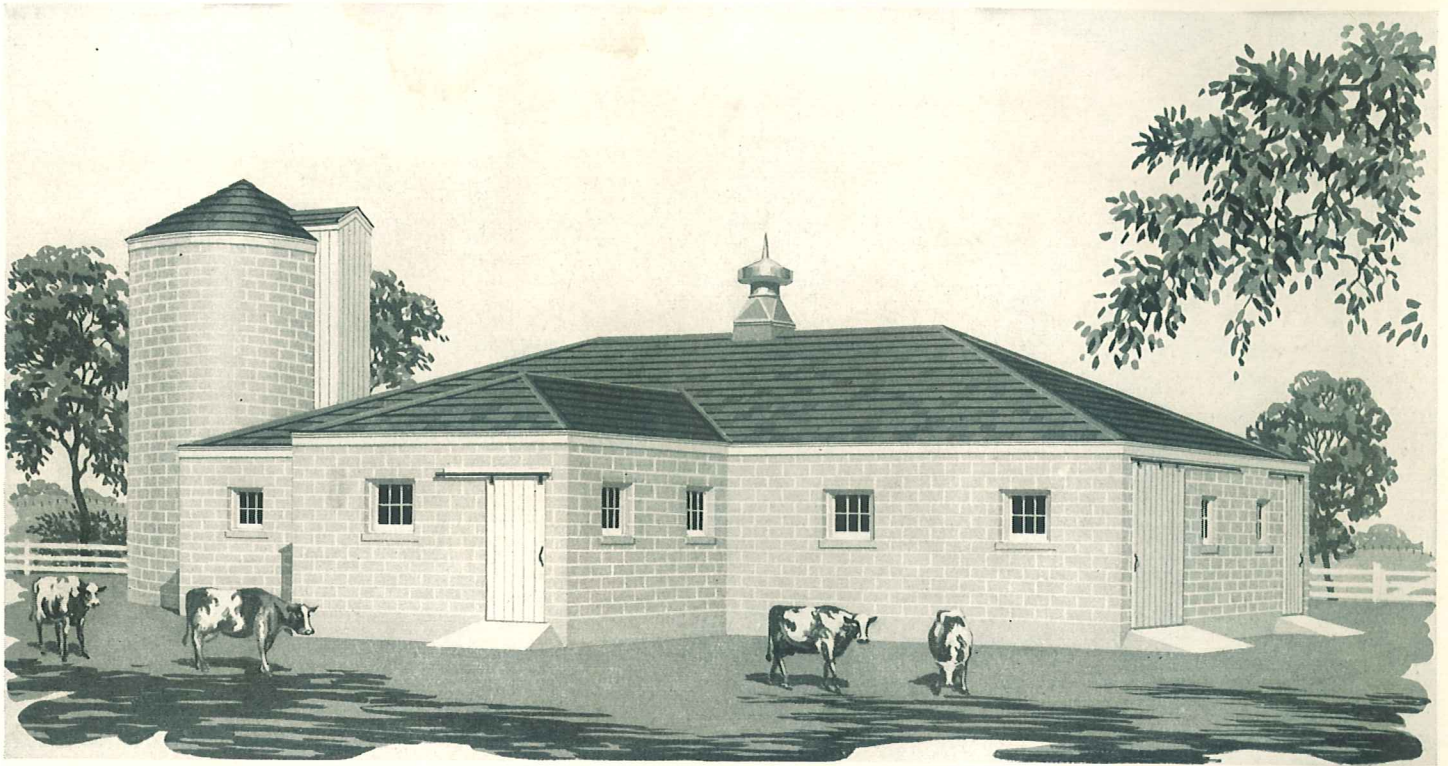
DESIGN  
No. 2143

*Two ways to Build  
a Milk House onto  
an existing barn*

Either of these milk house suggestions will help to cut down milk rejections, lower spoilage, and reduce spillage. Construction is simple and can be used with any type of existing barn.



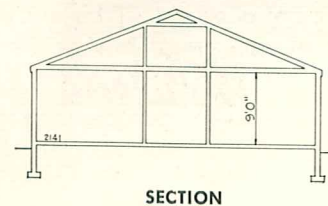
DESIGN  
No. 2144

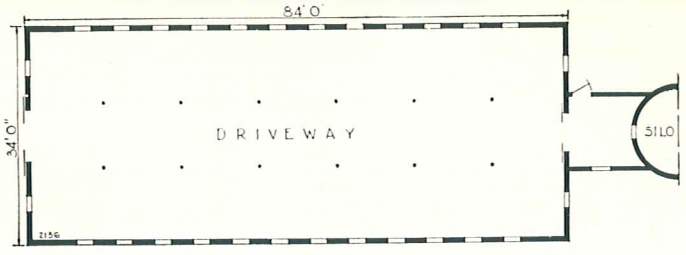
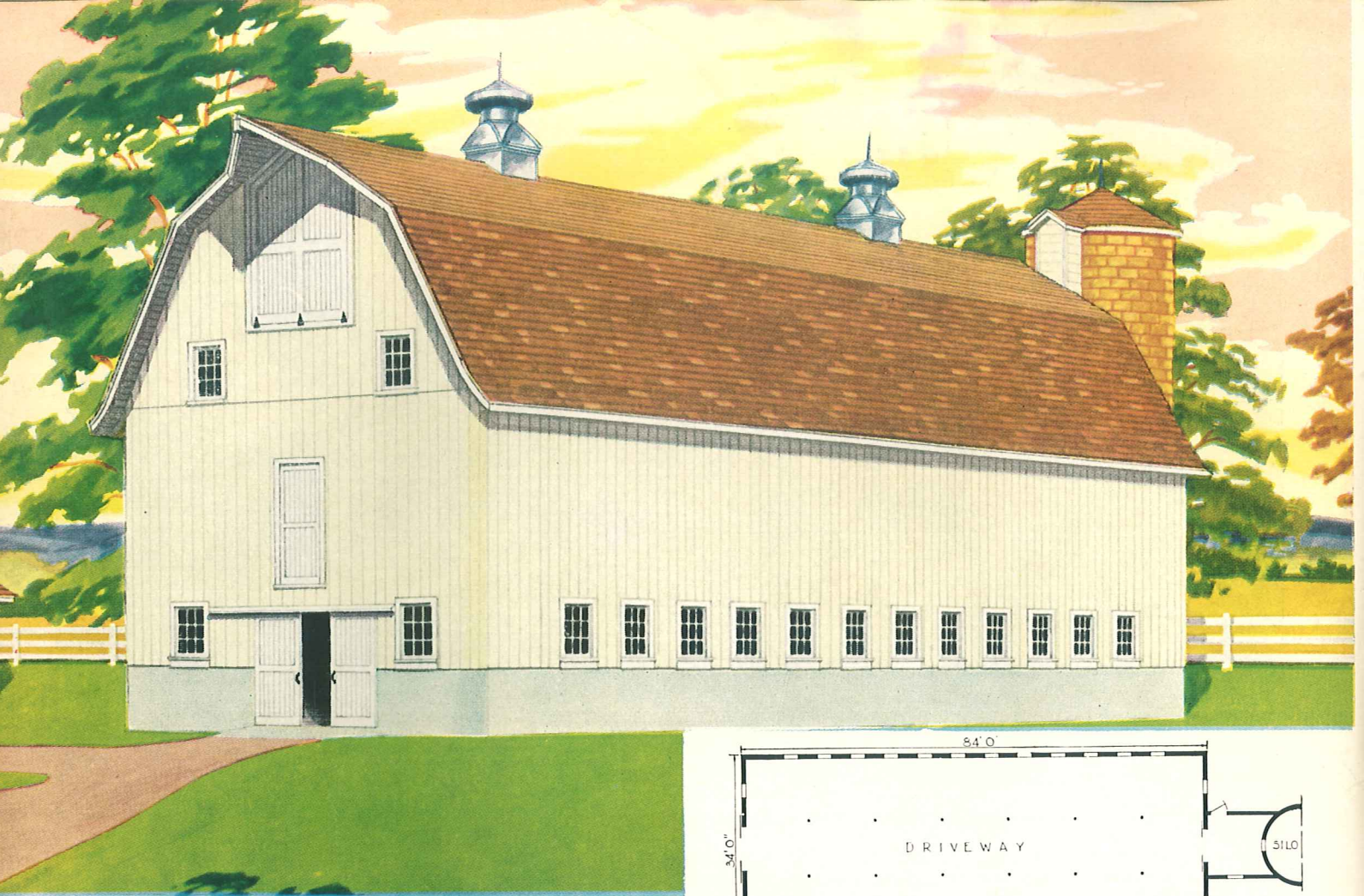


## NO. 2141

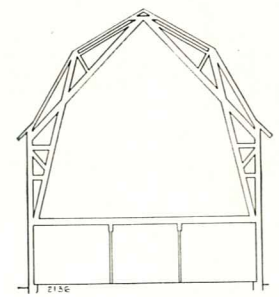
### A PEN BARN WITH MILKING ROOM

This pen-type or "loafing" barn, with milking room included, is inexpensive, convenient, easily kept clean and adapted to health and comfort of the animals. It is rapidly becoming popular in main dairy sections of the United States. The cows can run loose in the large "loafing" section of the barn until they are led into the smaller section for milking. Auxiliary stall and pen facilities are also included. The picture above is for Plan "A." Although, both plans are the same size, Plan "A" is designed for twelve cows and Plan "B" will accommodate sixteen cows. When ordering plans specify whether Plan "A" or Plan "B" is wanted.





PLAN



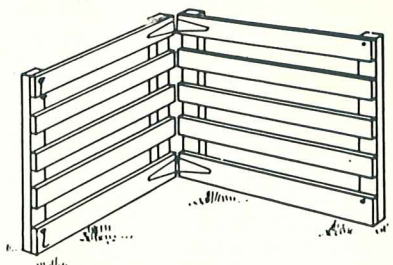
SECTION  
Plank Truss

## BARN NO. 2136

This structure is planned according to the "Shawver" barn framing method which is used in the heavier designs. The plan is left open to enable the farmer to place equipment according to his special requirements. Foundation runs 4½ feet above grade. Side frame walls are 18 feet high. Ceiling of stable is 8½ feet. We can furnish estimates for additions or deductions of 12 foot bents.

MOW CAPACITY.....122 TONS LOOSE HAY  
FOR EACH 12'0" ADDED... 17 TONS LOOSE HAY

BARN & FARM EQUIPMENT

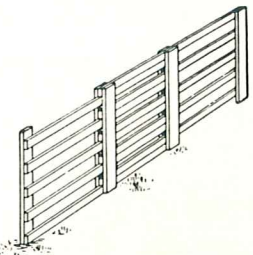
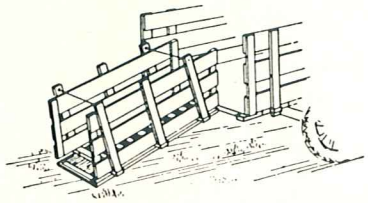


No. 1960

HINGED PEN PANELS: For making temporary pens. Two sections are hinged together and can be hooked to walls or other panels. Size of each section is 4 feet wide by 3 feet high.

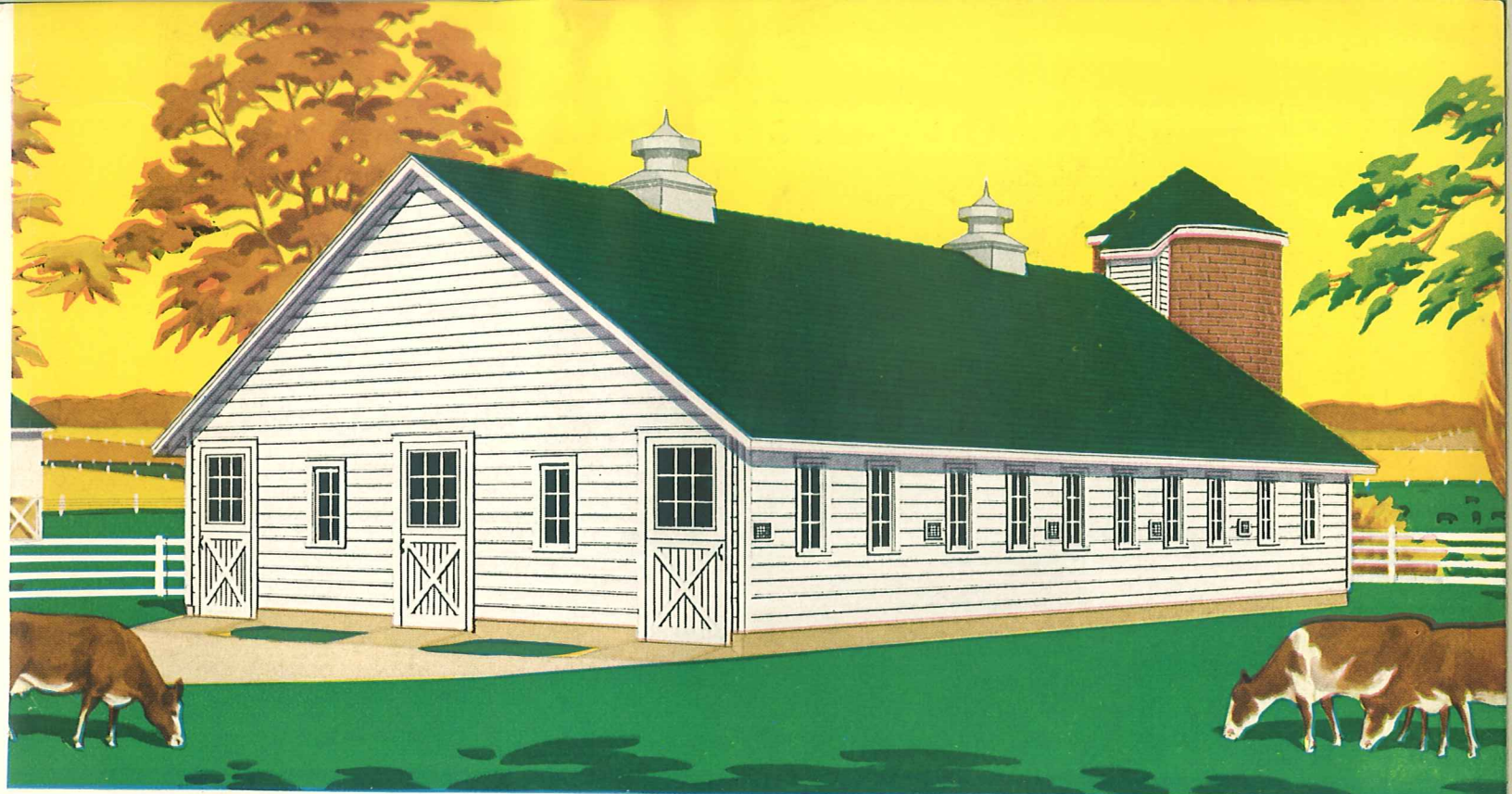
No. 1963

LOADING CHUTE (TAKEDOWN): For the safe loading of sheep or hogs. Strap iron hooks furnish satisfactory contact with truck or wagon bed. Size 2 feet 10 inches wide, 3 feet 10 inches high and 10 feet 6 inches long.



No. 1959

EXTENSION HURDLE: May be closed up to 6-1/3 feet or extended to 11-2/3 feet. Height of panel, 3 feet 1 inch. Very practical for making temporary pens and alleys.

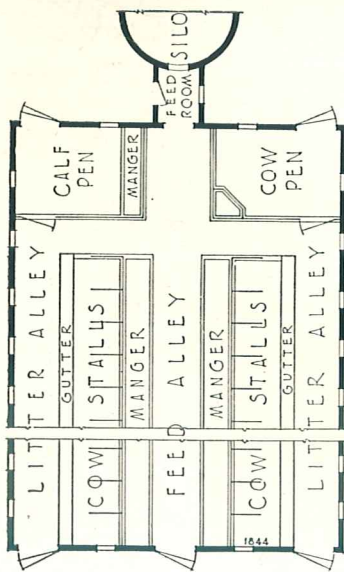


## DAIRY BARN NO. 1844

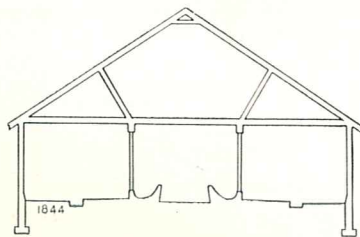
### DIMENSIONS

- PLAN 1.....SIZE 34'0" x 48'0"
- PLAN 2.....SIZE 34'0" x 58'0"
- PLAN 3.....SIZE 36'0" x 68'0"
- PLAN 4.....SIZE 36'0" x 78'0"

This type of dairy barn has met the approval of many practical farmers who do not require an overhead mow for hay storage. Plans for either 20, 26, 32 or 38 cows in stanchions can be furnished. Foundation extends 1 foot above grade. Frame side walls are 7½ feet high. Ceiling is 8 feet high.



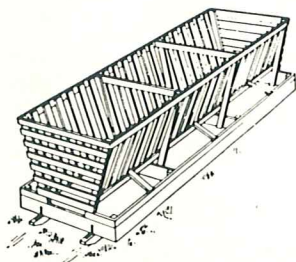
PLAN



SECTION

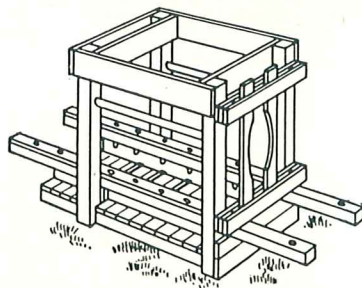
### No. 1971

**CATTLE STOCKS:** Firmly constructed with members securely bolted. A necessary structure for swinging injured animals, trimming hoofs, dehorning, etc. Size 12 feet long, 4 feet wide and 6 feet 10 inches high.



### No. 1974

**FEED RACK FOR CATTLE:** An adequately braced structure mounted on 4" x 6" skids to facilitate moving. Size, 18 feet long, 8 feet wide and 7 feet 2 inches high.



### No. 1966

**CATTLE BREEDING RACK:** Of particular value when breeding aged or heavy bulls with heifers. Adequately braced and requiring a minimum quantity of material. Size 3 feet 11 inches wide, 4 feet 4 inches high and 9 feet long.

# STANDARD "OPEN PLAN" BARN

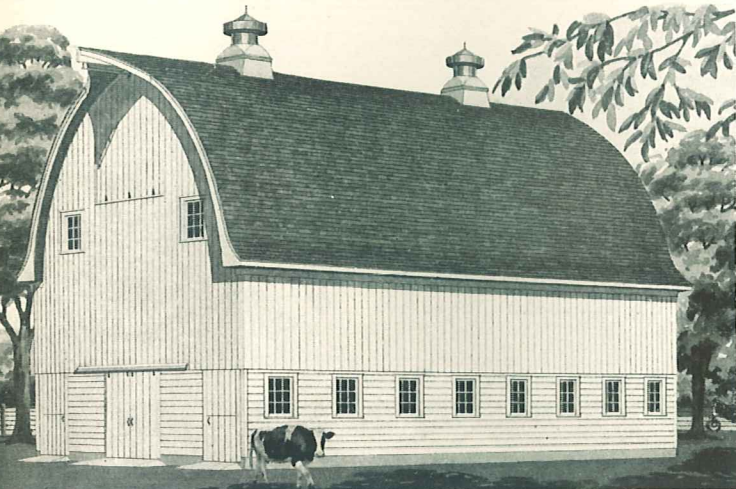
The plans are complete with all construction details and will enable the builder to erect the barn not only to conform to sizes specified, but to greater lengths in units of ten feet as may be desired.

The working floor plans do not show stall arrangements nor placement of equipment, but are left open thereby enabling the farmer to arrange the interior according to his individual needs.

