EC722 Farm Buildings for Nebraska

Ivan D. Wood
R. M. Loper

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Farm Buildings for Nebraska

No. 10.71-27

UNITED STATES
DEPARTMENT OF AGRICULTURE
COOPERATING
Farm Buildings for Nebraska

A description and price list of the plans prepared and approved by the Department of Agricultural Engineering, University of Nebraska, Agricultural College

Compiled by
IVAN D. WOOD
State Extension Agent
in Agricultural Engineering

R. M. LOPER
In Charge of Drafting

Drawings and Renderings by
DALE R. VAN HORN
O. L. POLK
E. GRANT LANTZ
J. O. UNTANK
F. H. PARR
IVAN D. WOOD
R. M. LOPER
Farm Buildings for Nebraska

BY IVAN D. WOOD

The plans described in this circular are for buildings especially suited to corn belt conditions. Each set of plans is complete, showing elevations, floor plans, and details in such a way that the average carpenter should have little trouble in building from them. In some cases bills of material accompany the blueprints.

The purpose of the circular is to make known the sets of plans of farm structures which are now available at a small cost to any one desiring them. This small cost barely covers the expense of blueprinting and postage, but, according to a ruling by the Board of Regents, must be sent in advance before any plan may be mailed. If the prints are not satisfactory and are returned in good condition, the purchaser's money will be returned.

An attempt has been made to include in this list only such plans as may be suited to general conditions on Nebraska farms. In some instances the interior arrangement or size of the structure shown may not exactly meet the needs of the purchaser but slight rearrangements may often be made after consulting the contractor or carpenter.

Acknowledgment is given to the many Nebraska farmers who have used sets of plans issued from time to time by the Department of Agricultural Engineering and who have given many helpful suggestions which have permitted the preparation of revised plans of better design. Acknowledgment is also given to the various Subject Matter Departments of the University of Nebraska College of Agriculture whose helpful suggestions have materially aided in the preparation of these plans.

Returned prints and orders should be addressed to the:
Department of Agricultural Engineering,
Agricultural College,
Lincoln, Nebraska.
EXTENSION CIRCULAR 722

BEEF CATTLE BARNS AND SHEDS

FLOOR PLAN

10.724-2  Cattle Shed—Clay tile, 20' x 94'-5".
Two sheets ........................................... $ 0.30

CROSS SECTION
10.724-3 Cattle Shed—Frame, 22' x 70'.
Two sheets..............................$ 0.20

10.724-4 Cattle Barn—Frame, 52' x 68'—Hay storage to floor,
space for loose cattle, 6 box stalls, 1 grain bin, mow.
Three sheets...........................$ 0.45

DAIRY BARNs

10.723-8 Dairy Barn—Frame, 16' x 18'—4 cows, shed type.
One sheet..............................$ 0.15
10.723-2 Dairy Barn—Hollow tile, 38'-2" x 82'-2"—Common gable or self-supporting roof, 26 cows, 6 box stalls for official testing, 2 silos, 2 grain bins. Twelve sheets. $ 1.80

10.723-9 Dairy Barn—Frame, 18' x 32'—Shed type, 8 cows. Two sheets. $ 0.30

10.723-10 Dairy Barn—Frame, 18' x 32'—Shed type, 6 cows, 1 box stall, 1 feed room. Two sheets. $ 0.30
10.723-11  Dairy Barn—Frame, 16' x 32'—Cows face in, 8 cows.  
Two sheets..............................................$ 0.30

10.723-12  Dairy Barn—Frame, 36' x 52'—20 cows, 2 box stalls, 
1 calf pen, 2 grain bins, 1 silo.  
Five sheets...........................................$ 0.75

GENERAL PURPOSE BARNs

10.721-2  General Purpose Barn—Frame, 34' x 64'—8 horses, 
11 cows, 2 box stalls, 1 calf pen, 2 feed rooms, 
separator room, harness room.  
Ten sheets............................................$ 1.50
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dimensions</th>
<th>Horses</th>
<th>Cows</th>
<th>Box Stalls</th>
<th>Grain Bins</th>
<th>Separator Room</th>
<th>Engine and Grinder Room</th>
<th>Harness Room</th>
<th>Hay Space to Floor</th>
<th>Feeding Shed Attached</th>
<th>Sheets</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.721-4</td>
<td>General Purpose Barn—Frame, 34' x 64'—8 horses, 9 cows, 2 box stalls, 1 calf pen, grain bin, separator room, engine and grinder room, harness room.</td>
<td></td>
<td>8</td>
<td>9</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>11</td>
<td>$ 1.65</td>
</tr>
<tr>
<td>10.721-5</td>
<td>Small Barn Plan—Frame, 18' x 26'—4 horses, 4 cows, no bins.</td>
<td></td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>$ 0.40</td>
</tr>
<tr>
<td>10.721-8</td>
<td>Small General Purpose Barn—Frame, 24' x 46'—6 horses, 5 cows, 1 box stall, 1 feed bin.</td>
<td></td>
<td>6</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>$ 0.80</td>
</tr>
<tr>
<td>10.721-9</td>
<td>General Purpose Barn—Frame, 40'-4&quot; x 56'-4&quot;—6 horses, 8 cows, 2 box stalls, 2 grain bins, harness room, hay space to floor, feeding shed attached.</td>
<td></td>
<td>6</td>
<td>8</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td>7</td>
<td>$ 1.05</td>
</tr>
<tr>
<td>10.721-10</td>
<td>General Purpose Barn—Frame, 36' x 66'—12 cows, 12 horses, 2 grain bins, 1 box stall.</td>
<td></td>
<td>12</td>
<td>12</td>
<td>0</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>$ 1.20</td>
</tr>
<tr>
<td>10.721-11</td>
<td>General Purpose Barn—Frame, 56' x 70'—12 horses, 4 cows, 1 box stall, 2 grain bins, harness room, hay to floor.</td>
<td></td>
<td>12</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>$ 0.45</td>
</tr>
<tr>
<td>10.721-12</td>
<td>General Purpose Barn—Frame, 36' x 52'—6 horses, 9 cows, 3 box stalls, 1 harness room, 1 grain bin.</td>
<td></td>
<td>6</td>
<td>9</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>$ 1.20</td>
</tr>
<tr>
<td>10.721-13</td>
<td>General Purpose Barn—Frame, 52' x 52'—14 cows, 15 horses, 4 grain bins, 2 box stalls.</td>
<td></td>
<td>14</td>
<td>15</td>
<td>0</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>$ 0.90</td>
</tr>
<tr>
<td>10.721-16</td>
<td>General Purpose Barn—Frame, 34' x 46'—10 cows, 4 horses, 2 box stalls, 2 grain bins.</td>
<td></td>
<td>10</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>$ 0.90</td>
</tr>
<tr>
<td>10.721-17</td>
<td>General Purpose Barn—Frame, 30' x 32'—4 horses, 5 cows, 1 box stall, 1 calf pen, 1 grain bin.</td>
<td></td>
<td>4</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>$ 0.60</td>
</tr>
<tr>
<td>10.721-18</td>
<td>General Purpose Barn—Clay tile, 36' x 104'—4 horses, 2 cow pens, 2 box stalls, 1 bull pen, 1 calf pen, wash room, grinder room, implement room, shelter for loose stock.</td>
<td></td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>$ 0.90</td>
</tr>
<tr>
<td>10.721-20</td>
<td>Basement Barn—Frame, 32' x 40'—8 horses, 7 cows, room for loose stock.</td>
<td></td>
<td>8</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>$ 0.90</td>
</tr>
<tr>
<td>10.721-21</td>
<td>General Purpose Barn—Clay block, 36' x 61'-8&quot;—7 horses, 8 cows, 3 calf pens, 1 box stall, 1 bull pen, 4 grain bins.</td>
<td></td>
<td>7</td>
<td>8</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>$ 0.75</td>
</tr>
</tbody>
</table>
10.721-26 General Purpose Barn Frame, 18' x 32'—4 cows, 4 horses, shed type. Two sheets: $0.30

10.721-27 General Purpose Barn—Frame, 30' x 34'—5 horses, 4 cows, 1 box stall, 1 grain bin. Two sheets: $0.30
10.721-28 General Purpose Barn—Frame, 30' x 34'—5 horses, 4 cows, 1 box stall, 1 grain bin, mow. Two sheets $ 0.30

10.721-29 General Purpose Barn—Frame, 32' x 36'—5 horses, 8 cows, 1 grain bin, 1 silo. Six sheets $ 0.90

10.721-31 General Purpose Barn—Frame, 36' x 50'—12 cows, 8 horses, 1 grain bin. Six sheets $ 0.90

10.721-32 General Purpose Barn—Frame, 34'-2" x 46'-2"—14 horses, 3 cows, 2 grain bins, 1 harness room. Five sheets $ 0.75
10.721-30  General Purpose Barn—Frame, 30' x 48'—6 horses, 7 cows, 1 calf pen, 1 box stall, 2 grain bins.
Six sheets ................................................ ........................ $ 0.90

FLOOR PLAN
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dimensions</th>
<th>Capacity</th>
<th>Features</th>
<th>Sheets</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.722-1</td>
<td>Horse Barn—Frame, 36' x 56'—20 horses, 1 box stall, 1 grain bin.</td>
<td></td>
<td></td>
<td></td>
<td>Four sheets</td>
<td>$ 0.40</td>
</tr>
<tr>
<td>10.722-2</td>
<td>Horse Barn—Frame, 34' x 36'—13 horses, 1 grain bin, 1 box stall.</td>
<td></td>
<td></td>
<td></td>
<td>Three sheets</td>
<td>$ 0.45</td>
</tr>
<tr>
<td>10.732-1</td>
<td>Combination Granary and Crib—Frame, 26' x 42'—Capacity 5000 bu. ear corn, 3500 bu. small grain.</td>
<td></td>
<td></td>
<td></td>
<td>Six sheets</td>
<td>$ 0.60</td>
</tr>
<tr>
<td>10.732-2</td>
<td>Portable Grain Bin—Frame, 10' x 14'—Capacity 360 bu. ear corn, or 725 bu. small grain, mounted on skids.</td>
<td></td>
<td></td>
<td></td>
<td>One sheet</td>
<td>$ 0.15</td>
</tr>
<tr>
<td>10.732-3</td>
<td>Cross Drive Granary—Frame, 26' x 34'—Capacity 3200 bu. ear corn, 3500 bu. small grain, driveway crosswise, 14' studding, seed room and grinder room.</td>
<td></td>
<td></td>
<td></td>
<td>Five sheets</td>
<td>$ 0.75</td>
</tr>
<tr>
<td>10.732-4</td>
<td>Granary—Frame, 32' x 32'—Capacity 400 bu. ear corn, 500 bu. small grain, driveway lengthwise, seed room, engine room.</td>
<td></td>
<td></td>
<td></td>
<td>Two sheets</td>
<td>$ 0.30</td>
</tr>
<tr>
<td>10.732-5</td>
<td>Granary—Frame, 30' x 38'—Capacity 5200 bu. ear corn, 6000 bu. small grain, driveway lengthwise, 18' studding, grinder room, large dump pit.</td>
<td></td>
<td></td>
<td></td>
<td>Four sheets</td>
<td>$ 0.60</td>
</tr>
<tr>
<td>10.732-6</td>
<td>Granary—Frame, 32' x 42'—Capacity 6170 bu. ear corn, 5960 bu. shelled corn, driveway lengthwise, 18' studding, grinder room and large dump pit.</td>
<td></td>
<td></td>
<td></td>
<td>Six sheets</td>
<td>$ 0.90</td>
</tr>
<tr>
<td>10.732-7</td>
<td>Corn Crib—Frame, 40' x 26'—Capacity 3000 bu. driveway lengthwise, 10' studding.</td>
<td></td>
<td></td>
<td></td>
<td>Four sheets</td>
<td>$ 0.40</td>
</tr>
<tr>
<td>10.732-8</td>
<td>Corn Crib and Granary—Frame, 29' x 32'—Capacity 4100 bu. ear corn, 1950 bu. small grain, driveway lengthwise, 14' studding.</td>
<td></td>
<td></td>
<td></td>
<td>Four sheets</td>
<td>$ 0.60</td>
</tr>
</tbody>
</table>
10.732-10 "A" Shaped Crib Ventilator—Frame, 3' wide, 7' or 8' high.
   One sheet ......................................................... $ 0.10