NOTE VARIOUS SIZES OF BARN, MOW CAPACITIES AND STUD HEIGHTS AND ORDER THE PLAN WHICH FITS YOUR NEEDS BEST

## STANDARD GOTHIC ROOF BARN

SAWED RAFTER TYPE, BRACED



Barn No.	Size	Height of Stud	Mow Capacity	Mow Cap. Per 10 Ft. Length
1833A	32'x50'	14 Ft.	50 tons	10.0 tons
1833B	32'x50'	16 Ft.	56 tons	11.2 tons
1833C	32'x50'	18 Ft.	62 tons	12.4 tons

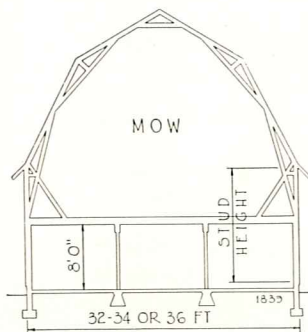
(Above Designs with Vertical Barn Boards)

1834A	34'x50'	14 Ft.	60 tons	12.0 tons
1834B	34'x50'	16 Ft.	66 tons	13.2 tons
1834C	34'x50'	18 Ft.	72 tons	14.4 tons

(Above 3 Designs with Siding as Illustrated)

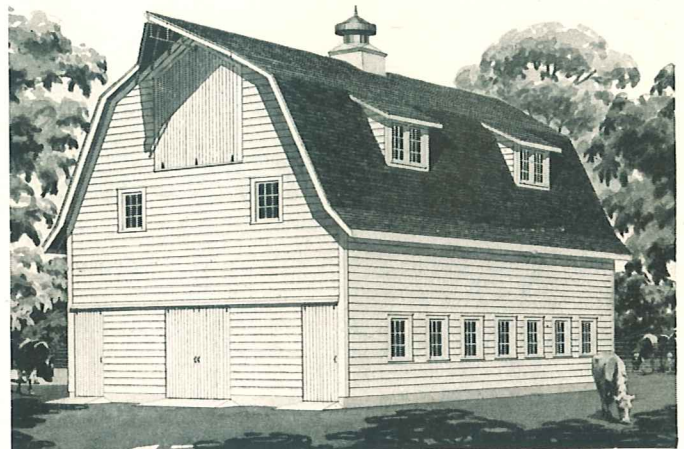
1835A	36'x60'	14 Ft.	83 tons	13.8 tons
1835B	36'x60'	16 Ft.	91 tons	15.1 tons
1835C	36'x60'	18 Ft.	99 tons	16.5 tons

(Above 3 Designs with Drop Siding)



## STANDARD GAMBREL ROOF BARN

BRACED RAFTER TYPE



Barn No.	Size	Height of Stud	Mow Capacity	Mow Cap. Per 10 Ft. Length
1838A	32'x50'	14 Ft.	52 tons	10.4 tons
1838B	32'x50'	16 Ft.	58 tons	11.6 tons
1838C	32'x50'	18 Ft.	64 tons	12.8 tons

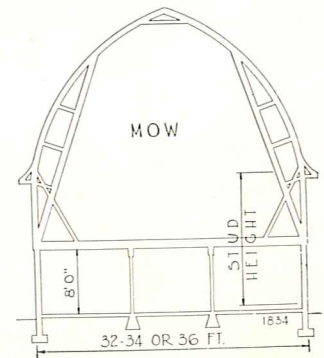
(Above Designs with Vertical Barn Boards)

1839A	34'x54'	14 Ft.	64 tons	11.8 tons
1839B	34'x54'	16 Ft.	71 tons	13.1 tons
1839C	34'x54'	18 Ft.	78 tons	14.4 tons

(Above 3 Designs with Siding as Illustrated)

1840A	36'x48'	14 Ft.	60 tons	12.5 tons
1840B	36'x48'	16 Ft.	66 tons	13.7 tons
1840C	36'x48'	18 Ft.	72 tons	15.0 tons

(Above 3 Designs with Vertical Barn Boards Above and Drop Siding Below)



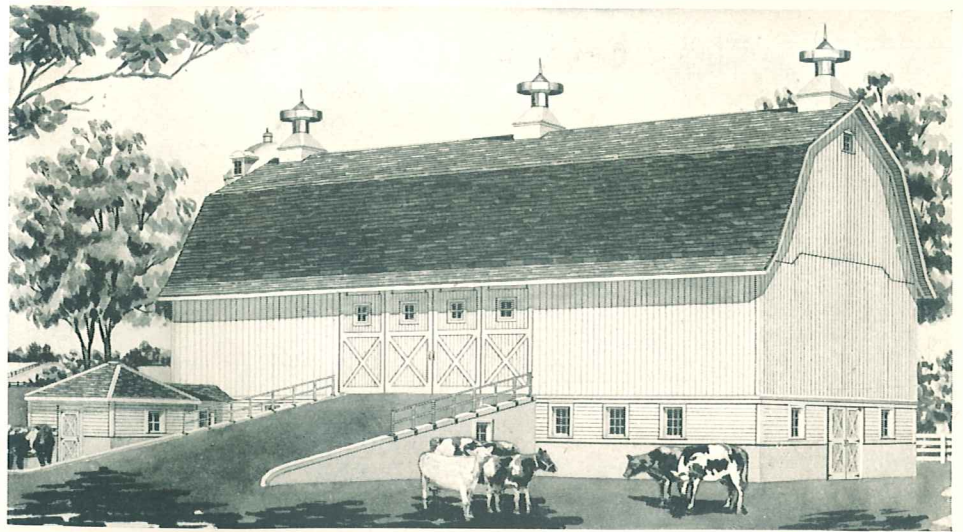
Call at our office for plans or other information on your farm building problems. Many other plans available.



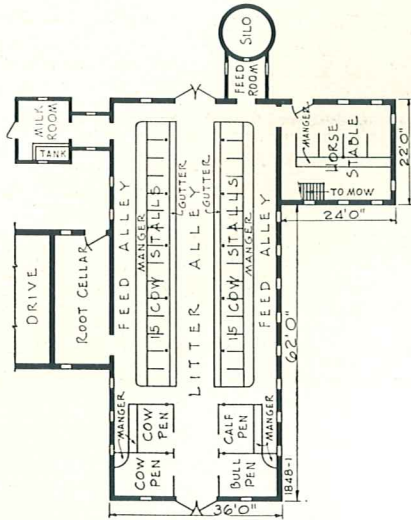


**CROSS SECTION—A**  
**GAMBREL ROOF**  
**SHAWVER TRUSS**

**GENERAL PURPOSE  
 BANK BARN  
 NO. 1848**

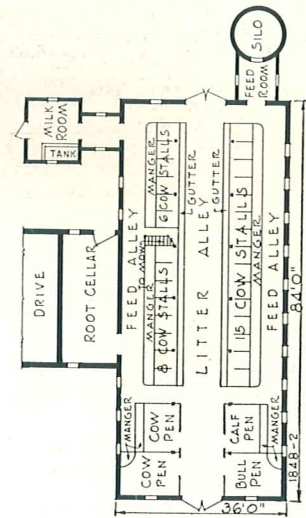


**DESIGN A**

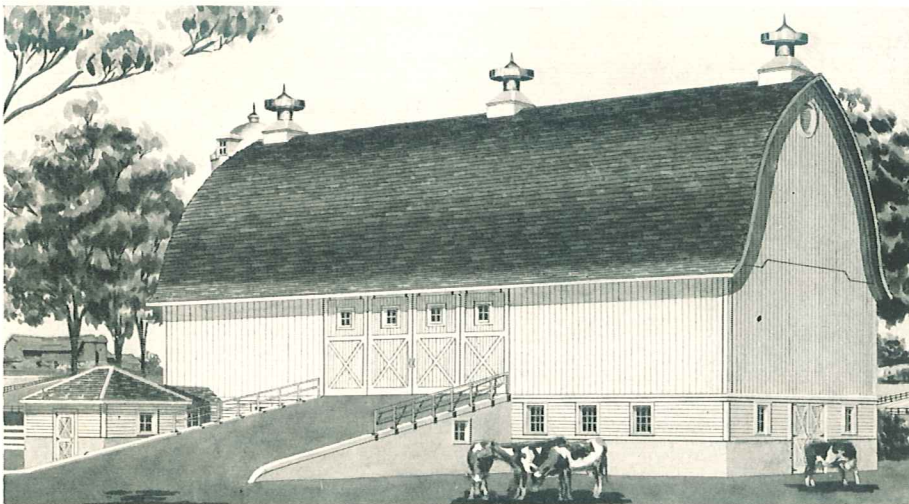


**GENERAL PURPOSE BARN  
 PLAN 1**

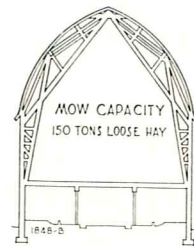
Working drawings are available for either plan 1 or 2 with either exterior design — A or B, making four alternate designs. These designs and floor plans have proven to be entirely successful. Owing to their stability in body and roof construction, they were the only barns in a storm ridden district that withstood the shocks and vibrations without the least displacement. Foundations extend 4 feet above grade. Frame side walls are 18½ feet high. Ceiling of first floor is 8 feet high.



**DAIRY BARN  
 PLAN 2**

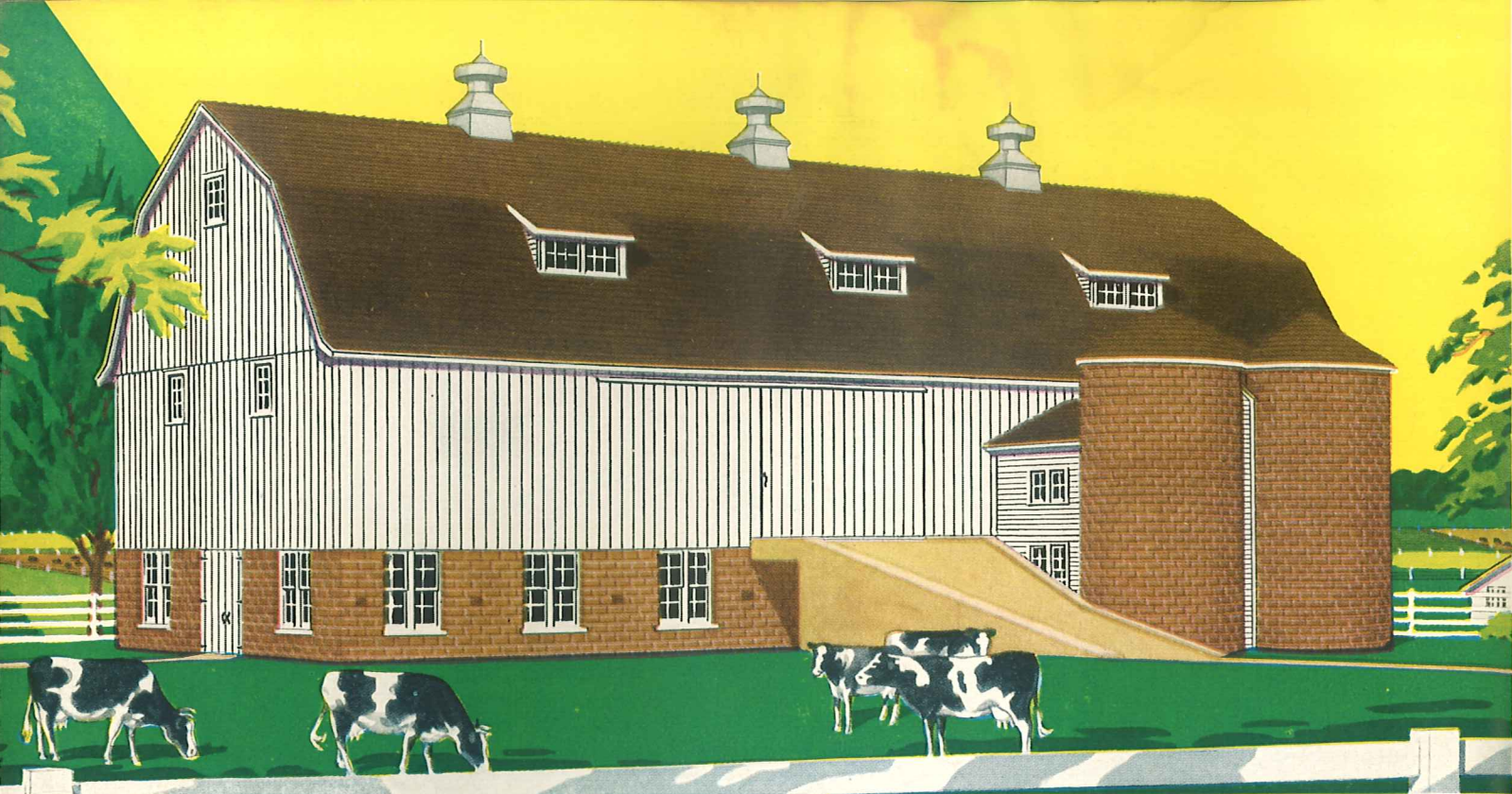


**DESIGN B**



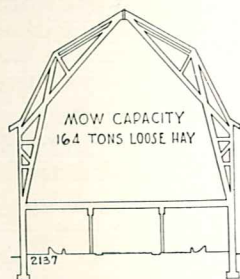
**CROSS SECTION—B**  
**GOthic ROOF**  
**BRACED WITH PLANK**  
**ROOF TRUSSES**

*When ordering plans be sure to specify which floor plan and type of exterior wanted.*

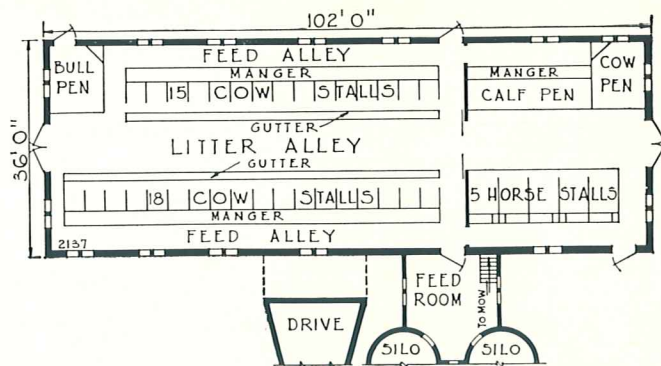


## GENERAL PURPOSE BANK BARN No. 2137

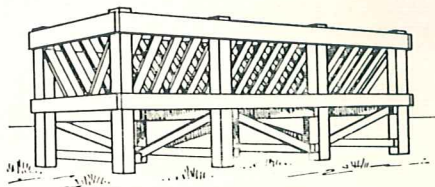
We here illustrate a bank barn with driveway through side of hay mow. This barn should appeal to anyone desiring a convenient, compact and practical barn. The dairy cows are segregated from the other stock.



SECTION  
Gambrel Trussed Roof



Planned to accommodate 33 cows and 5 horses, with cow pen, bull pen and calf pen. Masonry basement walls are 8 feet above grade. Frame side walls are 14 feet high. Basement ceiling is 8 feet high.

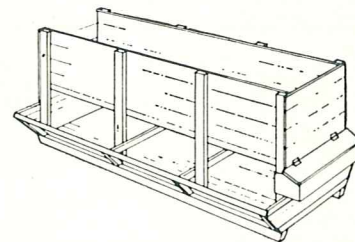
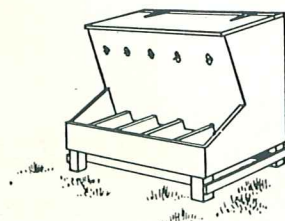


No. 1977

**BUNK FOR CATTLE:** A combination grain and roughage feeder. Size, 12 feet long, 4 feet 4 inches wide and 5 feet 1½ inches high.

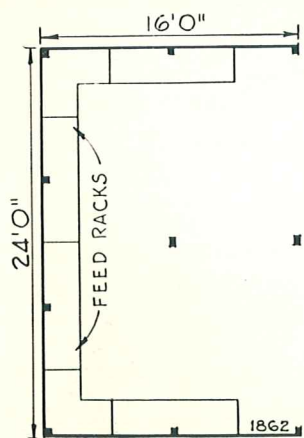
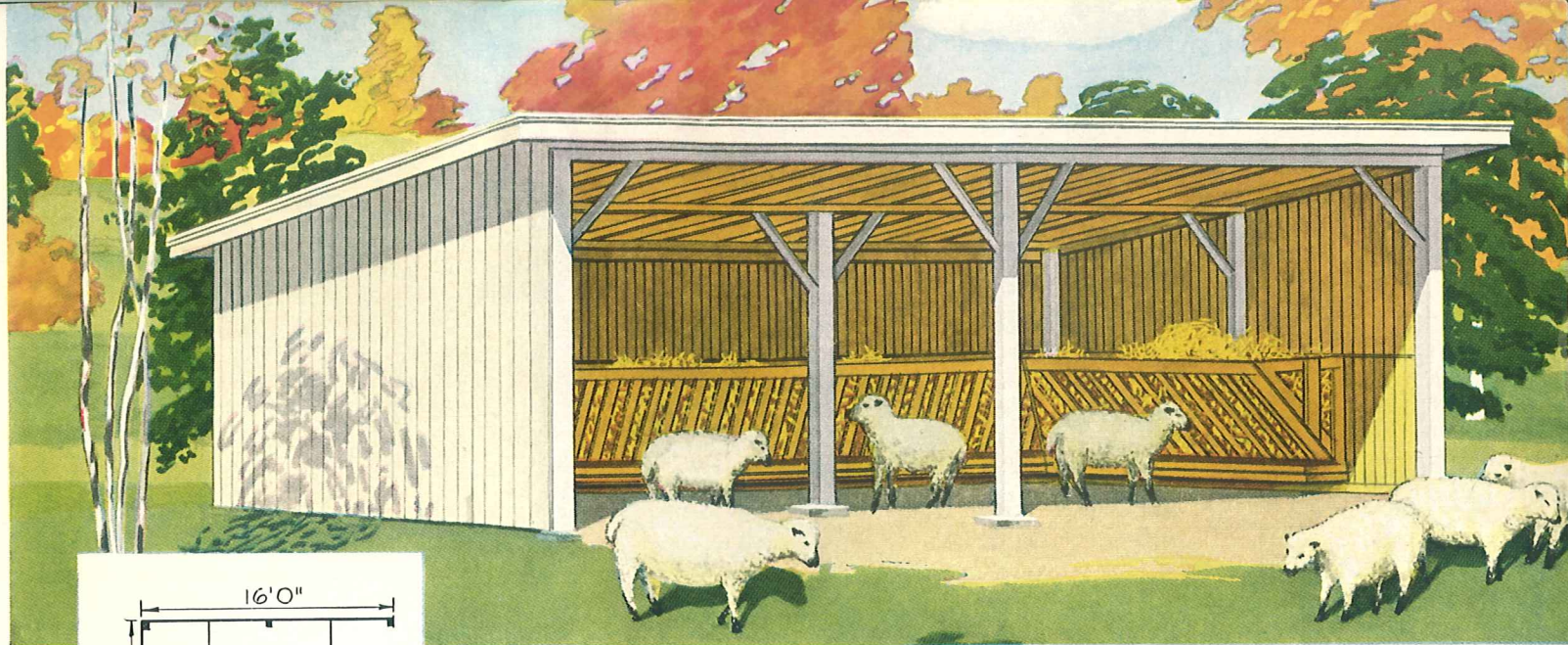
No. 1973

**SELF FEEDER (FOR BEEF CALVES):** Designed with adjusting board which may be set to regulate flowage of feed into trough. Size, 6 feet long, 2 feet 7 inches wide and 5 feet high.

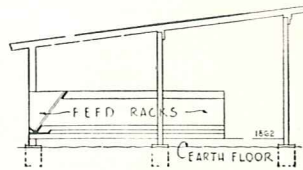


No. 1976

**CATTLE FEEDER (FOR HAY):** Built on runners for easy moving. Capacity, 1½ tons hay. Size, 18 feet long, 6 feet wide and 8 feet high.



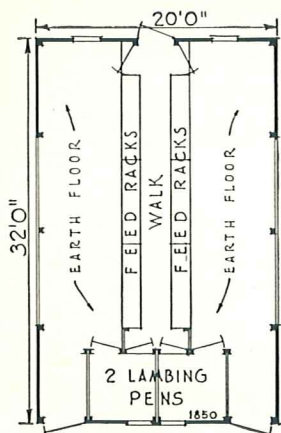
PLAN



SECTION

### SHEEP SHED NO. 1862

This sheep shed fills all the requirements of the average sheep raiser. The open front should face the south and if possible locate next to a larger building to insure additional shelter. This shed will provide shelter and feeding accommodations for a herd of 30 to 35 sheep. This structure can be increased in length to accommodate a larger herd if desired.

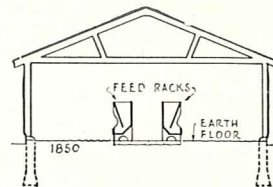


PLAN

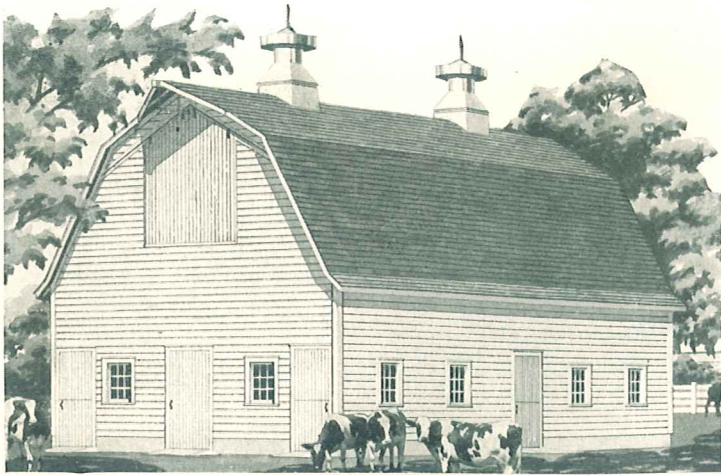
**No. 1967-A**  
**SHEEP FEEDING RACK:**  
 Aids in keeping fleece of sheep free from chaff. Size 2 feet 5 inches wide, 3 feet 4 inches high and 12 feet long.

### SHEEP BARN NO. 1850

A practical shelter, including two feed racks each 21 feet long and two convenient lambing pens located at end of walk.



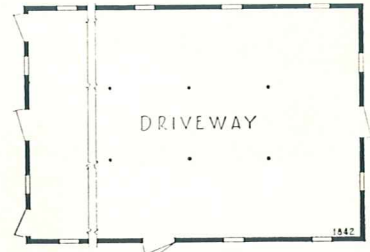
SECTION



**NO. 1842**

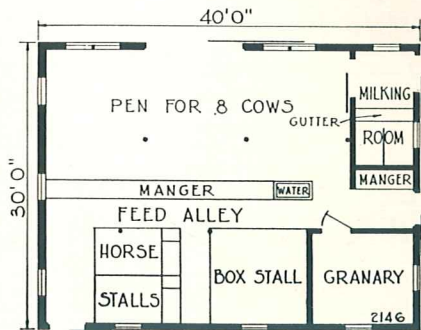
Standard flat-timbered braced rafter barns are always in demand by practical farmers. The open plan of this barn enables you to use any desirable floor arrangement suitable to any equipment. Foundation extends  $1\frac{1}{3}$  feet above grade. Frame side walls are  $12\frac{2}{3}$  feet high. Ceiling of first floor is 8 feet high.

- Plan 1—Size 30'0" x 44'0"  
35 TONS LOOSE HAY
- Plan 2—Size 30'0" x 54'0"  
43 TONS LOOSE HAY
- Plan 3—Size 30'0" x 60'0"  
48 TONS LOOSE HAY



PLAN

A small pen barn with a loafing area for eight cows. A two-stall milking room is included with other facilities. Outside lower walls are of tile construction. Gothic roof is bent rib type.



PLAN

**MOW CAPACITY**  
18 tons loose hay



**NO. 2146**

**SMALL BARNNS**

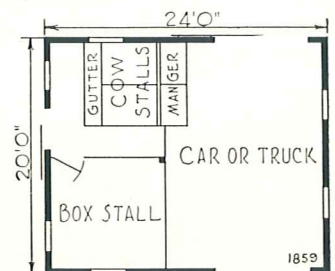


**NO. 1859**

Call at our office for full particulars

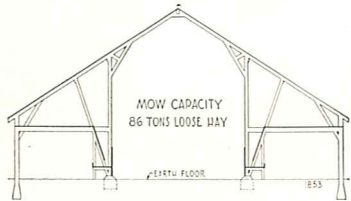
A practical small barn conveniently arranged for two cows, box horse stall and space for car or truck. The mow is unobstructed and the construction economical.