   Six sheets ......................................................... $ 0.90

   Six sheets ......................................................... $ 0.90
CRATES AND CHUTES

10.776-1  Hog Breeding Crate
          One sheet........................................ $ 0.15

10.776-2  Dehorning Chute
          One sheet........................................ $ 0.10
DAIRY HOUSES AND CREAMERIES

10.734-1 Dairy House—Tile, 10' x 18'—Testing room and separator room. One sheet $0.10

END ELEVATION

10.734-2 Dairy house—Frame, 9' x 12'—Cooling tank, space for separator, churn, heater, etc. One sheet $0.15
DIPPING VATS AND OILERS

CLAY BLOCK HOG WALLOW

10.775-1 Clay Block Hog Wallow
One sheet.......................................................... $ 0.10

10.775-2 Concrete Hog Wallow
One sheet.......................................................... $ 0.15

10.775-5 Concrete Hog Dipping Vat
One sheet.......................................................... $ 0.10
10.775-3  Cage Dipping Vat for Cattle.
Three sheets.................................$ 0.30
DRAINAGE

10.222-1 Surface Intake and Outlet Guard
One sheet................................................. $ 0.10

10.222-2 Surface Inlet and Silt Basin for Tile Drain
One sheet................................................. $ 0.05

10.222-3 Surface Inlet
One sheet................................................. $ 0.10

DWELLING HOUSES

10.71-3 House—Clay block and stucco, 25’ x 27’—2 stories,
6 rooms, bath and hall; suitable for east or south
facing.
Nine sheets.................................................. $ 1.35

10.71-5 Tenant House—Frame, 24’ x 26’—4 rooms; suitable
for east facing, inside cellar entrance.
Seven sheets.................................................. $ 0.70

10.71-6 One and One-half Story Bungalow—Frame, 28’ x 28’
6 rooms, bath, sleeping porch; suitable for east
or south facing.
Twelve sheets............................................... $ 1.20

10.71-7 Bungalow—Frame, 28’ x 40’—6 rooms, bath; suitable
for west facing.
Seven sheets.................................................. $ 0.90

10.71-8 House—Brick and stucco, 41’-6” x 48’—2 stories, 10
rooms, bath; south facing.
Ten sheets.................................................... $ 1.50

10.71-9 House—Brick veneer on wood, 30’ x 34’—1½
stories, 7 rooms, bath; suited for east or south
facing.
Eight sheets................................................... $ 1.20
1071-10 One and One-half Story Brick Bungalow—32' x 42', 9 rooms, 2 bath rooms, sleeping porch.
Six sheets $ 0.90
No. 10.71-10
10.71-12  Bungalow—Brick, 30'-4" x 28'-4"—1 story, 6 rooms and bath; suited to east or south facing. Nine sheets. $ 0.90
10.71-13  Farm Bungalow—Frame, 28’ x 34’—1 story, 5 rooms, store room, no bath; suitable for east or south facing.  
Seven sheets.................................................. $ 0.70

10.71-14  House—Frame, 32’ x 46’—2 stories, eight rooms, wash room and bath; north facing.  
Nine sheets.................................................. $ 0.90
10-71-15  Residence—28’ x 42’—1½ stories, 8 rooms and bath, downstairs wash room; south facing.

Eight sheets ........................................... $ 0.80
10.71-17 Tenant House—Frame, 24' x 26'—1 story, 4 rooms, no bath, outside cellar entrance; east facing.
Seven sheets..................................$ 0.70

10.71-22 Farm Bungalow—Frame, 28' x 38'—1½ stories, 6 rooms, bath, back sleeping porch; east facing.
Six sheets......................................$ 0.60

10.71-23 House—Frame, 26' x 30'—2 stories, 8 rooms with bath and wash room on first floor; south facing.
Eight sheets....................................$ 0.80

10.71-24 Dutch Colonial—Frame, 26' x 24'—8 rooms with bath on first floor; south and east facing.
Four sheets.....................................$ 0.40

10.71-25 Bungalow—Frame, 32' x 36'—1½ stories, 6 rooms, with bath; south facing.
Four sheets.....................................$ 0.40

10.71-26 Bungalow—Frame, 32' x 44'—8 rooms, bath, wash room; east facing.
Nine sheets....................................$ 0.96

**FIRST FLOOR PLAN**
No. 10.71-27
SECOND FLOOR PLAN

10.71-27 Two Story Brick House—30' x 36'—10 rooms including office, washroom and bath. Also sleeping porch.
Fourteen sheets............................................. $ 1.40

10.71-28 Colonial—Frame, 28' x 38'—8 rooms, bath, washroom; south and west facing.
Ten sheets....................................................... $ 1.50

10.71-30 Bungalow—Stucco over clay block, 32' x 38'—1 story, 6 rooms, bath; east facing.
Nine sheets.................................................... $ 0.90

10.71-39 Nebraska Farm Kitchen—Shows arrangement of kitchen equipment for most efficient work.
One sheet....................................................... $ 0.10

10.71-40 Canning Kitchen—Suitable for public institutions.
One sheet....................................................... $ 0.10
No. 10.71-32
FIRST FLOOR PLAN

10.71-32 Bungalow—Frame, 32' x 36'—4 rooms, dining alcove, bath.
Six sheets................................................................. $ 0.90
Colonial—Frame, 26' x 34'—7 rooms, sun parlor, dining alcove, washroom first floor; bath, storage rooms on second floor.
Six sheets

$ 0.90
EROSION

Can be built up of brick or concrete

DAM

4' x 4' concrete tube

4.5 inlet

8'

Slope 1' in 10'

No. 10.26-1
Soil Saving Dam of Earth with Concrete Tube.
Two sheets............................................... $ 0.20
TERRACING IMPLEMENT—Level and Drag.
One sheet ........................................... $ 0.15

FAIR GROUNDS LAYOUT

10.7911-2 Antelope County Fairgrounds Layout—Shows combinations of six hog houses and sale pavilion. Also gives entrance and exit roads, airplane landing field, and parking space.
Two sheets ........................................... $ 0.30

10.7911-4 Burwell Fairgrounds Layout—Shows half mile trotting track, grand stand, speed barn, also arrangement of hog and cattle barns. Main Agricultural Building and landscaping is indicated.
Two sheets ........................................... $ 0.30
FARM BUILDINGS FOR NEBRASKA

10.7911-5 Wayne County Fairgrounds Layout—Shows location of the following buildings: Agricultural Hall, Fine Arts, Judging Pavilion, Hog Barn, Horse Barn, Cattle Barn, Dining Room, Grand Stand, Speed Barn, Rest Room, Poultry Barn; also half mile trotting track.
Five sheets .................................................. $ 0.75

10.7911-6 Walthill Fairgrounds Layout—Shows location of Hog Barns, Horse Barns, Grand Stand, Sale Pavilion, American Legion Hall; also shows possibilities of landscaping.
One sheet .................................................. $ 0.10

FAIR BUILDINGS

10.7912-1 Poultry Exhibit Building—Stucco and frame, 24' x 64'—80 standard coops.
Three sheets .................................................. $ 0.45

10.7912-2 Hog Barn—Stucco and frame, 24' x 96'—32 pens.
Four sheets .................................................. $ 0.60

10.7912-3 Cattle Barn—Stucco and frame, 34' x 61'—12 double stalls, 2 box stalls.
Four sheets .................................................. $ 0.60

10.7912-4 Agricultural Hall—Frame, 40' x 80'—Display shelf full length of each side and 2 display shelves in center, 1 story.
Four sheets .................................................. $ 0.60

10.7912-5 Agricultural Hall—Stucco and frame—Shape of cross, each arm 40' x 40', 1 story, 32 booths, 10' x 12'.
Five sheets .................................................. $ 0.75

10.7912-6 Agricultural Hall—Frame, 60' x 90'—2 stories, full basement with dining room, kitchen, locker and shower room, and check stand.
Twelve sheets ............................................... $ 1.80
FARMSTEADS

10.76-2 General Purpose Farmstead for Irrigated Farm—North facing, 160 acres.
One sheet.............................................. $ 0.15

10.76-3 Nebraska Farmstead No. 1—North facing, typical arrangement for average Nebraska farm.
One sheet.............................................. $ 0.15
Nebraska Farmstead No. 2—East facing; Compact arrangement of buildings, suited to fire proof materials.
One sheet.............................................. $ 0.15
10.76-5 South Facing Farmstead—Typical for average Nebraska farm.
One sheet................................................................. $ 0.15

10.76-10 South Facing Farmstead—Particularly adapted to dairy farming.
One sheet................................................................. $ 0.15

10.76-25 South Facing Farmstead—Buildings to north and west of residence, designed for hog raising.
One sheet................................................................. $ 0.15

10.76-28 East Facing Farmstead—Compact arrangement for general purpose farming, buildings south and west of house, designed for southwest slope.
One sheet................................................................. $ 0.15

10.76-39 East Facing Farmstead—Ranch farmstead with large corrals and feed lots.
One sheet................................................................. $ 0.15

10.76-48 North Facing Farmstead—Designed for east slope, buildings southeast of house, shows complete landscaping.
One sheet................................................................. $ 0.15

10.76-64 East Facing Farmstead—General purpose, designed for northwest slope.
One sheet................................................................. $ 0.15