**MOW CAPACITY**  
9 Tons Loose Hay

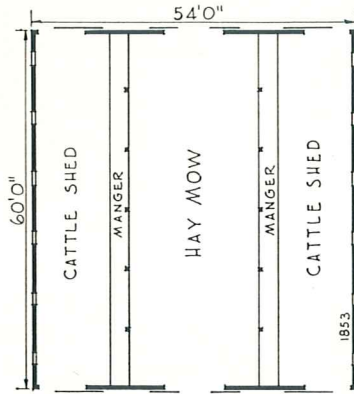


PLAN

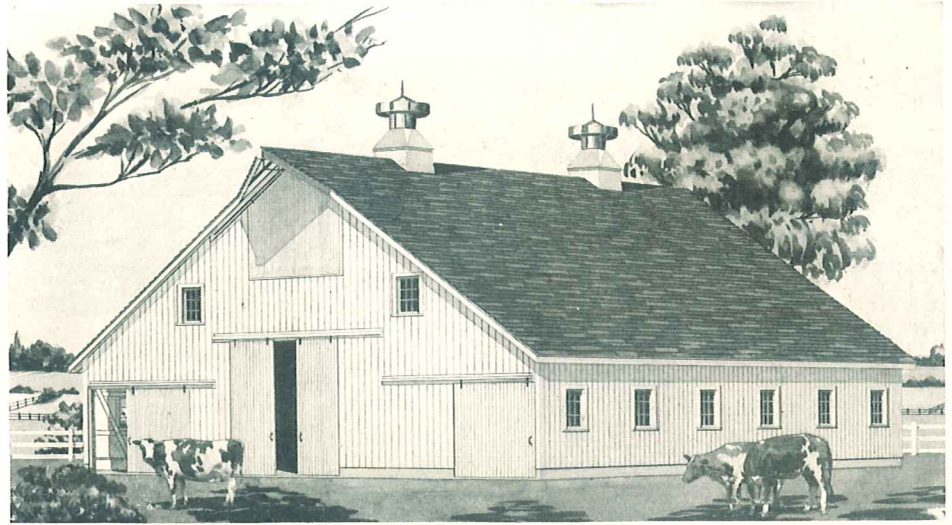
## FEEDING BARN NO. 1853



SECTION



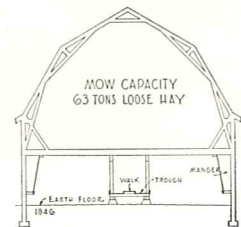
PLAN



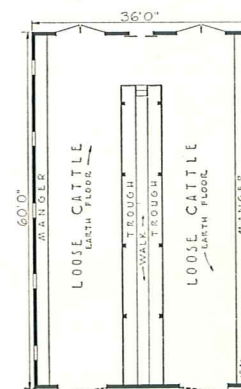
We here illustrate a moderate cost cattle barn, arranged conveniently for feeding direct from the large mow. The substantial yet simple construction will meet the approval of the practical farmer. There is space for the accommodation of 40 or more head of cattle. There is plenty of light as well as ventilation. Two aerators are provided. Foundation extends 1 foot above grade. Frame side walls are 9½ feet high. Cattle shed ceiling is 8 feet high.



## FEEDING BARN NO. 1846



SECTION



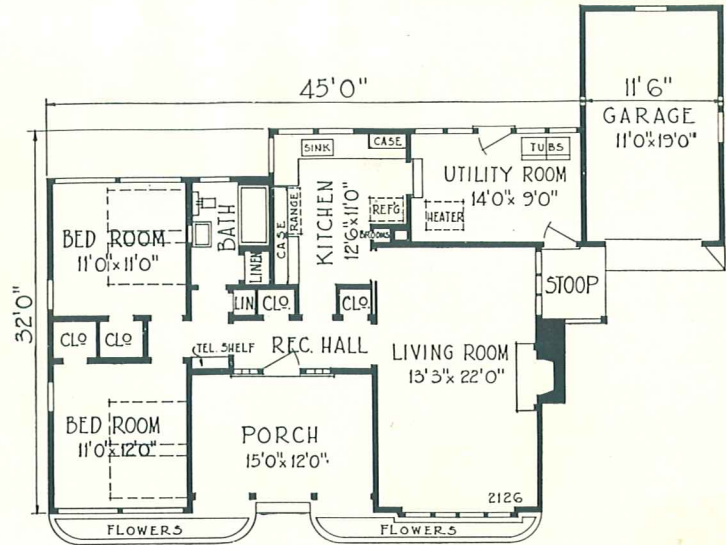
PLAN

Protecting the hay crop, practical economy of feeding direct from hay mow and if desired the convenience of a silo, were all considered when planning this structure. While cattle-feeding barns are not a necessity in the fattening of cattle, yet many feeders prefer to do all their feeding under shelter. Foundation extends 2 feet above grade. Frame side walls are 12½ feet high. Feeding floor ceiling is 8 feet high.

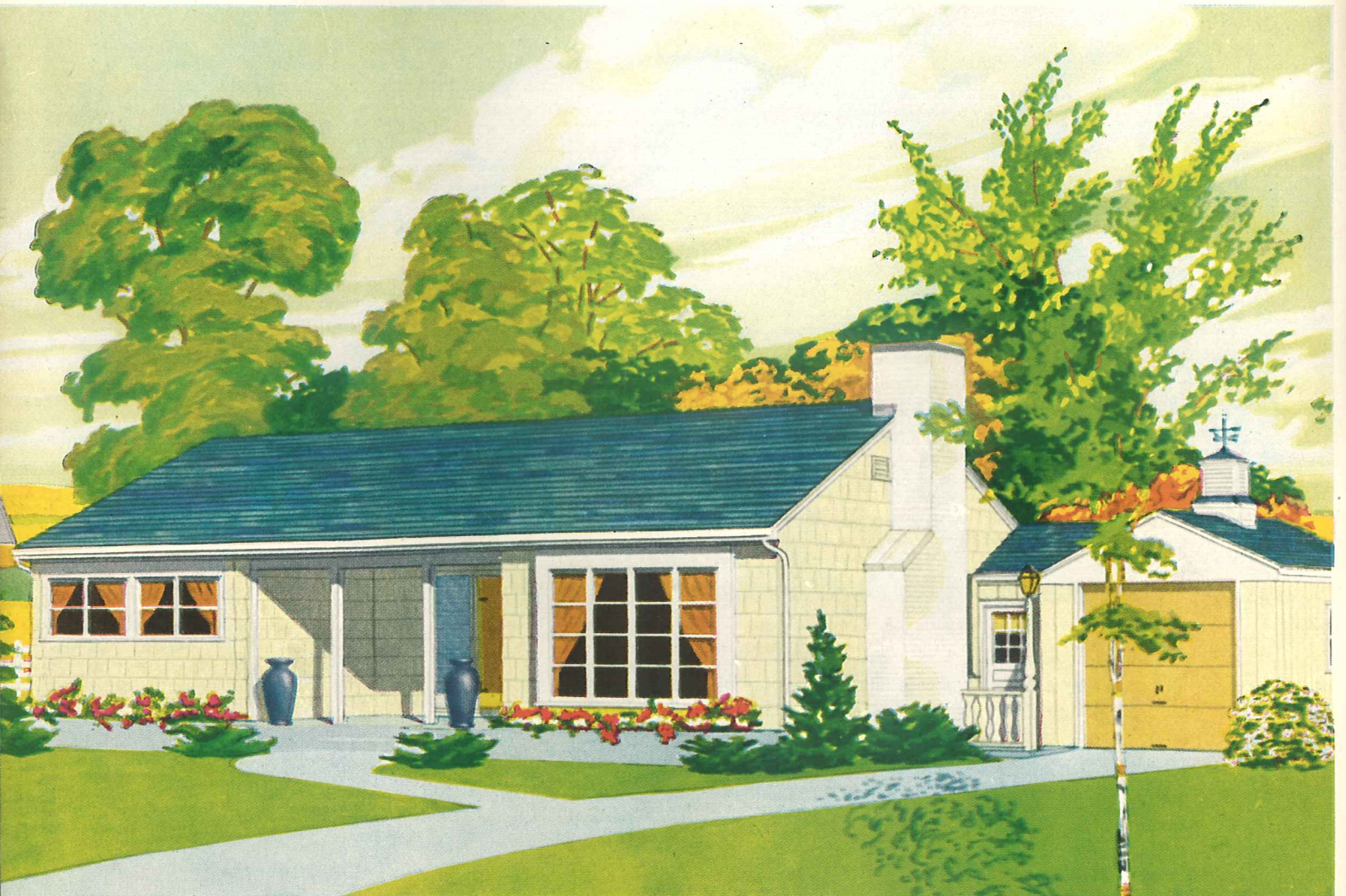
# DESIGN NO. 2126

## 5 ROOMS AND GARAGE

This attractive farm home has the appearance of being considerably wider than it actually is, which is indicated by its surprisingly low cubage. Instead of a basement, a large utility room or workroom is provided, which accommodates heating and laundry facilities, and leaves plenty of space for storage and other uses. There is a large dining space near the three windows which look out over the stoop and the drive leading to the attached garage. The large porch may be screened for summer use and glazed for winter.



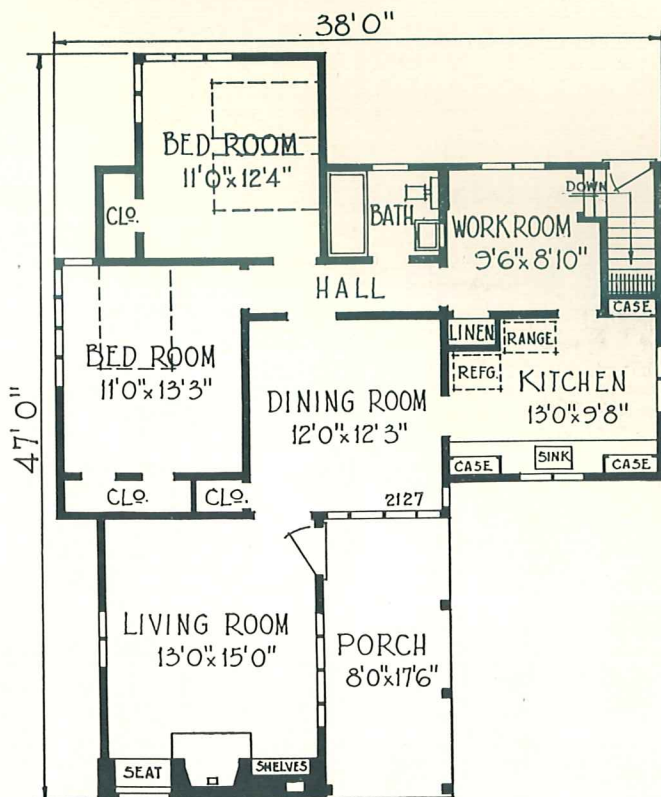
*DATA: House and Porch—16,270 cu. ft., Garage—2,380 cu. ft., Living Area—1,105 sq. ft., Porch Area—172 sq. ft., Garage Area—230 sq. ft., Ceiling height—8 ft.*





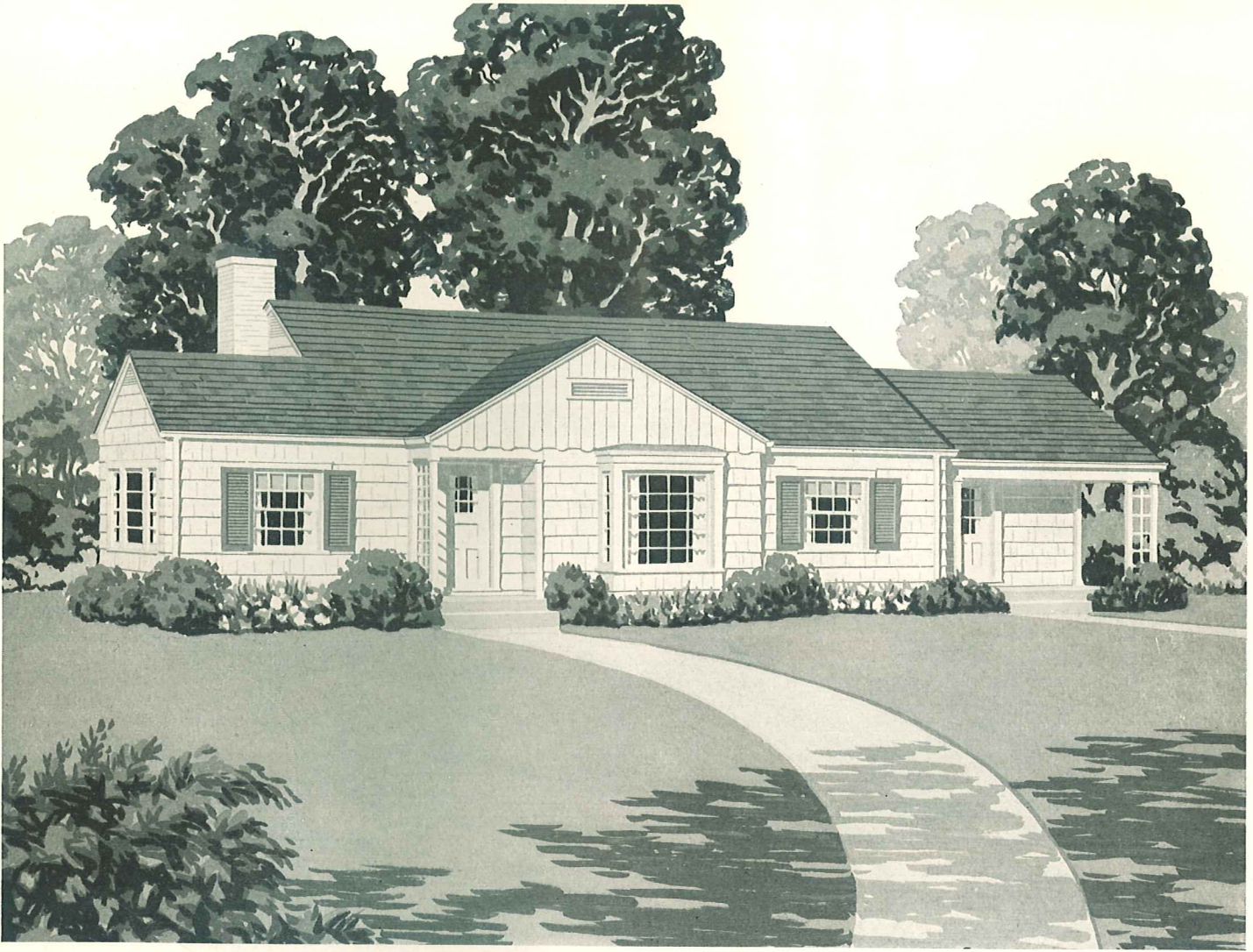
## DESIGN NO. 2127

### 6 ROOMS



This very unusual farm home design employs shingles, which are combined with brick on the front chimney wall. In general, this home may be classified as a Ranch or rambling type, particularly adaptable to a spacious farm setting. The plan provides for a full dining room but for step-saving convenience, there is adequate space in the kitchen for a dinette table and chairs. The workroom is very conveniently located at the stair to the basement and the large inviting porch contributes its share to the attractiveness and livability of this home.

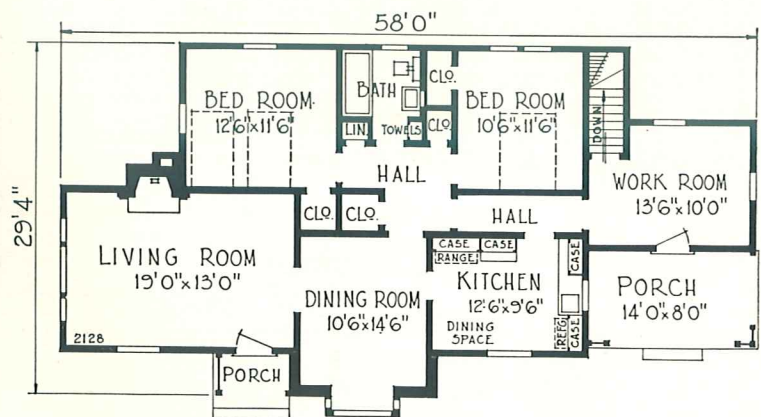
DATA: House and Porch—20,259 cu. ft., Living Area—1,135 sq. ft., Porch Area—172 sq. ft., Ceiling Height—8 ft., Basement Ceiling—7 ft.



## DESIGN NO. 2128

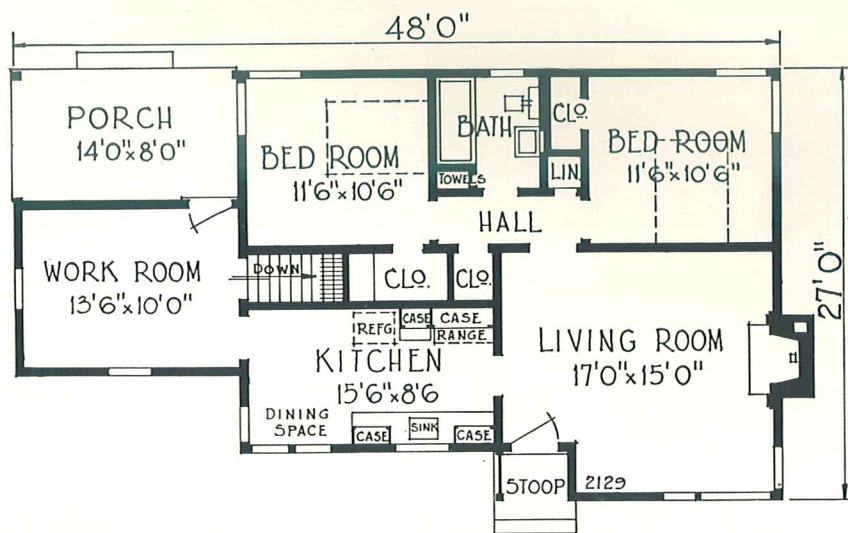
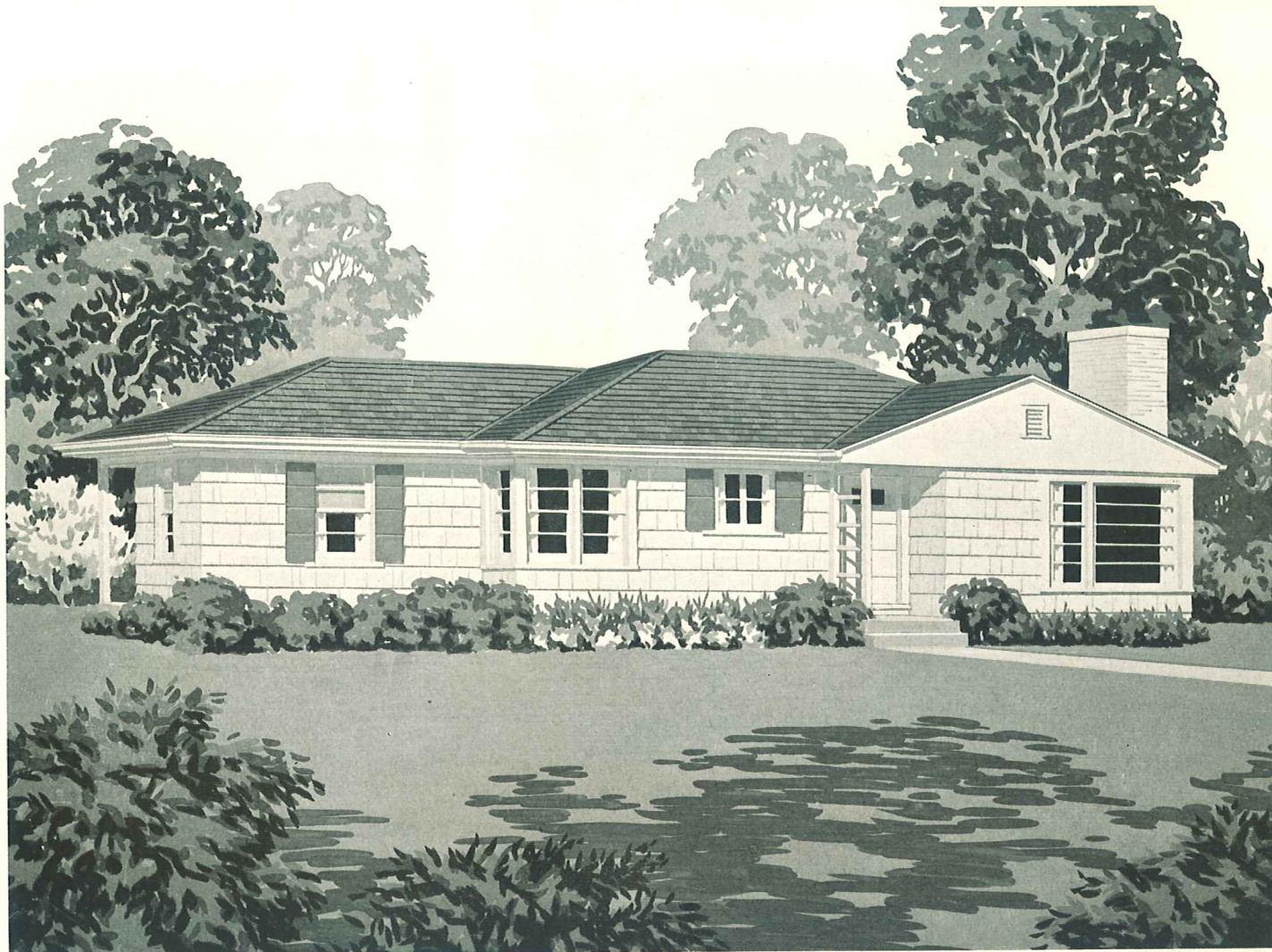
6 ROOMS

A modern spreading home designed with simplified Colonial characteristics. Exterior walls are of wood shingles with vertical siding used in the front gable. The home is planned to answer practical farm needs, with the kitchen, work-room and porch at the right side. The large kitchen includes space for dining even though a full dining room is also provided. The large living room has a natural fireplace and one of the bedrooms is of ample size for twin beds.



DATA: Living Area—1,246 sq. ft., Porch Area—135 sq. ft., House and Porch—24,450 cu. ft. Ceiling Height—8 ft., Basement Ceiling—7 ft.





DATA: Living Area—1,010 sq. ft., Porch Area—112 sq. ft., House and Porches—19,430 cu. ft. Ceiling Height—8 ft., Basement Ceiling—7 ft.

## DESIGN NO. 2129

### 5 ROOMS

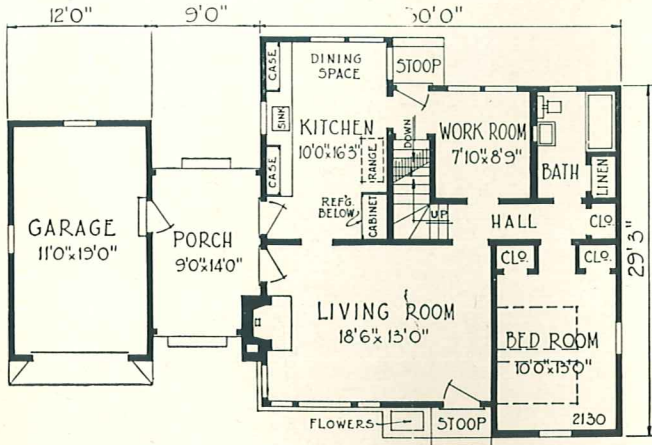
An attractive, and really modern home with hip roof and wide projecting eaves. The exterior walls are of wood shingles. Corner windows are a feature of this home and all rooms have an abundance of light and ventilation. The large work room can be planned for use to suit individual requirements. Large dining space is provided in a corner of the kitchen. The large living room with a natural fireplace, and a basement under the entire house, completes this practical plan.

# DESIGN NO. 2130

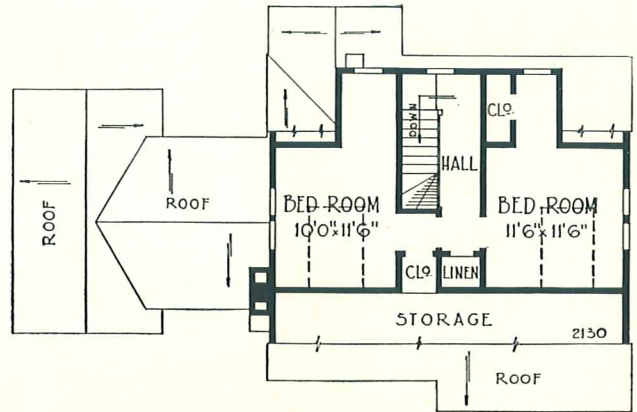
## 6 ROOMS AND GARAGE

*DATA: House—20,887 cu. ft., Porch and Garage—3,255 cu. ft., Living Area—1,365 sq. ft., Porch Area—136 sq. ft., Garage Area—240 sq. ft., 1st Floor Ceiling—8 ft., 2nd Floor Ceiling—7 ft., 6 in., Basement Ceiling—7 ft.*

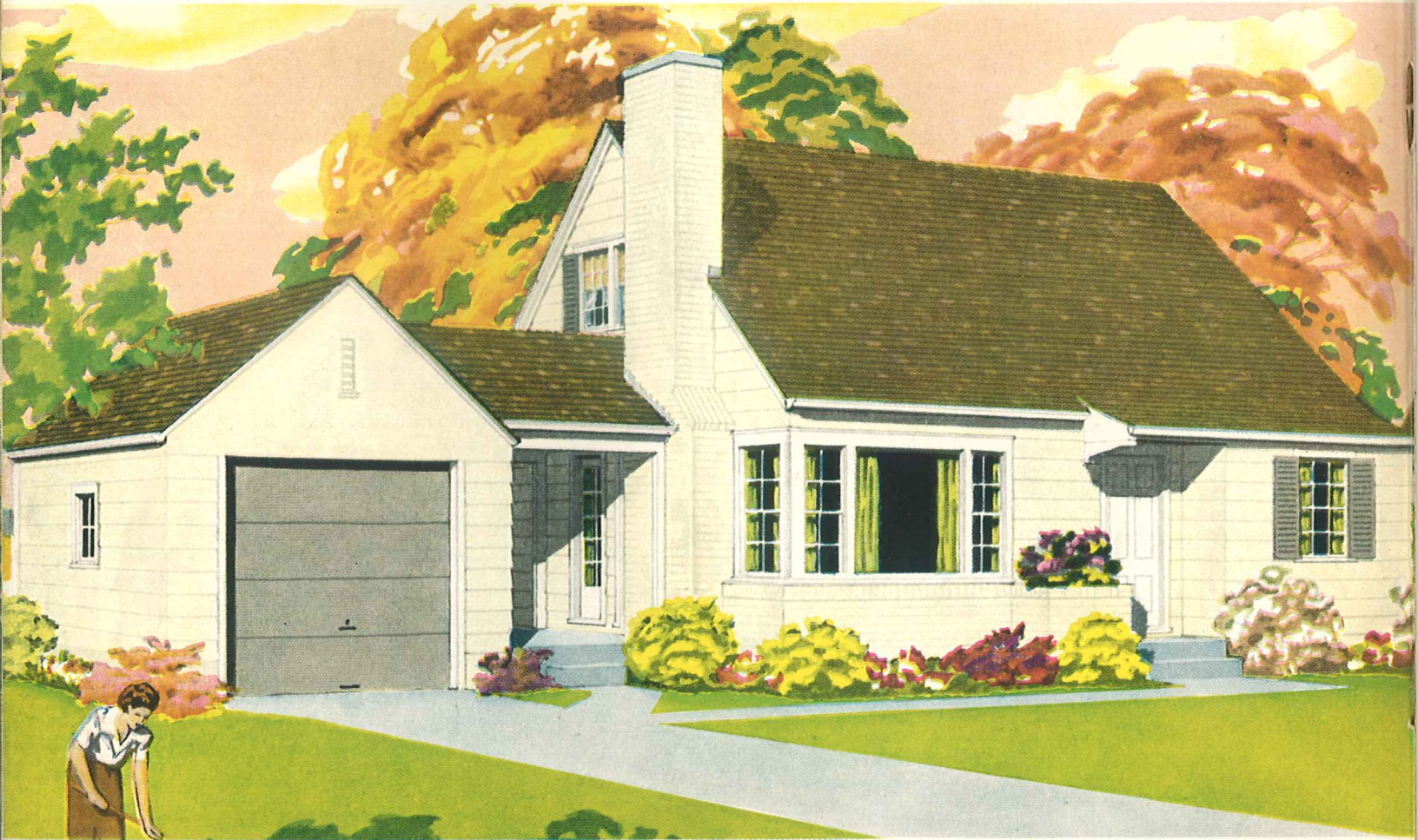
When one considers all of the conveniences this floor plan has to offer, it seems unbelievable that the overall size of the home is comparatively small. Special features for your consideration are the large first-floor bedroom, the convenience of the bath with built-in linen closet, the workroom, and the large kitchen with its roomy dining space. The design of the exterior carries out the beauty and practical livability of this pleasant farm home.

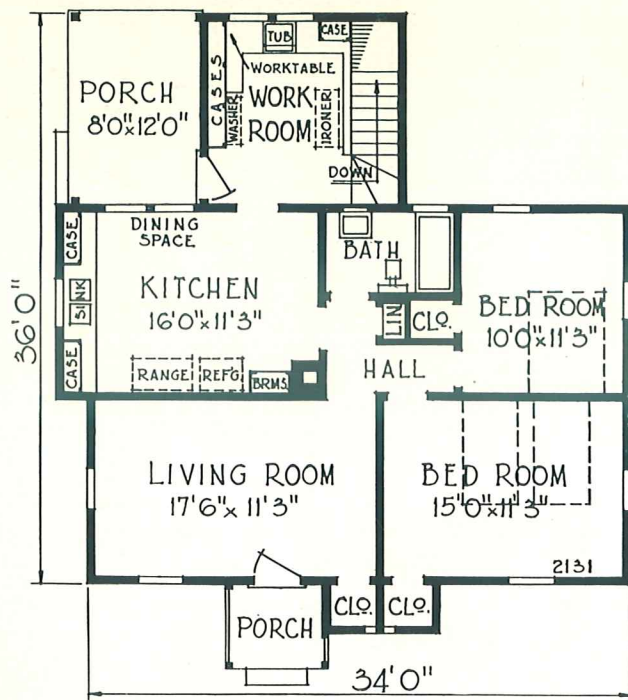
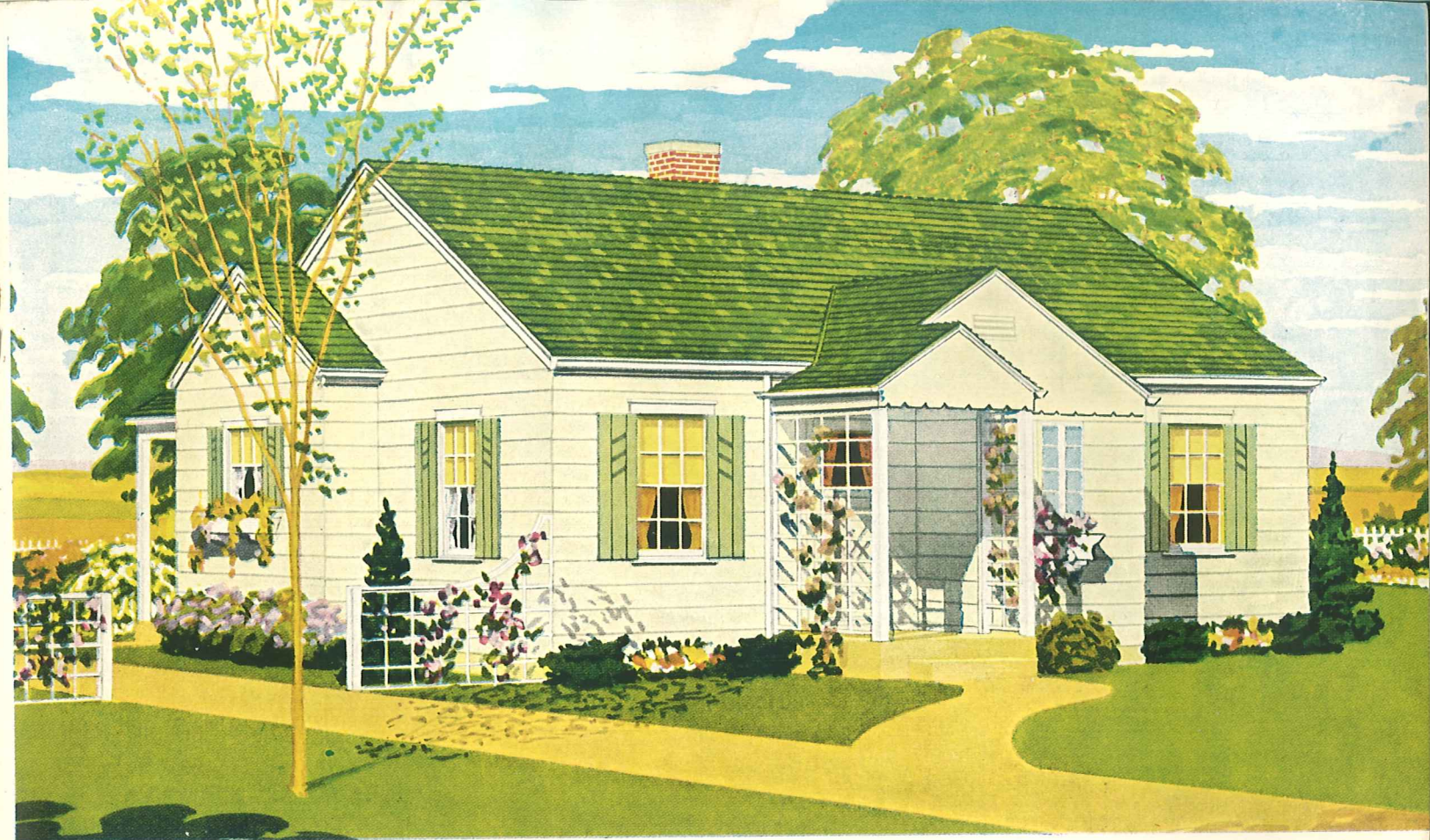


FIRST FLOOR



SECOND FLOOR



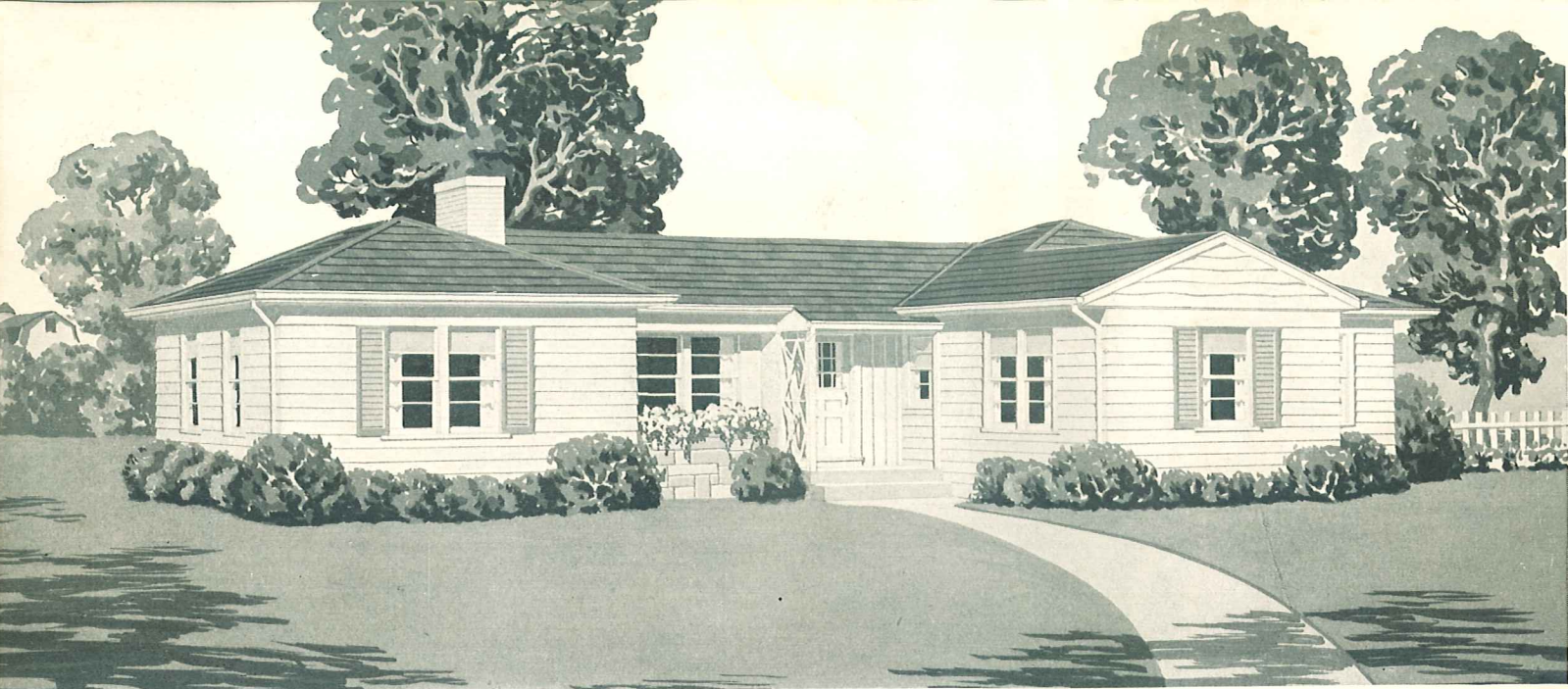


## DESIGN NO. 2131

5 ROOMS

One of the most important features in a farm home design is the adequacy and convenience of the workroom. Note the efficient arrangement of this one for home laundry work, canning, and food preparation for storage. This is in addition to a basement under the entire structure. Although this home could not be considered large, one of the bedrooms provides for twin beds and the kitchen is large and efficiently arranged to provide ample dining space overlooking the porch. The Colonial exterior blends well with any farm building group. For owner or tenant use, this is a complete farm home in every respect.

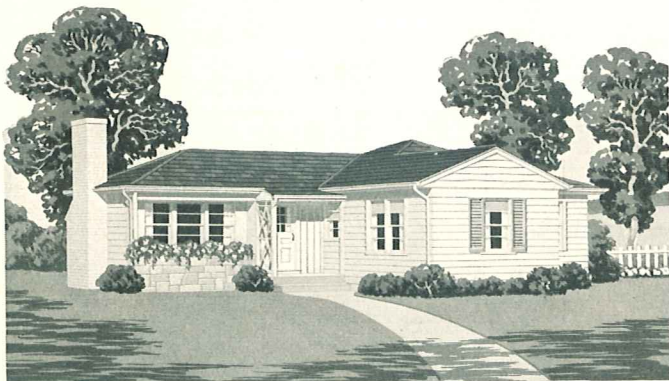
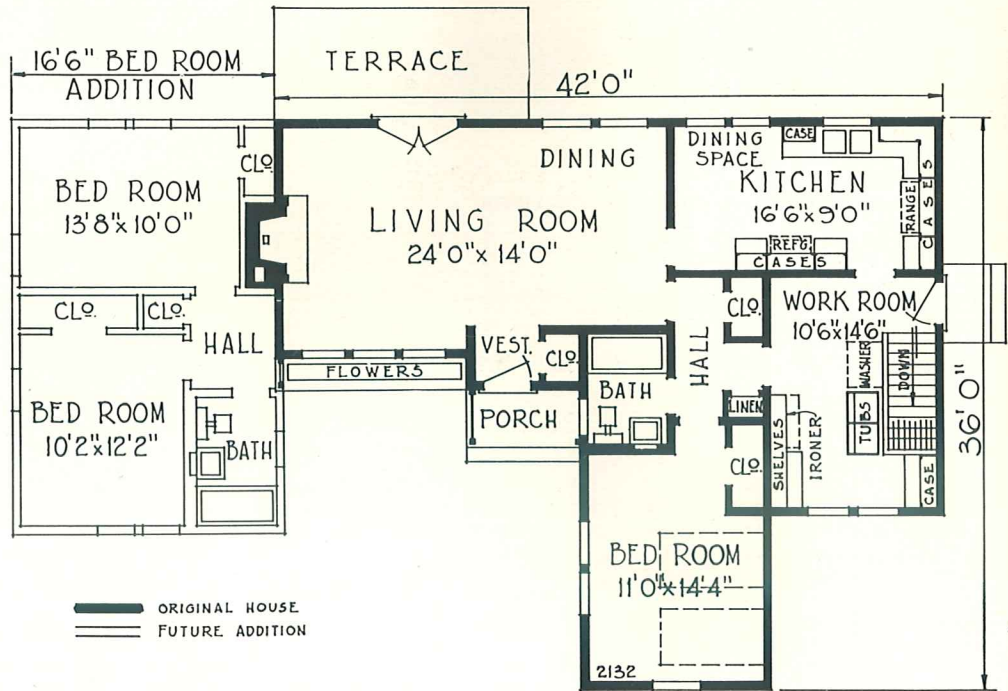
*DATA: House and Porches—20,028 cu. ft., Living Area—1,018 sq. ft., Porch Area—119 sq. ft. Ceiling Height—8 ft., Basement Height—7 ft.*



# A Farm Home That Can Grow

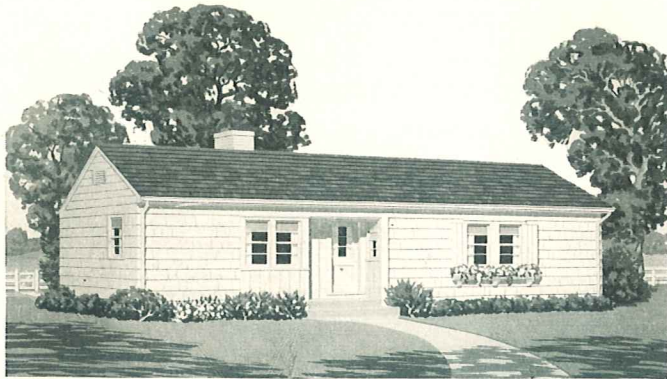
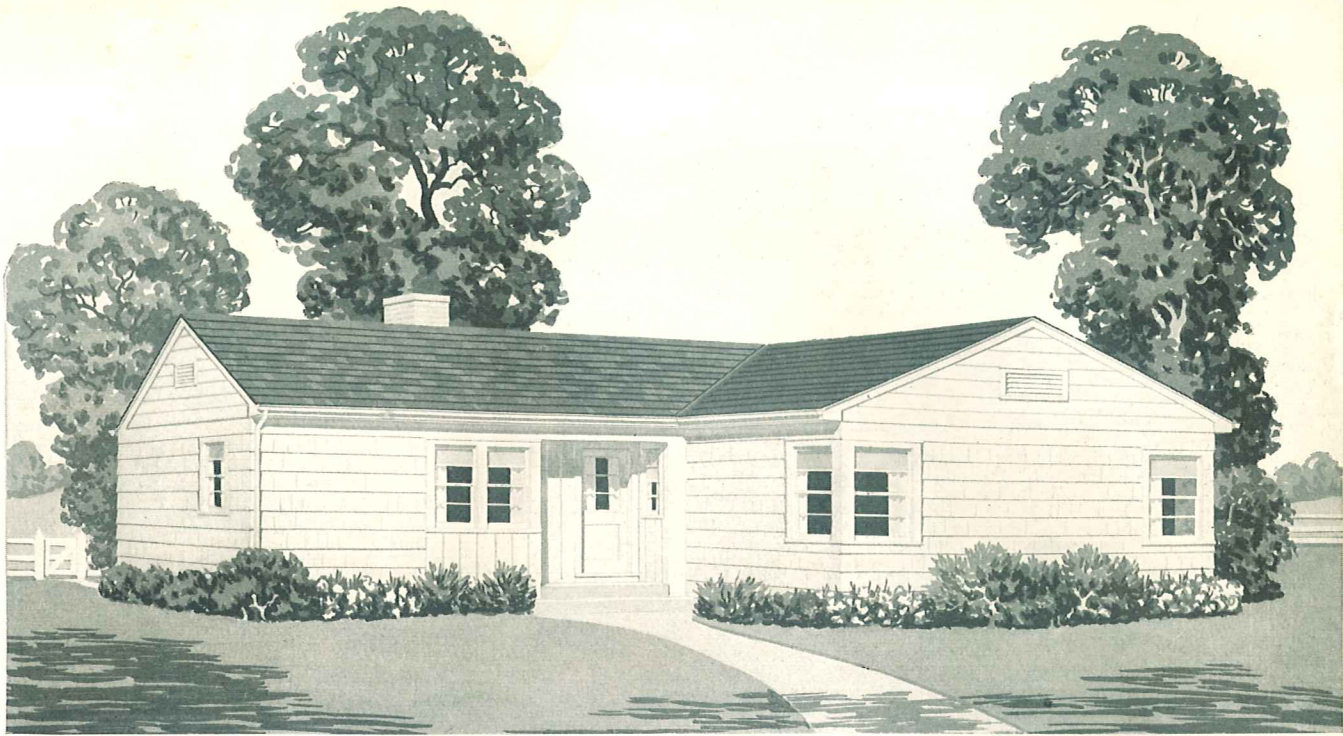
DESIGN NO. 2132

DATA: Living Area—979 sq. ft.,  
 Porch Area—25 sq. ft., House and  
 Porch—18,220 cu. ft., area of added  
 two bedrooms—435 sq. ft., 5220  
 cu. ft. Ceiling Height—8 ft., Height  
 of Basement—7 ft.