10.76-69 West Facing Farmstead—Designed for south slope, buildings southeast of house, general purpose.
One sheet................................................................. $ 0.15

10.76-74 South Facing Farmstead for East Slope—General purpose, buildings typical for Nebraska 160 acre farm.
One sheet................................................................. $ 0.15

10.76-84 South Facing Farmstead—General purpose, designed for top of knoll.
One sheet................................................................. $ 0.15

10.76-97 North Facing Farmstead—Designed particularly for hog raising—shows sheep yards and arrangement for large poultry yards.
One sheet................................................................. $ 0.15

10.76-103 South Facing Farmstead—Designed for west slope, buildings north of house.
One sheet................................................................. $ 0.15

10.76-106 South Facing Farmstead—Particularly suited for cattle feeding, shows windbreak and yard arrangement for stock cattle.
One sheet................................................................. $ 0.15
FARM BUILDINGS FOR NEBRASKA

10.76-114 North Facing Farmstead—General purpose—Designed for east slope, especially adapted for poultry raising.
One sheet....................................................$ 0.15

10.76-135 West Facing Farmstead—General purpose—Colonial house well back from the road.
One sheet....................................................$ 0.15

FEEDERS

POULTRY FEEDERS

10.7727-1 Poultry Feeder—Dry mash, outdoor, grit and shell feeders.
One sheet....................................................$ 0.10

10.7727-2 Poultry Feeder—2' x 3' 8".
One sheet....................................................$ 0.15

CATTLE FEEDERS

10.7724-1 Feed Bunk—Portable.
One sheet....................................................$ 0.15

10.7724-2 Self Feeder for Cattle—8' x 14'—Capacity 630 bushels.
One sheet....................................................$ 0.15
SHEEP FEEDERS

10.7725-1 Reversible Trough.
One sheet................................................. $ 0.10

10.7725-2 Grain Bunk—Low down type—for corn and oil meal.
One sheet................................................. $ 0.10

10.7725-3 Grain Bunk for Sheep.
One sheet................................................. $ 0.10

HOG FEEDERS

10.7726-1 Self Feeder for Hogs—Iowa type, double side feeder;
portable, two doors on top.
One sheet................................................. $ 0.15

10.7726-2 Self Feeder for Hogs—Iowa type, single side feeder;
portable, single door on top.
One sheet................................................. $ 0.15

10.7726-3 Self Feeder for Hogs—Portable, double side feed-
ers, removable par-
tition for feeding
tankage, single
door on top.
Two sheets................................................. $ 0.20

10.7726-4 Self Feeder for Hogs—6' x 16'—Two bins, concrete
base, stationary.
One sheet................................................. $ 0.15

10.7726-5 Self Feeder for Hogs—6' x 14'—Portable.
One sheet................................................. $ 0.15
## FARM BUILDINGS FOR NEBRASKA

### FEED RACKS

#### CATTLE FEED RACKS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.7734-1</td>
<td>Hay Feed Rack—Portable</td>
<td>$0.10</td>
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<tr>
<td>10.7734-2</td>
<td>Hay Feed Rack—Portable</td>
<td>$0.10</td>
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<td></td>
<td>One sheet</td>
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</table>

#### SHEEP FEED RACKS

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>10.7735-1</td>
<td>Hay Rack—Horizontal type</td>
<td>$0.10</td>
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<td></td>
<td>One sheet</td>
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<tr>
<td>10.7735-2</td>
<td>Portable Sheep Rack</td>
<td>$0.10</td>
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<tr>
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<td>One sheet</td>
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<tr>
<td>10.7735-3</td>
<td>Hay Rack for Sheep</td>
<td>$0.10</td>
</tr>
<tr>
<td></td>
<td>One sheet</td>
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<tr>
<td>10.7735-4</td>
<td>Hay and Grain Rack for Sheep</td>
<td>$0.10</td>
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<td>One sheet</td>
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#### HOG FEED RACK

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>10.7736-1</td>
<td>Alfalfa Feed Rack—Portable</td>
<td>$0.10</td>
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### FEEDING FLOORS AND YARDS

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<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>10.724-2</td>
<td>Sheep Shearing Pens—Pens, shearing platform,</td>
<td>$0.10</td>
</tr>
<tr>
<td></td>
<td>engine room</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One sheet</td>
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<tr>
<td>10.724-3</td>
<td>Sheep Feeding Yards—288’ square</td>
<td>$0.10</td>
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<tr>
<td></td>
<td>One sheet</td>
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<tr>
<td>10.724-4</td>
<td>Small Sheep Yard—96’ x 144’</td>
<td>$0.10</td>
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<tr>
<td>10.724-6</td>
<td>Movable Sheep Pen</td>
<td>$0.10</td>
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### FENCES

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<tr>
<td>10.75-1</td>
<td>Mould for Concrete Fence Posts</td>
<td>$0.10</td>
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<tr>
<td>10.75-4</td>
<td>Brick Farm Entrance</td>
<td>$0.10</td>
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<td>One sheet</td>
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10.75-6  Farm Gate Entrance.
One sheet.............................................. $ 0.15
### FILTERS

<table>
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<tr>
<td>10.872-1</td>
<td>Rainwater Filter—5'-2&quot; x 2'-2&quot; x 2'-1&quot;, deep—Concrete compartments for gravel, charcoal, and sand.</td>
<td>One sheet</td>
<td>$0.10</td>
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### FUEL HOUSES