4 ROOMS  
 (ORIGINAL HOME)

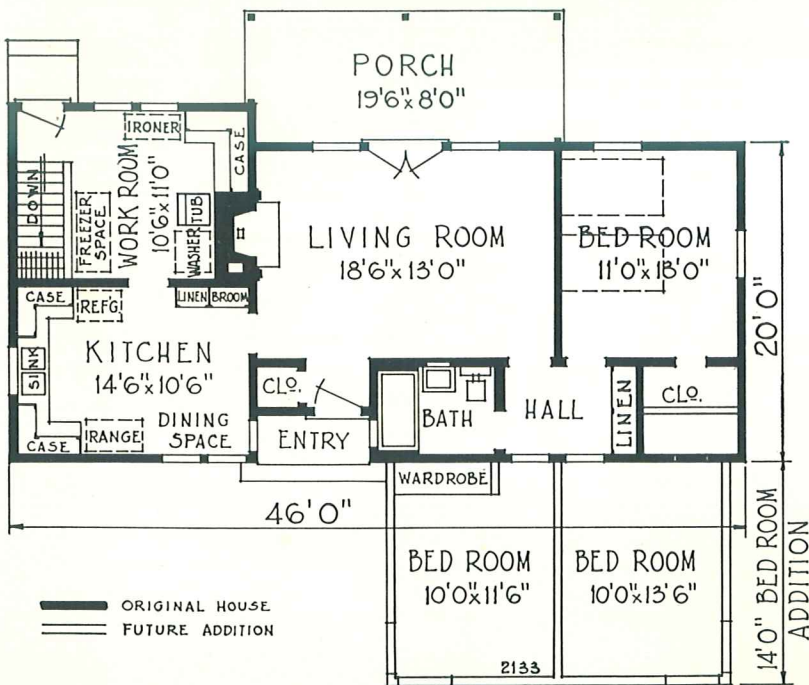
A spreading ranch type home which enables you to build to your minimum requirements now and later add on additional rooms. When the home is originally planned to anticipate future needs, construction done later is more simple and less costly. All the necessities for the average small farm family are shown in the original home. The work room is conveniently located with respect to the kitchen and the bath for "wash-up," and dining area is provided in the kitchen, and also in the living room if wanted.



## An Expansible Farm Home

### DESIGN NO. 2133

4 ROOMS  
(ORIGINAL HOME)

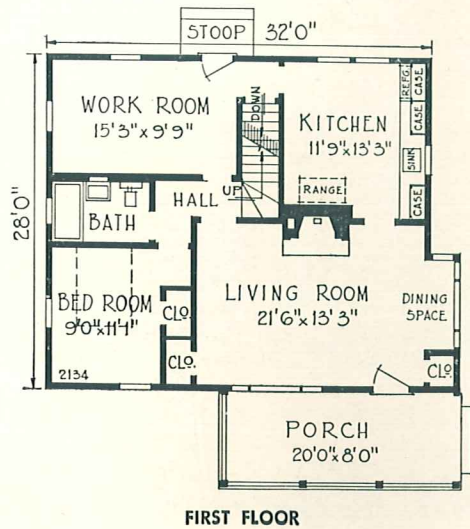


This small farm home is so designed that a complete four room unit can be erected first and two large bedrooms added later, as required. The rooms in the original home are large, well lighted and ventilated, the porch is included in the original home. Note the ample work room space with laundry facilities on the first floor and the large kitchen with provision for dining in one corner. The living room has a natural fireplace and French doors for access to the porch. Plenty of closet space completes this charming home.

DATA: Living area of original house 937 sq. ft., porch and entry area 177 sq. ft. House and Porch—18,250 cu. ft., area of added two bedrooms—301 sq. ft., 4060 cu. ft. Ceiling Height—8 ft., Height of Basement—7 ft.

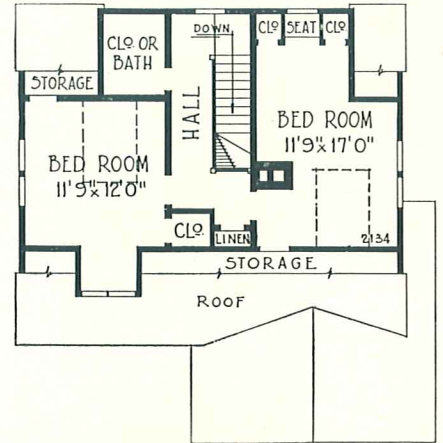
**DESIGN**  
**No. 2134**  
**6 ROOMS**

This compact farm home is built upon simple lines that are charming in their grace and beauty. It has a downstairs bedroom as well as two upstairs and provision is also made for a present or future second floor bath. The large workroom is very conveniently located off of the back stoop, just opposite the kitchen, and adjacent to the stair to the second floor. All of the rooms have cross ventilation and the large living room has a natural fireplace, as well as a dining space that provides the utmost in ventilation and view. More than adequate storage space is provided, placed for utmost convenience.

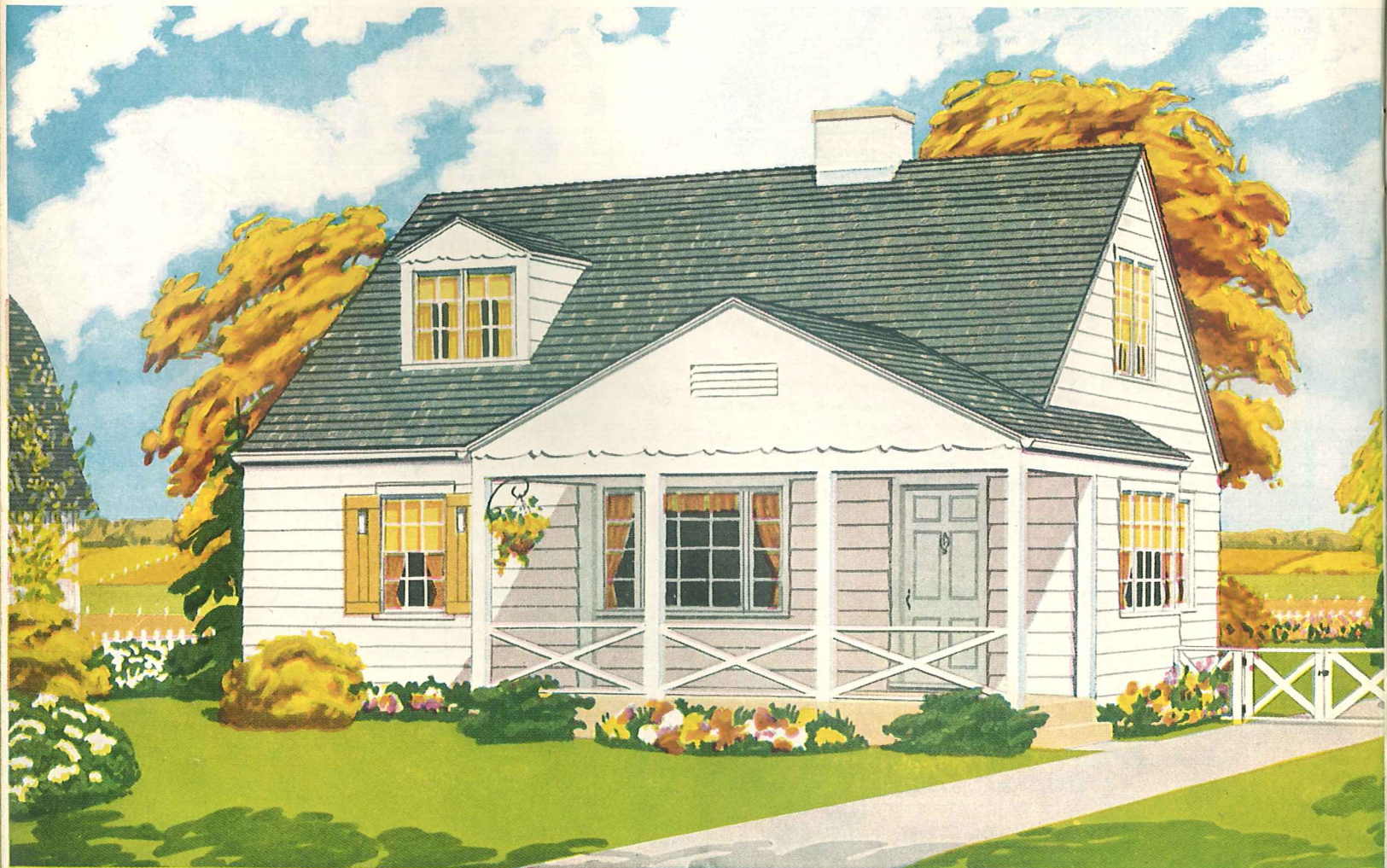


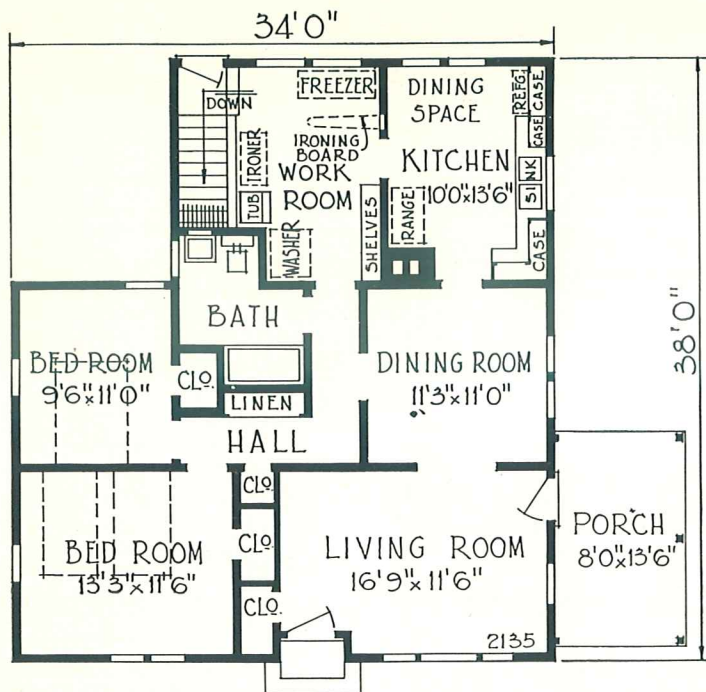
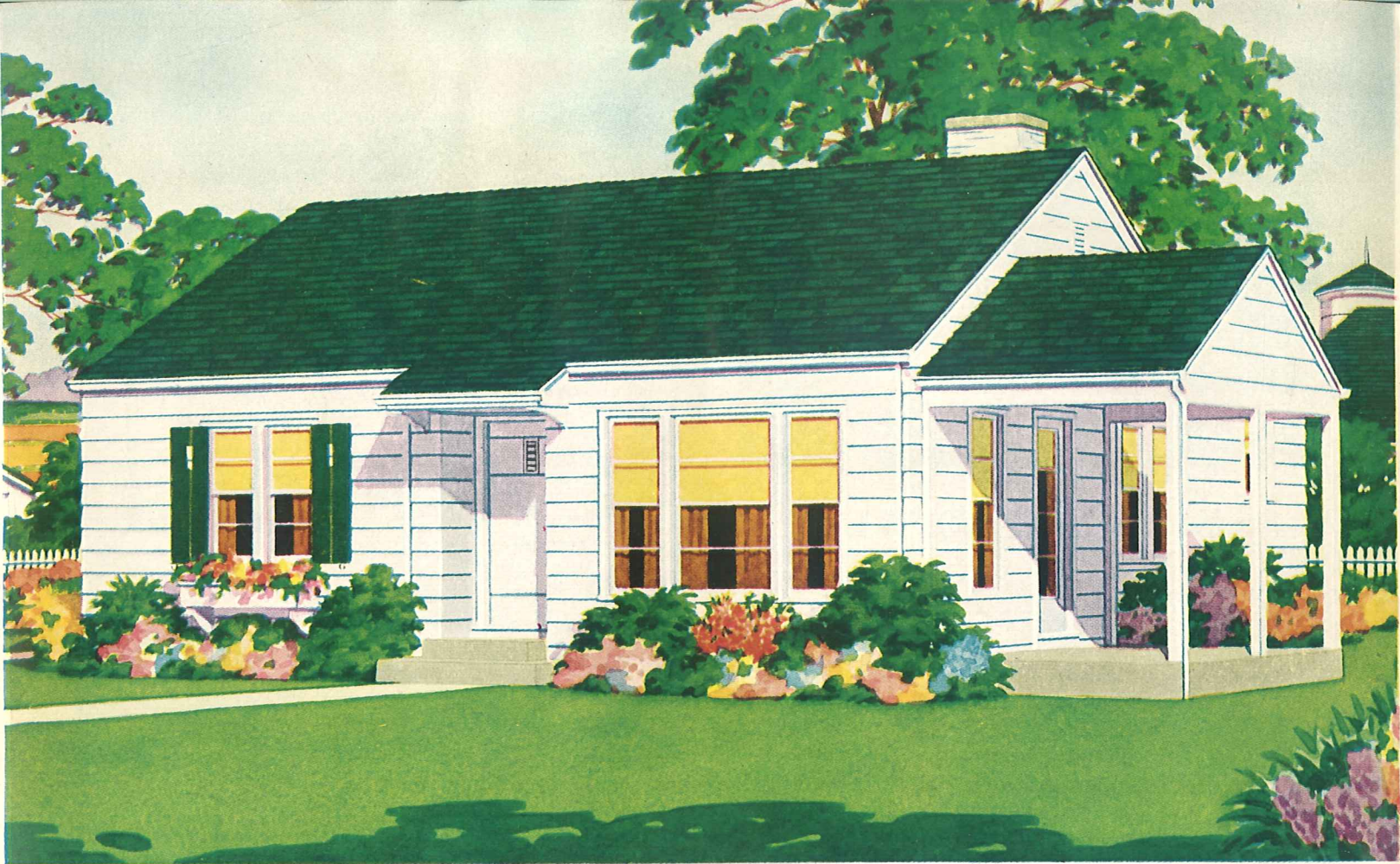
FIRST FLOOR

*DATA: House and Porch—*  
*23,620 cu. ft., Living Area—*  
*1,522 sq. ft., Porch Area—*  
*160 sq. ft., 1st Floor Ceiling—*  
*—8 ft., 2nd Floor Ceiling—*  
*8 ft., Basement Ceiling—7 ft.*



SECOND FLOOR



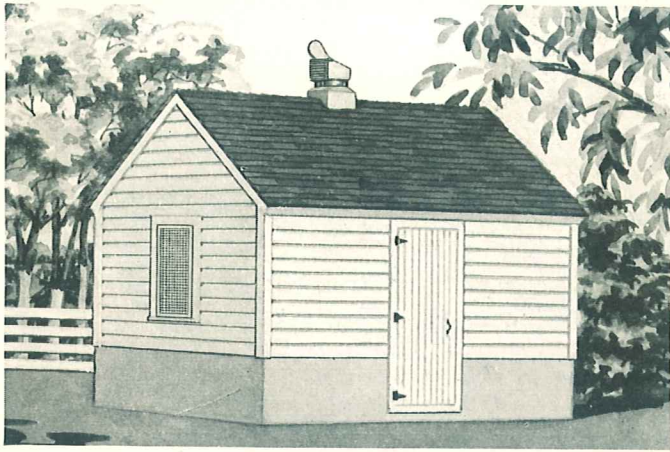


## DESIGN NO. 2135

6 ROOMS

This modern, efficiently planned six-room farm home should prove to be ideal for the small family. The arrangement of the workroom and the kitchen indicate the thoughtfulness and appreciation of the needs of farm living that are apparent throughout the entire plan. In addition, there is a full-sized cellar, with room for heating equipment, vegetable storage, and the many other uses that will be found for it. The large porch at the right side may be screened and serve as a comfortable retreat during summer weather.

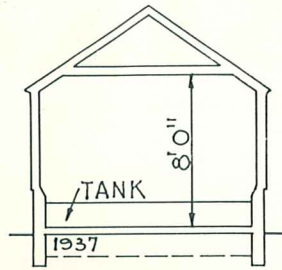
DATA: House—21,890 cu. ft., Porch—486 cu. ft., Living Area—1,152 sq. ft., Porch Area—108 sq. ft. Ceiling Height—8 ft., Basement Ceiling—7 ft.



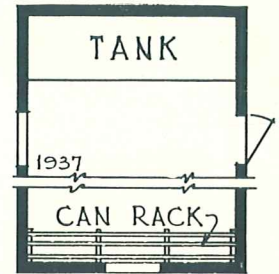
**MILK HOUSE NO. 1937**

Designed to meet the requirements of public health ordinances which require milk to be cared for in a building separate from the milking barn.

PLAN 1, SIZE 12'0" x 10'0". PLAN 3, SIZE 12'0" x 14'0"  
PLAN 2, SIZE 12'0" x 12'0". PLAN 4, SIZE 12'0" x 16'0"



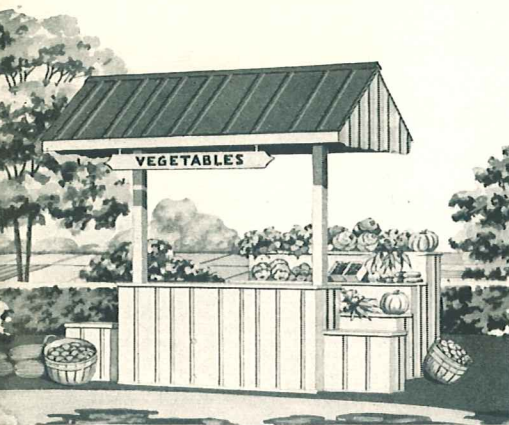
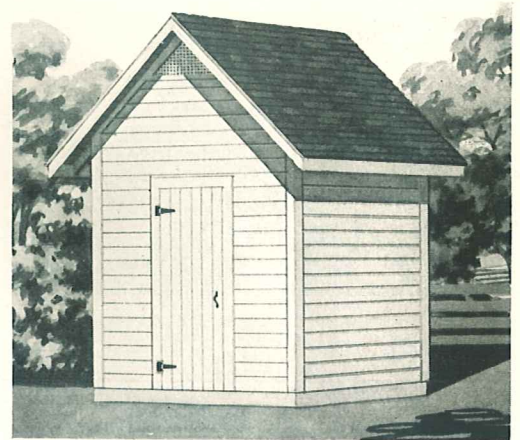
SECTION



PLAN

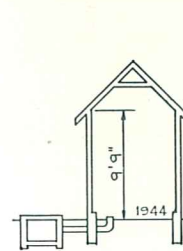
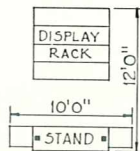
**SMOKE HOUSE  
No. 1944** →

Suitable for the farmer who appreciates home cured meats. Walls are covered with drop siding and lined with  $\frac{5}{8}$  ceiling. Fire box is built outside with a tile smoke flue leading up to and through smoke house floor. In this construction there is little danger of fire. The fire box is concrete and is fed through the top.

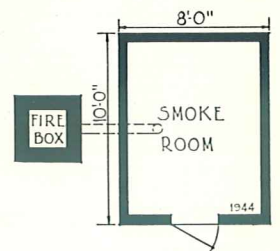


*A pleasing little stand combined with a practical display rack—low in cost and easy to build.*

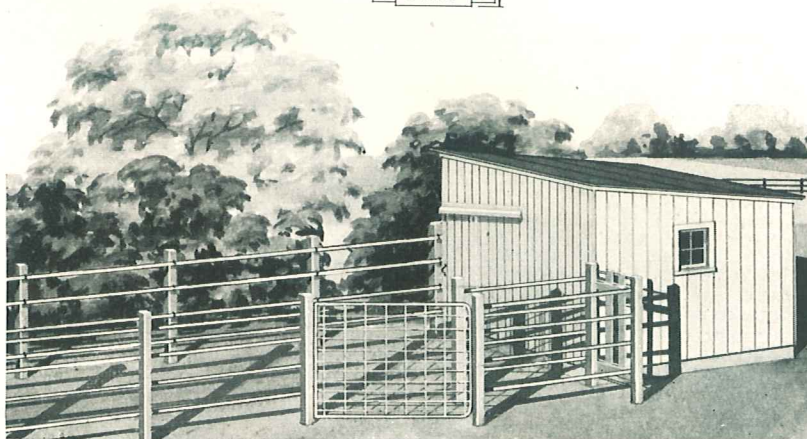
← **ROADSIDE  
STAND  
No. 1887**



SECTION

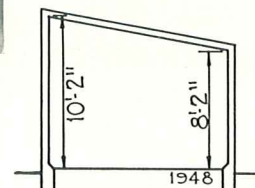


PLAN

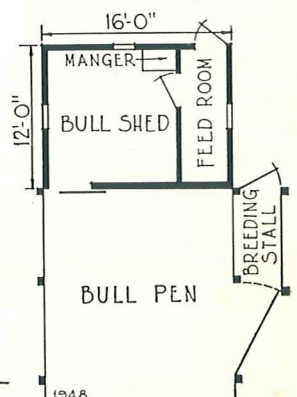


There is always an opportunity to build a bull pen. With this arrangement the bull may be stabled, watered and bedded without undue risk to the attendant. An exercising yard and breeding pen are incorporated in the plan in a practical manner.

← **BULL  
SHED  
No. 1948**

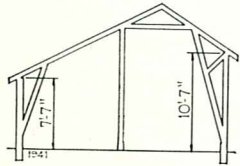
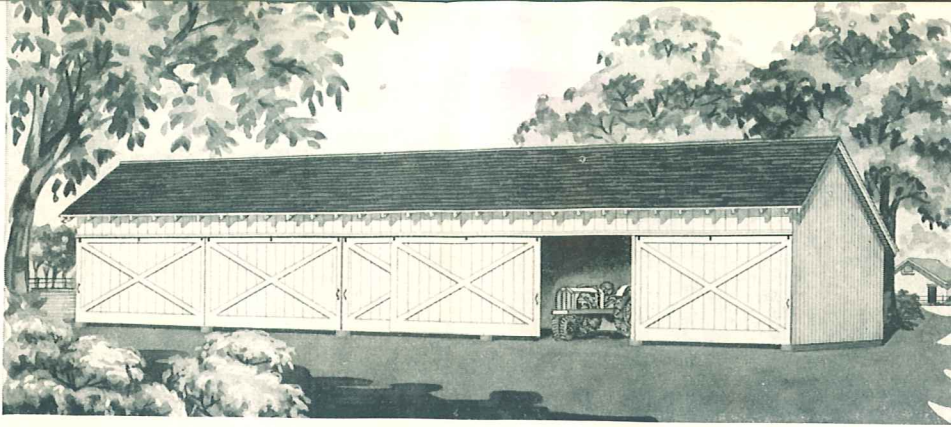


SECTION

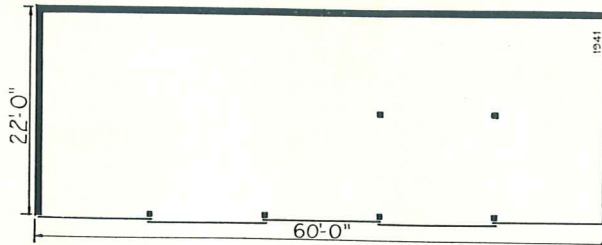


PLAN

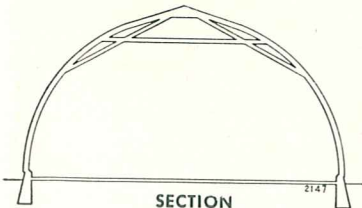
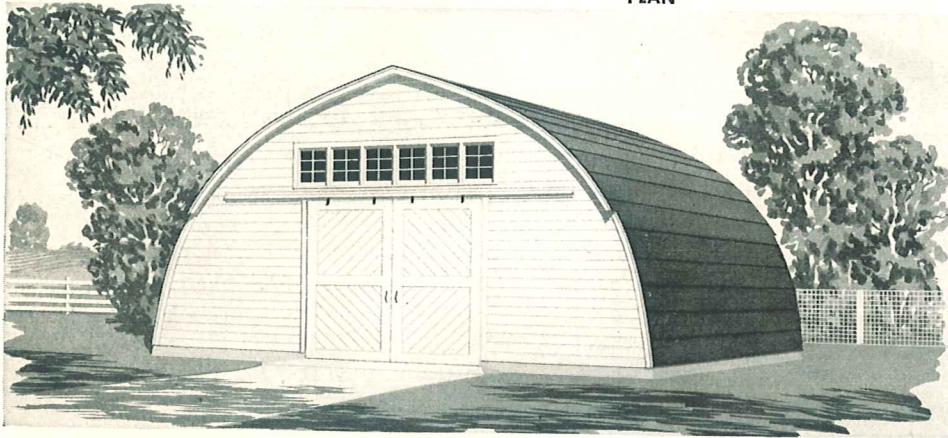




SECTION



PLAN



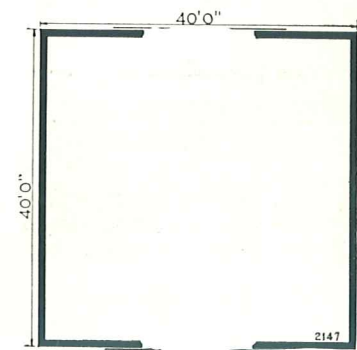
SECTION

This Gothic roof implement shed employs bent rib rafters, built up of six pieces of 1 x 3, a method which permits a large area for machine storage, unobstructed by center posts. Corrugated iron may be used instead of prepared roofing, if desired.

← NO. 1941

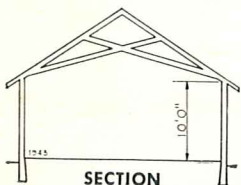
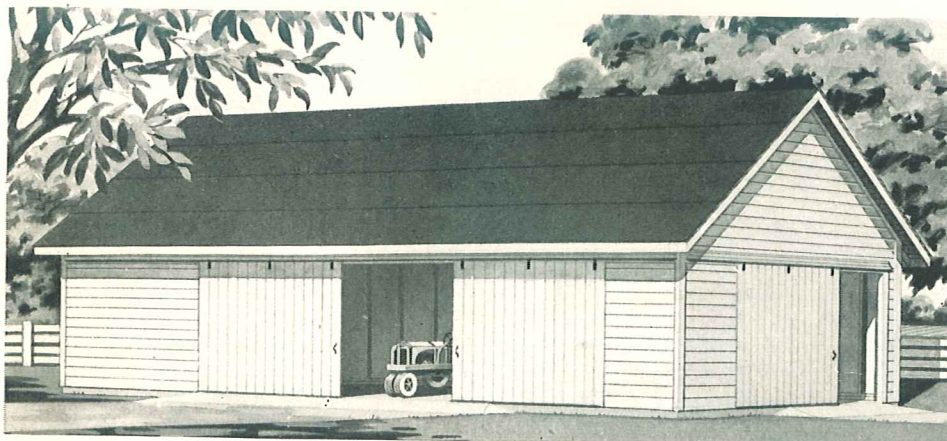
Inquiries into the use of farm implements reveal that in many cases they rust out before they wear out. Therefore, the money spent to protect and prolong the life of your machinery is little in comparison to its replacement cost. A few dollars worth of lumber will build the sturdy structures illustrated here and will prove a profitable investment.

← NO. 2147

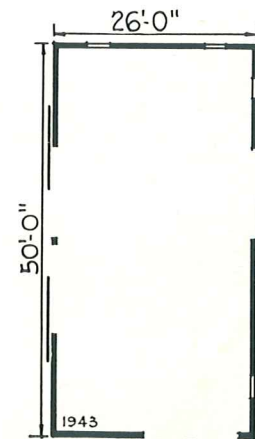


PLAN

← NO. 1943

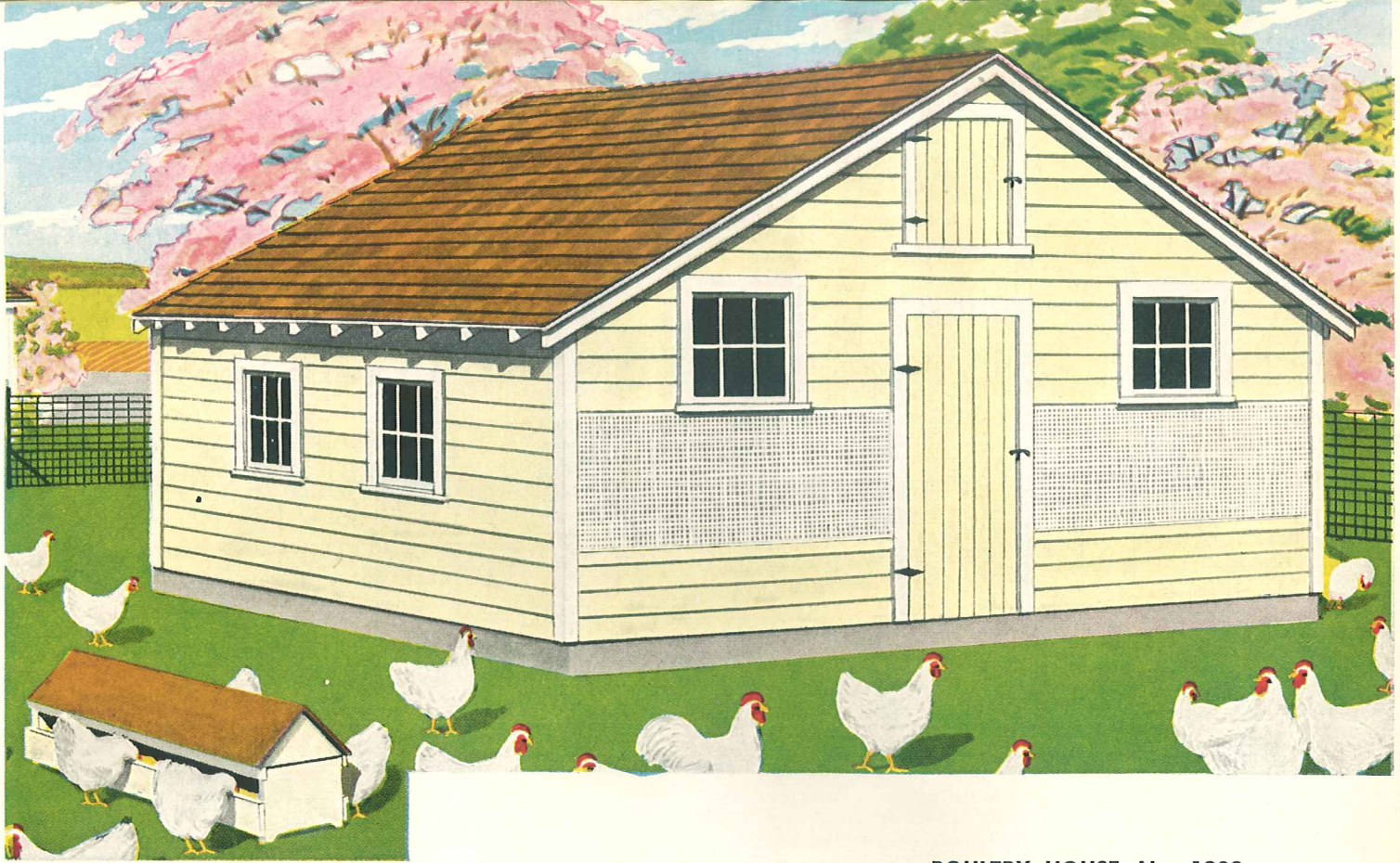


SECTION



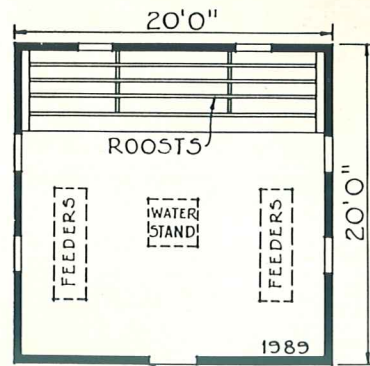
PLAN

This handy shed has four large doors, each 12 feet wide and 9 feet high. The roof is trussed to permit a clear, open, unobstructed floor area.

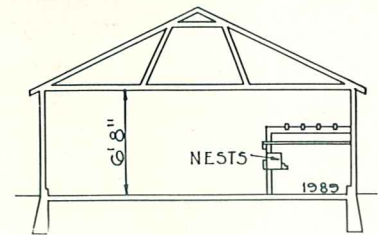


**POULTRY HOUSE—No. 1989**

This house provides a straw loft for insulation and to aid in the control of humidity. Ventilation is provided by the open front which also permits direct sunshine.



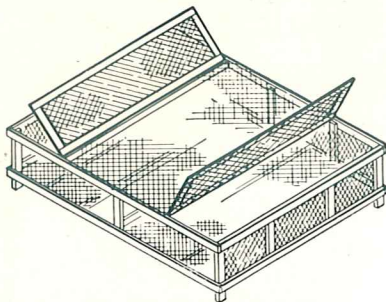
**PLAN**  
Capacity—100 to 125 Hens



**SECTION**

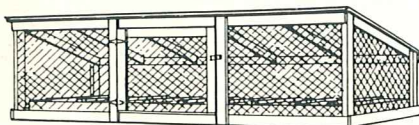
**POULTRY MASH FEEDER  
No. 1920**

Equipped with removable cover for use either inside or out-of-doors. For poultry ranging in age from 6 weeks to maturity. Size 4 feet long, 1 foot wide and 1 foot 5 inches high.



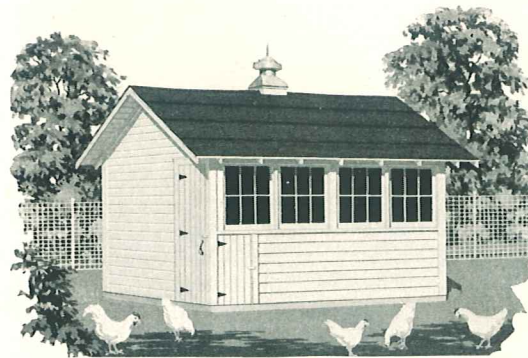
**No. 2010**

**SANITARY RUNWAY:** Poultry raisers realize that good runways and clean ground are required for healthy chicks. The bottom is covered with 1/2 inch hardware cloth, top and three sides with 1 inch poultry netting. Size 12 feet by 10 feet by 3 feet 5 inches high.



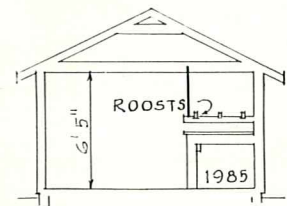
**No. 2003**

**SHED ROOF SHELTER:** Simple and low in cost. This 5 feet by 10 feet shelter has a capacity of 75 birds.

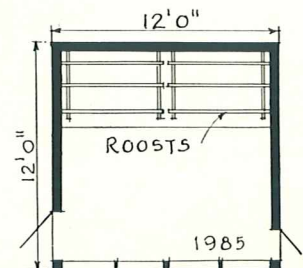


**POULTRY HOUSE—No. 1985**

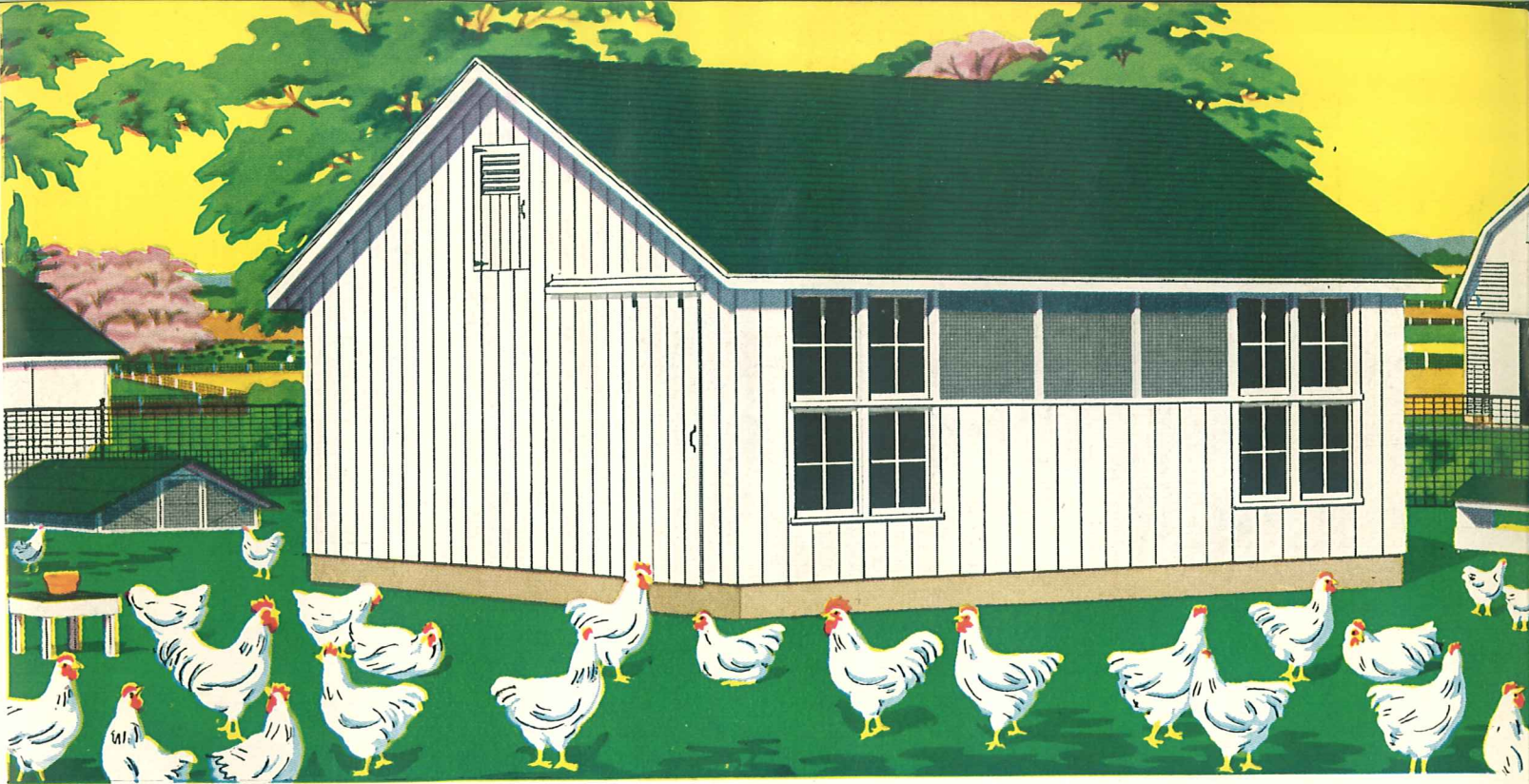
Small, compact and economical to construct, yet it offers all the approved requirements of sunlight, ventilation and warmth. Will provide space for 35 to 40 fowl.



**SECTION**



**PLAN**



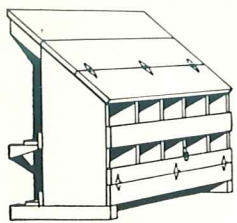
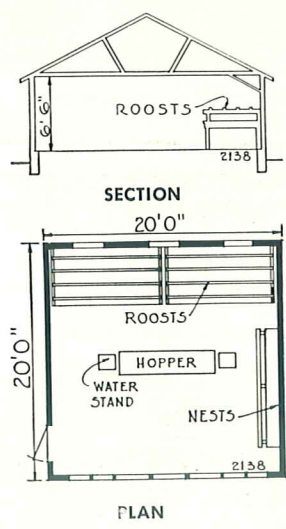
↑ ↑

TOP PICTURE SHOWS A POULTRY ROOST SHELTER, No. 1906, SIZE 9 FT. WIDE x 10 FT. LONG x 4 FT. 9 IN. HIGH.

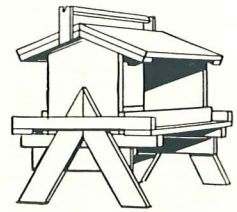
BOTTOM PICTURE, AT LEFT, SHOWS A WATER STAND, No. 1909, SIZE 2 FT. SQUARE & 1 FT. 7 IN. HIGH.

## POULTRY HOUSE NO. 2138

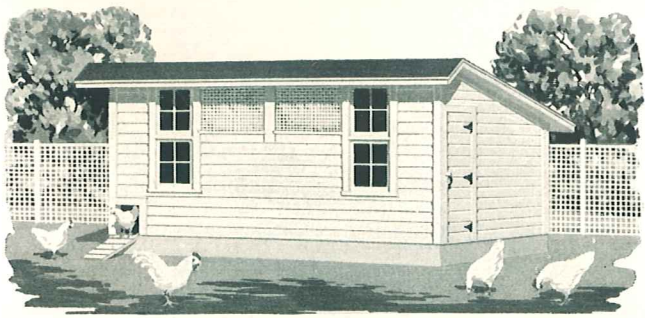
A uniform temperature is generally more easily maintained in the straw-loft poultry house than in some of the more common types. Usually a layer of straw 2 to 3 feet deep is ample and will last indefinitely. Plenty of sunlight is assured by the 8 large sash and the muslin openings provide a continuous flow of fresh air. This house should accommodate approximately 100 to 120 birds. Plans give all details of construction in such a clear manner that building is made easy for the handy man.



No. 2009  
Nests

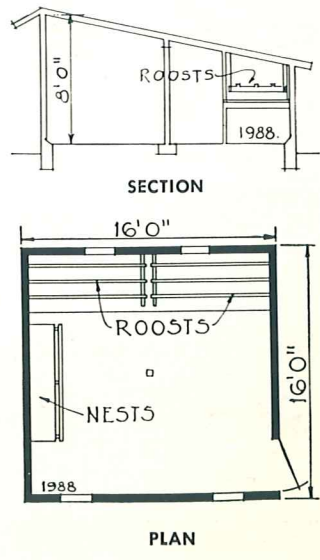


No. 2019  
Self-Feeder



POULTRY HOUSE—No. 1988

While this house is easy to construct it offers all the essential features and equipment for practical poultry raising. It offers accommodations for 65 to 70 fowls. Working plans give complete details of all construction parts.

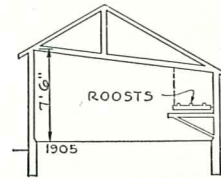


POULTRY HOUSES  
 & ACCESSORIES

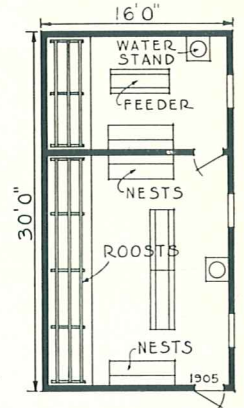


Call at our office and inspect the material which we furnish

## POULTRY HOUSE NO. 1905

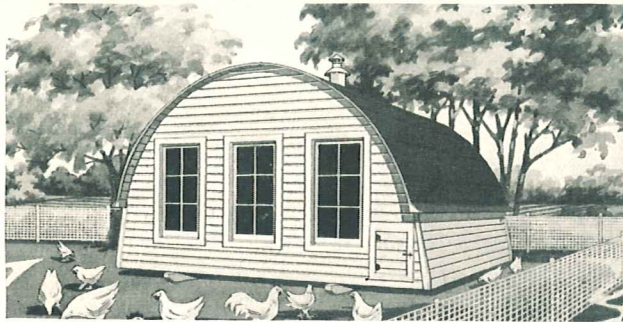


SECTION



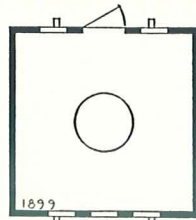
PLAN

This picture illustrates a modern poultry house with two complete individual rooms for separation of flock. If this latter feature is not desired however, partition may be omitted and house built as one large room. Economical of construction, fully insulated and lined, this house will insure a healthy flock. Capacity, 60 to 75 fowls.