<table>
<thead>
<tr>
<th>Code</th>
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<th>Quantity</th>
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<tbody>
<tr>
<td>10.743-1</td>
<td>Tile Fuel House—13'-1&quot; x 10'-5&quot;.</td>
<td>Two sheets</td>
<td>$0.20</td>
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### HAY BARNs AND SHEds

<table>
<thead>
<tr>
<th>Code</th>
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<th>Quantity</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>10.731-2</td>
<td>Pole Hay Shed—Frame, 24' x 60'—18' posts, feeding shed attached.</td>
<td>Two sheets</td>
<td>$0.20</td>
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<tr>
<td>10.731-4</td>
<td>Hay Barn and Shed—Frame, 40' x 84'—16' shed on 2 sides.</td>
<td>Two sheets</td>
<td>$0.30</td>
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<tr>
<td>10.731-5</td>
<td>Standard 36' Cross-Section.</td>
<td>One sheet</td>
<td>$0.10</td>
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### HAY STACKER

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>10.41134-1</td>
<td>Home Made Hay Stacker.</td>
<td>One sheet</td>
<td>$0.10</td>
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### HITCHES

<table>
<thead>
<tr>
<th>Code</th>
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<th>Quantity</th>
<th>Price</th>
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<tbody>
<tr>
<td>10.421-1</td>
<td>Five Horse Doubletree.</td>
<td>One sheet</td>
<td>$0.15</td>
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<tr>
<td>10.421-2</td>
<td>Four Horse Equalizer for Gang Plow.</td>
<td>One sheet</td>
<td>$0.05</td>
</tr>
<tr>
<td>10.421-3</td>
<td>Five Horse Evener.</td>
<td>One sheet</td>
<td>$0.10</td>
</tr>
<tr>
<td>10.421-4</td>
<td>Five Horse Evener.</td>
<td>One sheet</td>
<td>$0.05</td>
</tr>
<tr>
<td>10.421-5</td>
<td>Three Horse Evener for Wagon.</td>
<td>One sheet</td>
<td>$0.05</td>
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</table>
### HOG HOUSES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Sheets</th>
<th>Cost</th>
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<tbody>
<tr>
<td>10.726-1</td>
<td>Portable Hog House—Frame, 6’ x 8’.</td>
<td>Two</td>
<td>$0.20</td>
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<tr>
<td>10.726-2</td>
<td>Hog House—Frame, 22’ x 32’—North and south type, 9 pens, grain bin, and loft.</td>
<td>Nine</td>
<td>$1.35</td>
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<tr>
<td>10.726-3</td>
<td>Nebraska Hog House—Frame, 22’ x 32’—Concrete floor, north and south type, 9 pens, no loft.</td>
<td>Eight</td>
<td>$1.20</td>
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<tr>
<td>10.726-5</td>
<td>Nebraska Hog House No. 4, 7’ x 8’—Portable type, “A” shaped.</td>
<td>One</td>
<td>$0.15</td>
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<tr>
<td>10.726-10</td>
<td>Nebraska Hog House No. 5—Clay block, 22’ x 32’—North and south type with loft.</td>
<td>Ten</td>
<td>$1.50</td>
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<tr>
<td>10.726-11</td>
<td>Nebraska Hog House No. 6—Clay block, 22’ x 32’—9 pens, 2 grain bins, 4’ alley, windows in side, north and south type.</td>
<td>Eight</td>
<td>$1.20</td>
</tr>
<tr>
<td>10.726-14</td>
<td>Clay Block Hog House—23’ x 50’-3”—North and south type, 14 pens, grain bin, bunk room, 4’ alley.</td>
<td>Three</td>
<td>$0.45</td>
</tr>
<tr>
<td>10.726-15</td>
<td>Half-monitor Hog House—Frame, 20’ x 22’.</td>
<td>One</td>
<td>$0.10</td>
</tr>
<tr>
<td>10.726-16</td>
<td>Nebraska Hog House No. 7—Frame, 6’ x 8’—Portable.</td>
<td>One</td>
<td>$0.15</td>
</tr>
</tbody>
</table>
10.726-17 Widle Hog House—Clay block, 32' 6" x 64', plus a sales pavillion—North and south type, 16 pens, 3 alleys.
Eight sheets............................................................ $ 1.20
No. 10.726-17

10.726-18 Clay Block Hog House—27' x 50'-3"—North and south type—14 pens, grain bin, and bunk room, 8' alley.
Three sheets.................................................. $0.45
10.726-19 South Facing Colony Hog House—Frame, 20' x 30'—East and west type, half monitor, 10 pens. Nine sheets. $ 0.90

10.726-21 Gambrel Roof, South Facing Hog House—Tile, 20'-6" x 61'-10"—20 pens, 4' alley, 2 rows of roof windows in south roof. Three sheets. $ 0.45

10.726-23 Two-Sow Hog House—Frame, 7' x 12'—Portable, solid partition in center. One sheet. $ 0.15
END ELEVATION

10.726-22 Whisenand Individual Hog House—6' x 7'—"A" type, Portable.
One sheet......................................................... $ 0.15

PERSPECTIVE or FRAMING

10.726-24 Clay County Type Hog House—Frame, 14' x 14'
Four unit.
One sheet......................................................... $ 0.15
HOME CONVENIENCES

10.711-1 Dumb Waiter.
Two sheets........................................$ 0.20

ICE HOUSES AND ICE EQUIPMENT

10.745-1 Ice House and Cooler—Ice compartment 10' x 11', concrete cooling cellar 6'-6" x 11', underground with frame roof.
Two sheets........................................$ 0.30