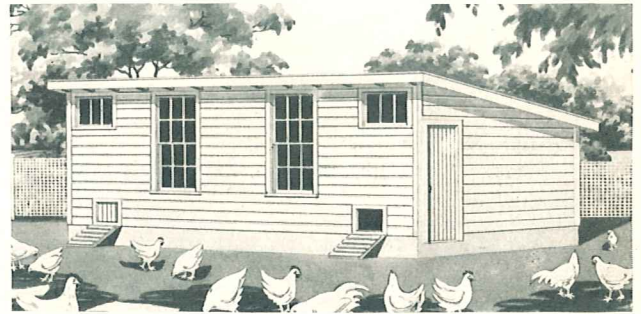


## BROODER HOUSE No. 1899

A popular type light weight movable brooder house with sawed rib rafters. Available in three sizes; Plan 1, 12'0" x 8'0"; Plan 2, 12'0" x 10'0"; Plan 3, 12'0" x 12'0".

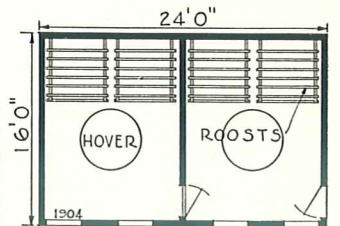


PLAN

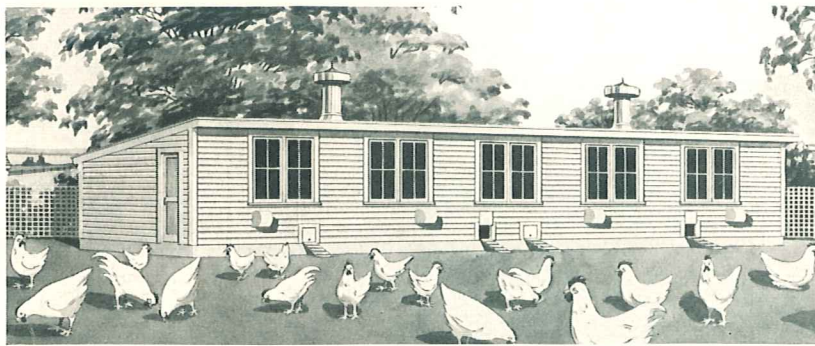


## BROODER HOUSE No. 1904

While this plan shows two units each having a capacity of 500 baby chicks, addition may be easily made to suit varied needs. Also adaptable in other seasons as a fattening pen or laying unit.

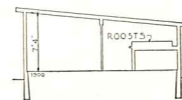


PLAN

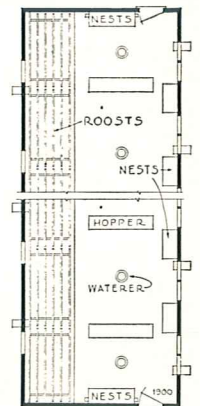


## POULTRY HOUSE NO. 1900

A SELECTION OF THREE DIFFERENT SIZES



SECTION

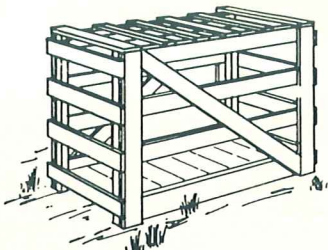


PLAN

A modern poultry house in every sense of the word. Construction is simple and practical, and plans give complete details for ventilation system.

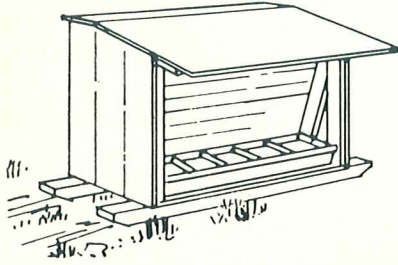
- PLAN 1—SIZE 20'0" x 40'0".....CAPACITY 200 FOWLS
- PLAN 2—SIZE 20'0" x 50'0".....CAPACITY 250 FOWLS
- PLAN 3—SIZE 20'0" x 60'0".....CAPACITY 300 FOWLS

POULTRY HOUSES



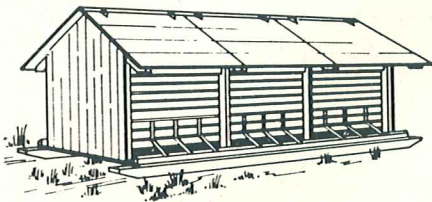
**No. 1949**

**HOG CRATE (Takedown):** Rigidly built crate with solid floor. Members held together with bolts and winged nuts so that crate may be taken down when not in use. Size 5 feet 6 inches long, 2 feet 4 inches wide and 3 feet 4 inches high.



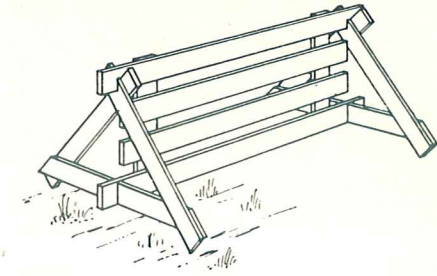
**No. 1950**

**SMALL SELF FEEDER:** A convenient movable hog feeder with roof hinged for filling. Size 4 feet 6 inches long, 2 feet 3 inches wide and 3 feet 9 inches high.



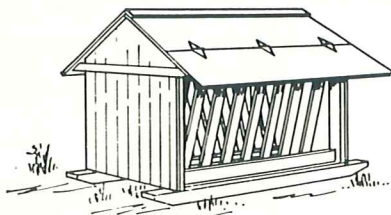
**No. 1951**

**EAR CORN SELF FEEDER:** Has roof doors for filling and is constructed on 4 x 4 runners for easy moving. Capacity about 100 bushels. Size 12 feet 9 inches long, 3 feet 5 inches wide and 5 feet 6 inches high.



**No. 1952**

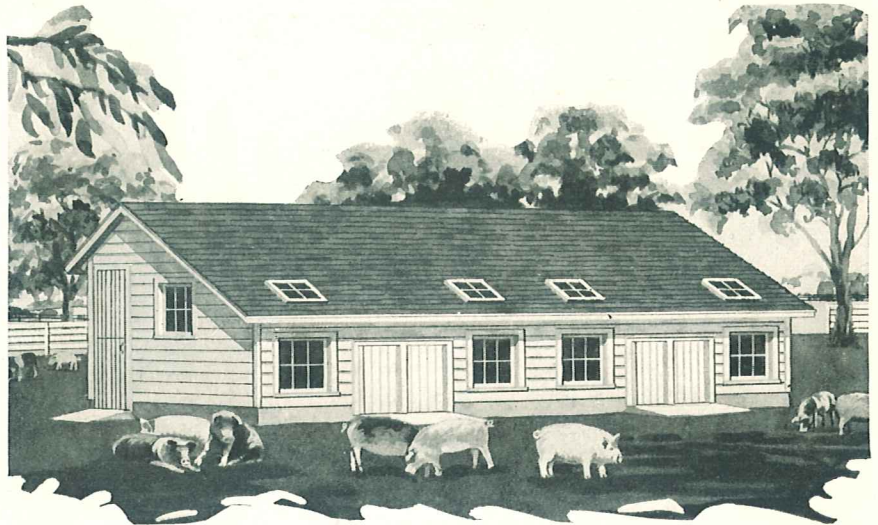
**MOVABLE HURDLE:** A temporary fence for swine or sheep that may be set up or moved in a few minutes. Length of panels 9 feet. Hurdle Ends 5 feet wide and 2 feet 5 inches high.



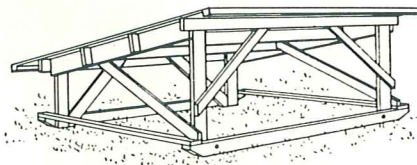
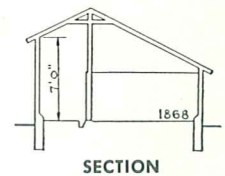
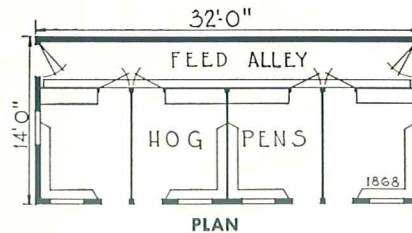
**No. 1953**

**ALFALFA SELF FEEDER:** A sturdy movable hog rack. Has feeding space for about 20 small hogs or 10 large hogs. Its use avoids litter and waste. Size 6 feet 8 inches long, 5 feet 2 inches wide and 4 feet high.

## HOG HOUSE NO. 1868

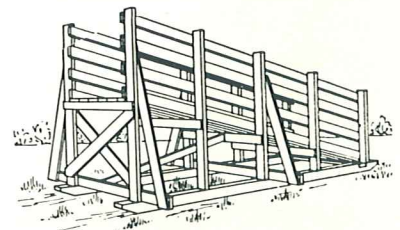


This economical skylight hog house usually meets the requirements of the farmer who is not an extensive hog raiser, but who believes in giving his stock proper protection and care. The roof is not exposed to the cold north winds. Skylights are placed where needed for proper sunlight and face south. You can build any length desired. Plans give complete details.



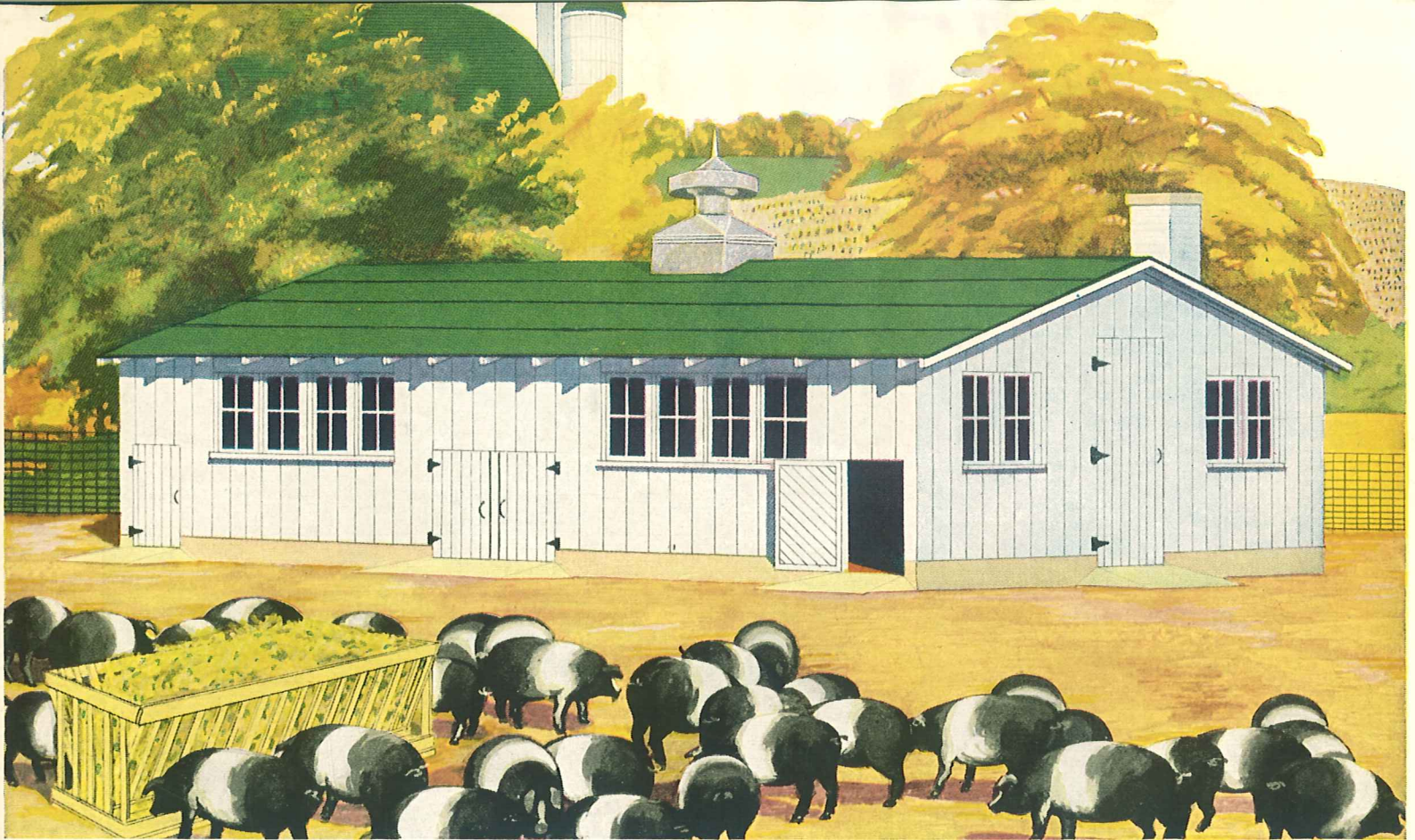
**No. 1956**

**HOG SHADE:** An easily constructed rigid frame on runners. Can be dragged to any desirable location on hog lot. Size 12 feet long, 12 feet wide and 6 feet high.



**No. 1954**

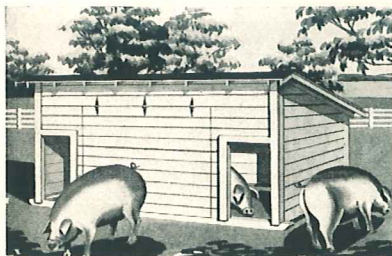
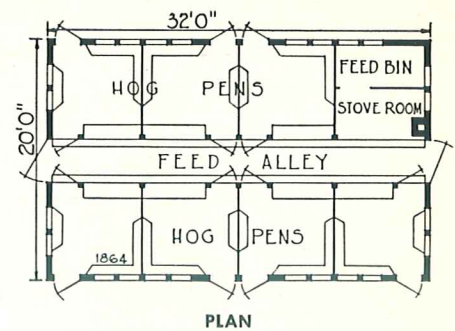
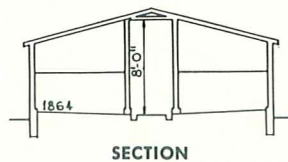
**HOG LOADING CHUTE:** Constructed on runners for easy moving, this ruggedly built chute will give long service. Size 16 feet long and 8 feet wide. Height as desired.



↑  
**AT LEFT—**  
**ALFALFA SELF-FEEDER, MOVABLE. No. 1958.** Size 10 feet 8 inches long by 4 feet 4 inches wide by 4 feet high.

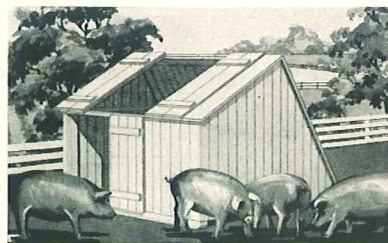
## HOG HOUSE No. 1864

The simplified construction of this hog house will enable the practical handy man to easily erect it in a substantial manner. The plans are complete in every detail leaving nothing to guesswork. There are plenty of windows. The ventilation system, general arrangement and every detail is modern. Concrete foundation extends 1 foot above ground.



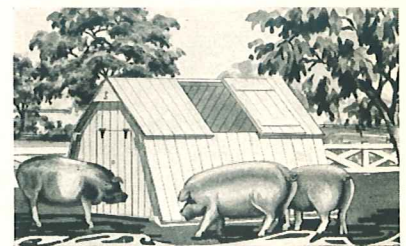
**No. 1872  
 MOVABLE HOG HOUSE**

WIDTH, 14 FEET; DEPTH, 7 FEET;  
 HEIGHT, 6½ FEET  
 A two pen house mounted on skids to enable you to move to any convenient location. The side walls open up to provide extra shade.



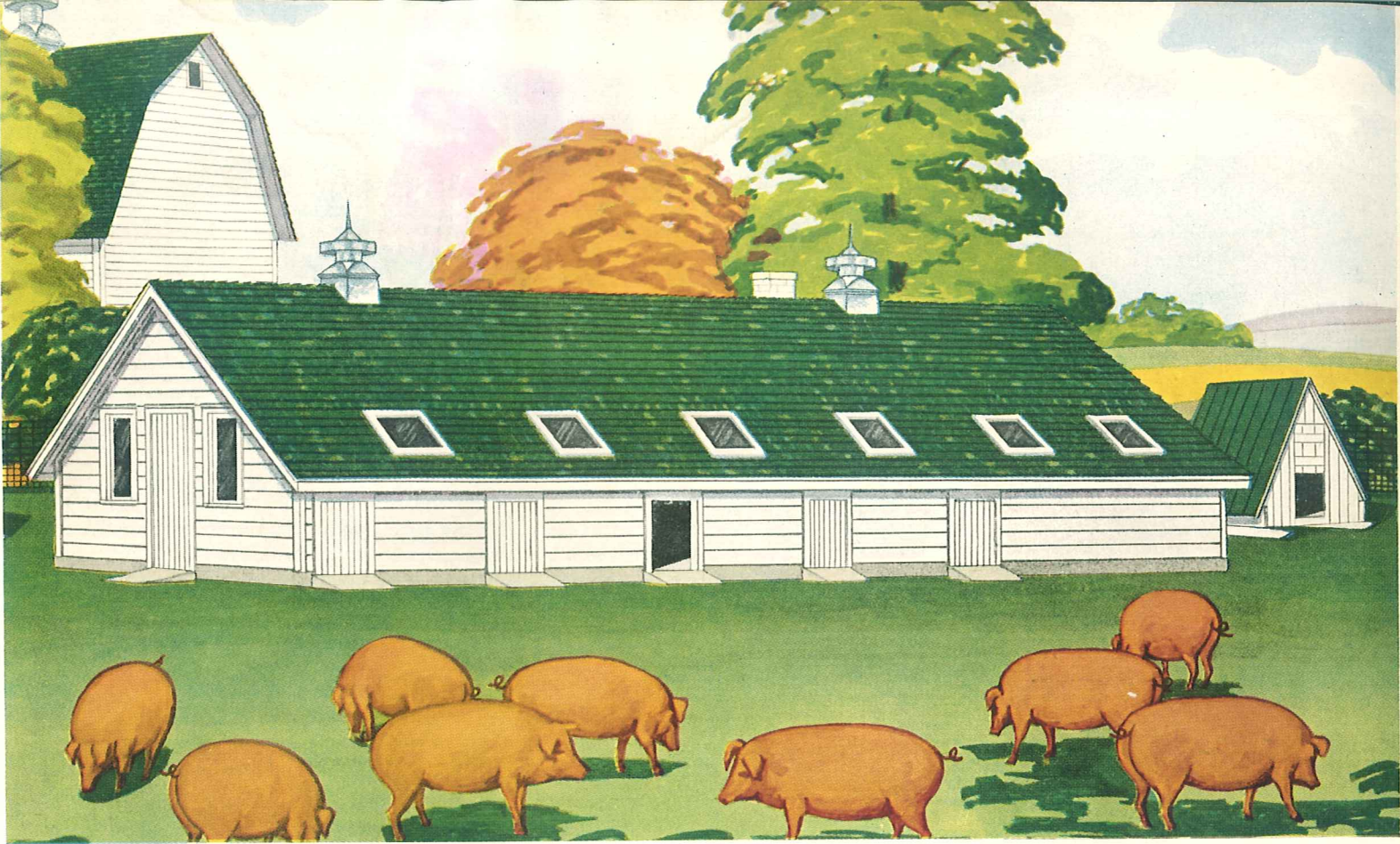
**No. 1877  
 MOVABLE HOG HOUSE**

WIDTH, 7 FEET; DEPTH, 7 FEET;  
 HEIGHT, 5½ FEET  
 This construction makes interior cleaning much easier and provides an opening for sunlight on warm days. As floor is not provided, this house should be placed on high, dry locations only.

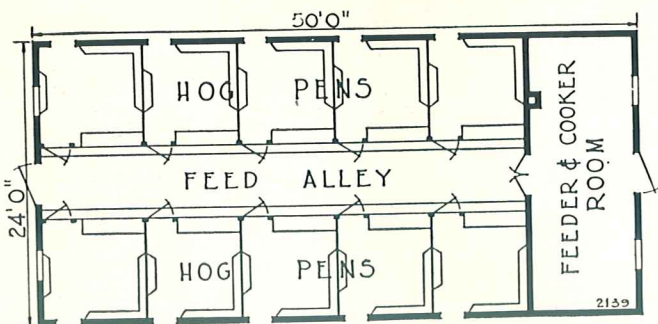


**No. 1879  
 MOVABLE HOG HOUSE**

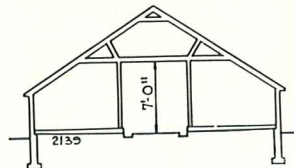
WIDTH, 6 FEET; DEPTH, 8 FEET;  
 HEIGHT, 4½ FEET  
 This gambrel hog cot provides one entrance door and one roof door. Each gable is provided with a ventilator which insures adequate aeration.



## HOG HOUSE NO. 2139



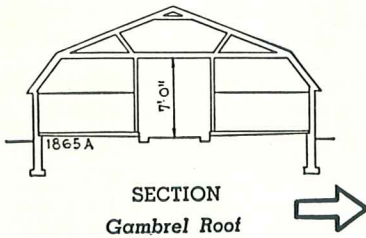
PLAN  
10 Pens



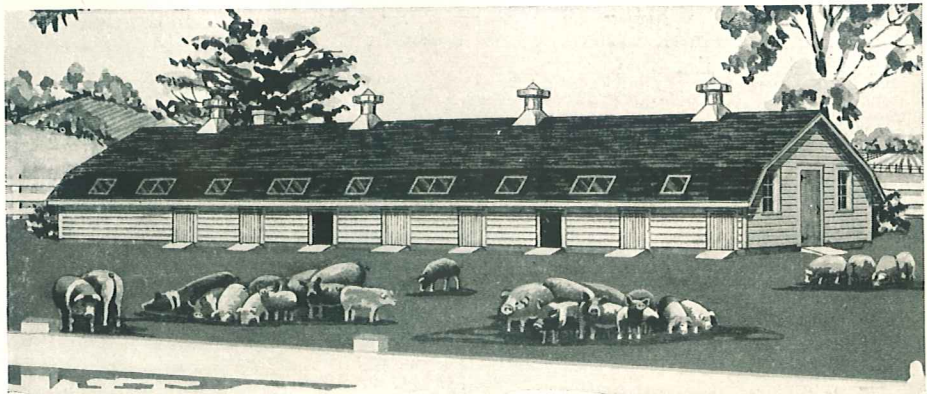
SECTION  
Gable Roof

AT RIGHT—  
A MOVABLE "A"  
HOUSE, No. 1873,  
7½ FEET WIDE BY  
8 FEET DEEP BY 7  
FEET HIGH.