10.745-2 Butcher, Smoke, and Ice House—14' x 30'—Ice compartment 12' x 12', smoke room 5' x 12', butchering room 9' x 12'; above ground with cold cellar below ice compartment.
Three sheets...................................$ 0.45

10.745-3 Ice House and Milk Room—14' x 20'—Ice compartment 10'-9" x 14', milk room 5'-9" x 14', above ground, frame.
One sheet........................................$ 0.15

10.745-4 Ice House—Tile, 11'-6" x 15'-6"—Above ground.
Three sheets.....................................$ 0.30
10.7451-1  Concrete Ice Pond—20' x 20' or 20' x 40'.
One sheet................................................. $ 0.15

10.7451-2  Ice Trays—For freezing ice on the farm, trays are the size to contain a standard 300 lb. cake.
One sheet................................................ $ 0.05

MACHINE SHEDS AND GARAGES

10.741-1  Machine Shed—Tile, 20' x 58'—Includes shop, milk-room, engine or pump room, loft for machinery.
Five sheets................................................. $ 0.75

10.741-4  Machine Shed—Frame, 24' x 72'—South facing, rolling doors on front.
Two sheets................................................ $ 0.30

FLOOR PLAN
No. 10.741-5
10.741-5  Machine Shed—Tile, 24' x 68'—Shop 14' x 24' at one end; south facing, sliding doors.
Five sheets.......................................................... $ 0.75

10.741-6  Garage and Tool Shed—Frame, 12' x 26'.
Two sheets............................................................. $ 0.20
10.741-7  Two Car Garage—Brick and stucco, 20' x 20'.
Two sheets .................................................. $ 0.30
No. 10.741-7

10.741-8  Tile Garage, 12' x 20'.
Three sheets..........................  $ 0.30
10.741-9 Tile and Brick Garage—Two car, 20' x 20'.
   Two sheets .................................................. $ 0.20

MISCELLANEOUS

10.791-7 Grand Stand—32' x 128'—Approximate capacity 1000.
   One sheet .................................................. $ 0.15

10.791-8 Concrete Swimming Pool—50' x 100'.
   Three sheets .................................................. $ 0.45

10.791-9 Tourist Camp Layout.
   One sheet .................................................. $ 0.15

10.791-10 Standard Layout for Half Mile and One Mile Trotting Track.
   One sheet .................................................. $ 0.15
POULTRY HOUSES

10.727-1  Poultry House—Tile, 16' x 32'.
One sheet .................................................. $ 0.10

10.727-2  Poultry House for City Lot—Frame, 6' x 8'.
One sheet .................................................. $ 0.10

10.727-3  Dual Purpose Poultry House—Frame, 12' x 14'.
Two sheets .................................................. $ 0.20

FRONT ELEVATION
No. 10.727-4
10.727-4 Double Unit Poultry House—Frame, 20' x 40'.
Four sheets ................................................... .......... $ 0.40

10.727-5 Single Unit Poultry House—Frame, 20' x 20'.
Three sheets .................................................... $ 0.30
10.727-6 Dual Purpose Poultry House—Tile, 12' x 14'.
Three sheets...........................................$ 0.30

10.727-7 Single Unit Poultry House—Tile, 20' x 20'.
Two sheets...........................................$ 0.20

10.727-8 Colony Range House—Frame, 8' x 10'.
Three sheets...........................................$ 0.30

10.727-9 Brooder House—Frame, 8' x 12'.
Two sheets.............................................$ 0.30
10.727-10 Double Unit Poultry House—Tile, 20' x 40'.
Three sheets..........................  $0.45

10.727-11 Poultry House—Frame, 30' x 50'—Grain bins in mow.
Six sheets..............................  $0.90
ROOT AND FRUIT STORAGE BUILDINGS

10.735-1 Storage Cellar—Hollow tile with reinforced concrete roof, 28' x 34'.
Three sheets.................................................................$ 0.30

10.735-2 Potato Storage Cellar—Frame, 30' x 64'.
Two sheets.................................................................$ 0.30

10.735-3 Root Cellar—Tile or brick, 11' x 18'.
One sheet.................................................................$ 0.10
10.735-4 Cave—Hollow tile—8’ x 14’—Reinforced concrete roof.
One sheet........................................................................... $0.15

10.735-5 Cellar Ventilation.
Two sheets........................................................................... $0.20

SALES PAVILIONS
10.7913-1 Round Sales Pavilion—Frame, Stucco walls—Outside diameter 67', ring diameter 16', seating capacity approximately 1000, stall room for 30 head under seats.
Eight sheets............................................. $ 1.20
10.7913-2 Sales Pavilion and Barn, Hexagonal—Frame—
Javilion 50' x 50', ring 12' x 16', barn 72' x 90'';
barn contains 37 hog pens, 42 cow stalls, feed room,
wash room; approximate capacity, 600.
Fifteen sheets...........................................$ 2.25

10.7913-3 Community Sales Barn—Frame, 60' x 140'—32
double and 2 single stalls, room for washing and
fitting show animals; sales ring 20' x 27', exhibit
space under seats; approximate capacity, 850.
Seven sheets.............................................$ 1.05

10.7913-4 Round Sales Pavilion—Brick—Diameter 63'-6''
ring diameter 21'—fourteen single stalls under the
seats, designed for detached stock barns; capacity
600.
Six sheets..................................................$ 0.90

SCHOOL HOUSES, CHURCHES, AND COMMUNITY
CENTERS

10.791-1 One-room School House—Frame, 35' x 40'—No base-
ment, faces north or west.
Five sheets.............................................$ 0.50

10.791-2 Two-room School House—Frame, 66' x 39'-9''—Full
basement, faces north or west.
Four sheets..............................................$ 0.60

10.791-3 School House—44' x 74', two story, partial basement,
gymnasium; primary, intermediate, grammar, assem-
bly, and two recitation rooms.
Eight sheets..............................................$ 1.20

FLOOR PLAN
No. 10.791-5
Community House—Matt brick and terra cotta, 50' x 90'—two stories, first floor, gymnasium, office, bath and toilet, kitchen, and woman's rest room; second floor, auditorium, historical room, ticket office, and library.