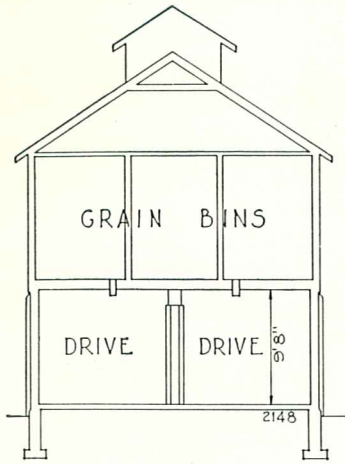
Warm dry houses with sanitary pens insure strong, healthy animals. In both of the structures shown on this page the pens are 8 feet by 8-1/3 feet and equipped in a modern manner.



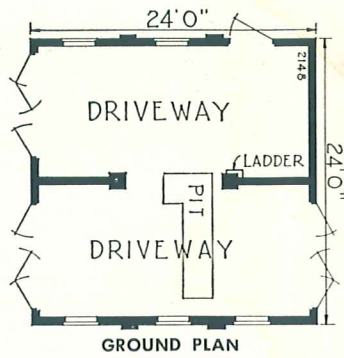
The plan for No. 1865A is similar to above plan but is 24 feet wide by 74 feet long and has 16 pens.



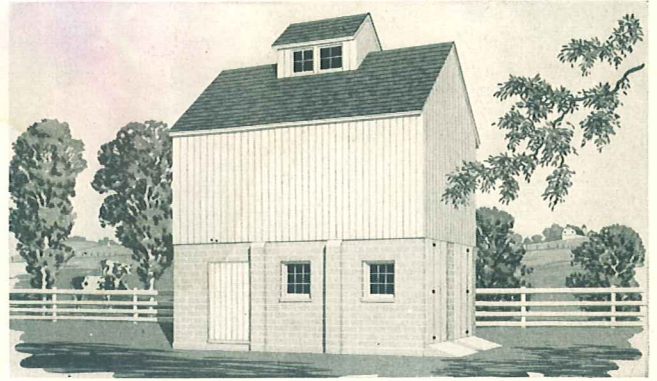
No. 1865-A



SECTION

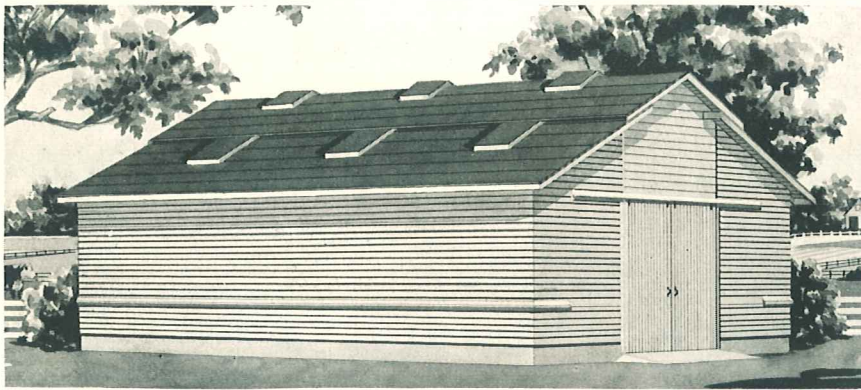


GROUND PLAN



GRANARY NO. 2148

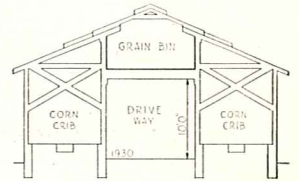
A substantial structure providing nine overhead grain bins, and adapted for use of modern elevator equipment. Lower outside walls are of concrete blocks and upper sidewalls are of vertical boards. Capacity: 4000 bushels of grain.



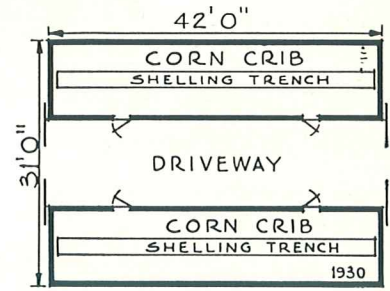
CORN CRIB & GRANARY NO. 1930

This design is adapted to the use of a portable elevator. Roof ventilators are provided, which aid in the curing of the grain. Space over the driveway is used for the storage of small grain. Foundation walls extend 2 feet above grade.

CAPACITY  
4300 Bu. of Corn  
and 1500 Bu.  
of Grain

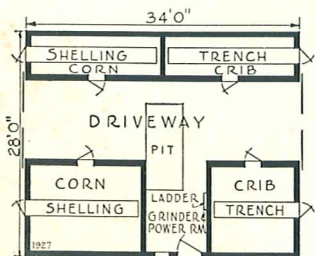


SECTION

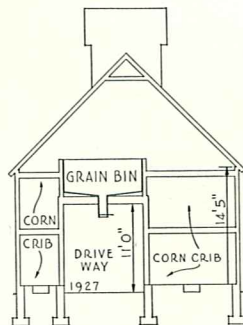


PLAN

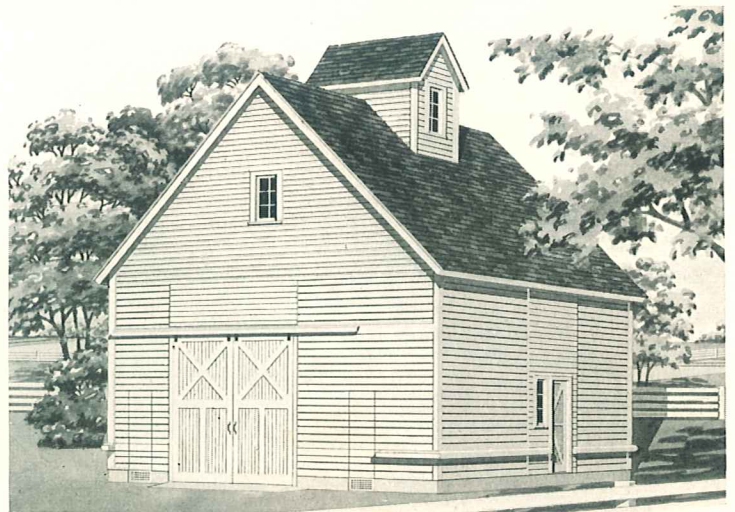
A practical plan and a strong, well designed building suitable for a good sized farm. Shelling trenches are provided for each crib and space over driveway is used for the storage of small grain. The concrete walls extend 12 inches above grade. Capacity: 4000 bushels corn and 1000 bushels grain.



PLAN

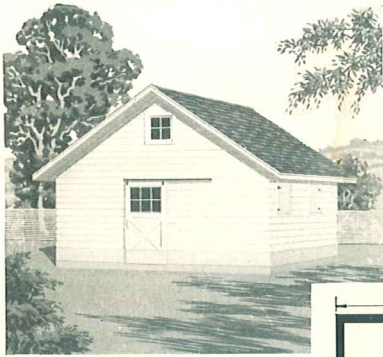


SECTION



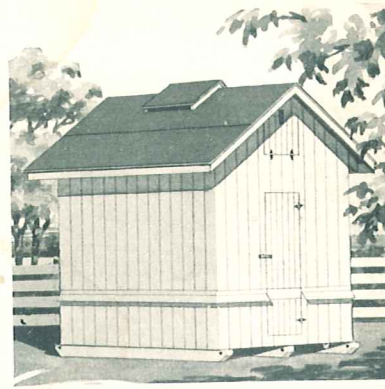
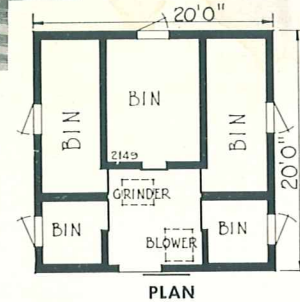
FARM ELEVATOR NO. 1927



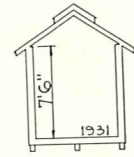


**SMALL GRANARY NO. 2149**  
CAPACITY ABOUT 1600 BU. OF GRAIN

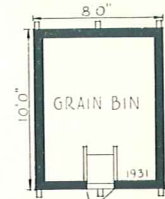
For the smaller farm, this structure provides five bins on the ground floor and one large bin on the second floor.



**MOVABLE GRAIN BIN NO. 1931**

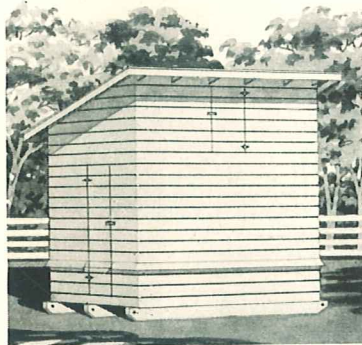


SECTION

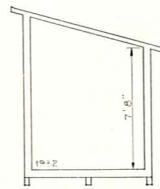


PLAN

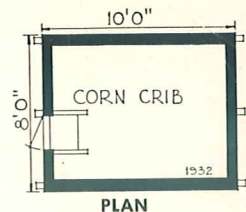
This bin is used more generally for storing grain in the field lots when it is to be used for feeding purposes. The bin is supported on three skids which permit easy moving. Capacity: about 450 bushels of grain.



**MOVABLE CORN CRIB NO. 1932**

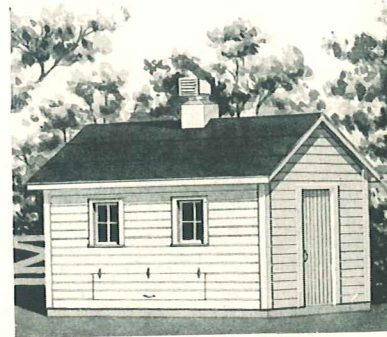


SECTION



PLAN

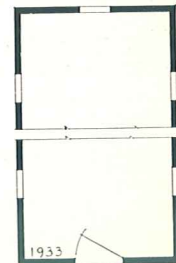
A small movable crib which is rat proof and economical to build. It is well braced for strength and is built on skids. It may be towed to any desired location. Capacity: 375 bushels.



**SEED CORN HOUSE NO. 1933**



SECTION

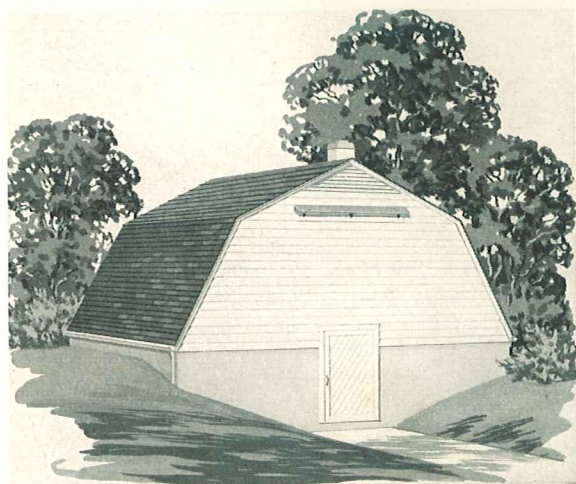


PLAN

This practical, properly ventilated structure is designed for storage and curing of seed corn. Plans give complete details of seed rack construction.

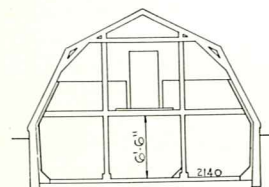
**FOUR DIFFERENT PLANS OFFERED**

	Size	Capacity
PLAN 1	10'0" x 12'0"	40 to 50 Bushels
PLAN 2	10'0" x 16'0"	60 to 80 Bushels
PLAN 3	10'0" x 20'0"	80 to 100 Bushels
PLAN 4	16'0" x 20'0"	150 to 200 Bushels

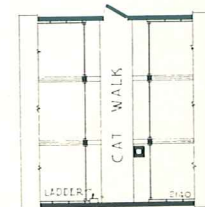


**POTATO STORAGE HOUSE NO. 2140**

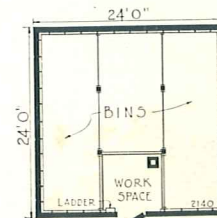
A "carry-in" type storage house with three bins and with provision for adequate ventilation of the bins. Capacity: 3,000 bushels.



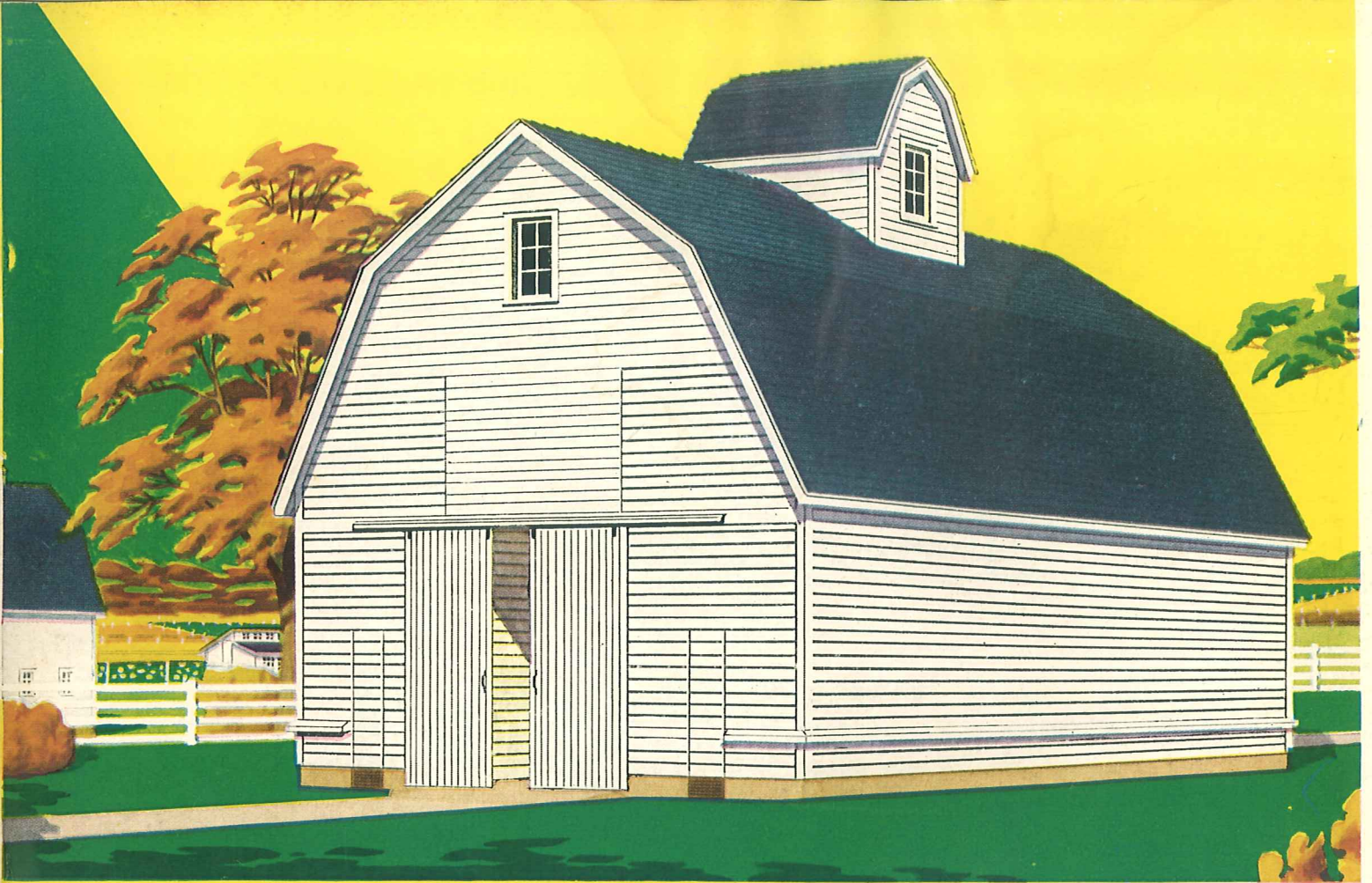
SECTION



UPPER LEVEL

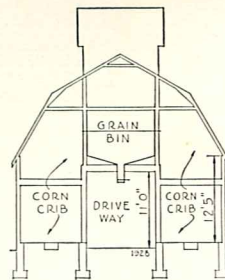


LOWER LEVEL

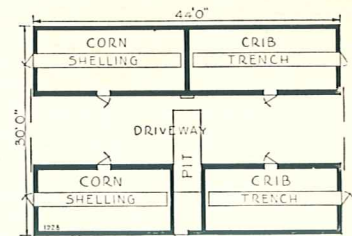


## FARM ELEVATOR NO. 2150

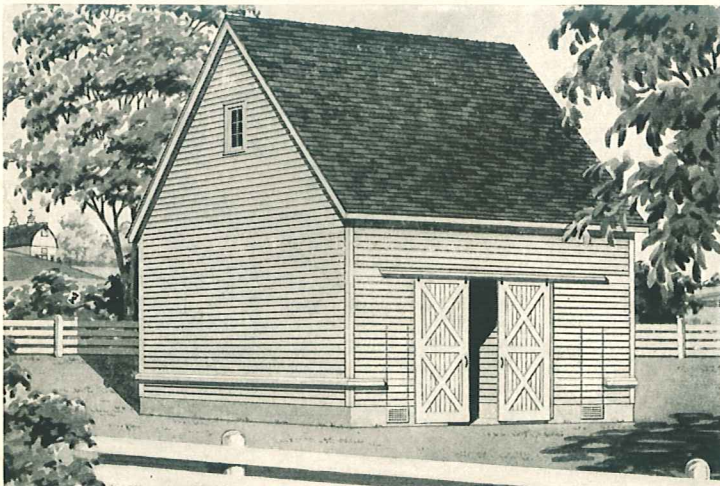
This gambrel roof elevator has all the improvements of a modern granary. Frame has strength necessary to bear heavy loads in bins over driveway and hold corn in cribs without injury to crib walls. Space is provided for power elevator machinery. Foundation walls extend 12 inches above grade. Capacity: 5400 bushels corn and 2300 bushels grain.



SECTION

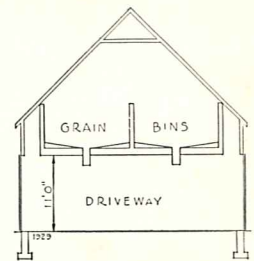


PLAN

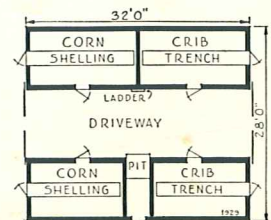


FARM ELEVATOR—No. 1929

A gable roof granary so designed that the elevator does not project through the roof. This type of building with the driveway cross-wise to the main ridge is quite satisfactory for 80 to 100 acre farms. Foundation walls extend 1 foot 6 inches above grade. Capacity: 4300 bushels corn and 1000 bushels grain.



SECTION



PLAN

# INDEX

## TO 132 PLANS, IN NUMERICAL ORDER

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1834.....	(3) .....	6	1900.....	(3) .....	26	1956.....	(1) .....	27
1835.....	(3) .....	6	1904.....	(1) .....	26	1958.....	(1) .....	28
1838.....	(3) .....	6	1905.....	(1) .....	26	1959.....	(1) .....	4
1839.....	(3) .....	6	1906.....	(1) .....	25	1960.....	(1) .....	4
1840.....	(3) .....	6	1909.....	(1) .....	25	1963.....	(1) .....	4
1842.....	(3) .....	10	1920.....	(1) .....	24	1966.....	(1) .....	5
1844.....	(4) .....	5	1927.....	(1) .....	30	1967-A.....	(1) .....	9
1846.....	(1) .....	11	1929.....	(1) .....	32	1971.....	(1) .....	5
1848.....	(4) .....	7	1930.....	(1) .....	30	1973.....	(1) .....	8
1850.....	(1) .....	9	1931.....	(1) .....	31	1974.....	(1) .....	5
1853.....	(1) .....	11	1932.....	(1) .....	31	1976.....	(1) .....	8
1859.....	(1) .....	10	1933.....	(4) .....	31	1977.....	(1) .....	8
1862.....	(1) .....	9	1937.....	(4) .....	22	1985.....	(1) .....	24
1864.....	(1) .....	28	1941.....	(1) .....	23	1988.....	(1) .....	25
1865-A.....	(1) .....	29	1943.....	(1) .....	23	1989.....	(1) .....	24
1868.....	(1) .....	27	1944.....	(1) .....	22	2003.....	(1) .....	24
1872.....	(1) .....	28	1948.....	(1) .....	22	2009.....	(1) .....	25
1873.....	(1) .....	29	1949.....	(1) .....	27	2010.....	(1) .....	24
1877.....	(1) .....	28	1950.....	(1) .....	27	2019.....	(1) .....	25
1879.....	(1) .....	28	1951.....	(1) .....	27	2126.....	(1) .....	12
			1952.....	(1) .....	27	2127.....	(1) .....	13
						2128.....	(1) .....	14
						2129.....	(1) .....	15
						2130.....	(1) .....	16
						2131.....	(1) .....	17
						2132.....	(1) .....	18
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						2134.....	(1) .....	20
						2135.....	(1) .....	21
						2136.....	(1) .....	4
						2137.....	(1) .....	8
						2138.....	(1) .....	25
						2139.....	(1) .....	29
						2140.....	(1) .....	31
						2141.....	(2) .....	3
						2142.....	(1) .....	2
						2143.....	(1) .....	2
						2144.....	(1) .....	2
						2146.....	(1) .....	10
						2147.....	(1) .....	23
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						2150.....	(1) .....	32

(NUMBERS IN PARENTHESIS INDICATE NUMBER OF DIFFERENT PLANS AVAILABLE)

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