Four sheets... $ 0.40
If blue prints are ordered by the file number given in this bulletin and the money sent with the order, it will be possible to send the plans immediately. No prints can be sent out without having been paid for first. If the plans are found to be unsatisfactory and are returned in good condition within ten days, the money will be refunded promptly. It is practically impossible to pick out the plans desired unless the file numbers are given. Promptness of delivery can be assured if these instructions are followed.
SEPTIC TANKS AND FILTERS

10.812-1 Single Chamber Septic Tank.
One sheet ........................................ $ 0.15

10.812-2 Double Chamber Septic Tank.
Two sheets ........................................ $ 0.20
Farm Work Shop—Tile, 14' x 24'.
Three sheets ........................................... $ 0.30
SILOS

10.733-1  Silo and Tank—Tile, 14' x 36'—Concrete roof, concrete floor in storage tank, 8' x 13' tank on top, One sheet. ........................................ $ 0.15

SECTIONAL PLAN

10.733-2  Silo and Tank—Tile, 16' x 36', 8' x 10'-8". One sheet. ........................................ $ 0.10
SMOKE HOUSE

10.736-1 Smoke House—Clay tile.
One sheet ........................................... $ 0.10

STALLS AND STALL EQUIPMENT

10.779-1 Wooden Cow Stalls.
One sheet ........................................... $ 0.10

10.779-2 Steel Stanchion and Concrete Stall.
One sheet ........................................... $ 0.05
## STORAGE TANKS, CISTERNS, AND PRESSURE SYSTEMS

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<tr>
<th>Item Code</th>
<th>Description</th>
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<th>Price</th>
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<tbody>
<tr>
<td>10.873-1</td>
<td>Pneumatic System.</td>
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<tr>
<td>10.873-2</td>
<td>Gravity System.</td>
<td>One sheet</td>
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<tr>
<td>10.873-4</td>
<td>3000 Gallon Cistern.</td>
<td>One sheet</td>
<td>$0.10</td>
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<tr>
<td>10.873-7</td>
<td>Device to Keep Water Pipes from Freezing.</td>
<td>One sheet</td>
<td>$0.10</td>
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<tr>
<td>10.873-8</td>
<td>Pump Hydrant Connection.</td>
<td>One sheet</td>
<td>$0.10</td>
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### Diagrams

- **Plan of Tank Floor**
- **Roof Plan**

### Additional Information

- **10.873-9** Clay Block Water Storage Tank—Capacity 2835 gallons.
  - One sheet: $0.15

- **10.873-10** Clay Block Water Storage Tank—Capacity 3700 gallons.
  - One sheet: $0.15
Sectional Elevation

No. 10.873-9

10.873-19 Cold Water for Kitchen and Bath.
One sheet $0.15

10.873-20 Cold Water in Kitchen.
One sheet $0.15
Elevated Tank—Tile, Wooden Stave Tank, Milk House below, capacity 3500 gallons.

One sheet... $0.15
WATERING TANKS, TROUGHS, AND TANK HEATERS

10.771-4 Water Trough for Horses—Concrete, 4' x 10'.
One sheet................................................................. $ 0.10

10.771-5 Watering Tank—Tile, 10' diameter.
One sheet................................................................. $ 0.10

10.771-6 Combined Tank and Heater—Concrete.
One sheet................................................................. $ 0.15

10.771-7 Stock Waterer.
One sheet................................................................. $ 0.15
WOODWORK, FORGE, SOLDERING EXERCISES

(All exercises 10c each)

WOODWORK

<table>
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<td>10.6111-1</td>
<td>Saw Jointer</td>
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<tr>
<td>10.6111-2</td>
<td>Magazine Stand</td>
</tr>
<tr>
<td>10.6111-3</td>
<td>Book Rack</td>
</tr>
<tr>
<td>10.6111-4</td>
<td>Roof Framing</td>
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<tr>
<td>10.6111-5</td>
<td>Wagon Box</td>
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<td>10.6111-6</td>
<td>Adjustable Stand</td>
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<td>10.6111-7</td>
<td>Try Square</td>
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<tr>
<td>10.6111-8</td>
<td>Nail Box</td>
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<tr>
<td>10.6111-9</td>
<td>Saw Horse</td>
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<td>10.6111-10</td>
<td>Jardiniere No. 1</td>
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<tr>
<td>10.6111-11</td>
<td>Jardiniere No. 2</td>
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<td>10.6111-15</td>
<td>Work Bench</td>
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<td>10.6111-16</td>
<td>Magazine Holder</td>
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<td>10.6111-17</td>
<td>Halved Splice</td>
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<tr>
<td>10.6111-18</td>
<td>Mortise and Tenon Joint</td>
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<tr>
<td>10.6111-19</td>
<td>Hammer Handle</td>
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<td>10.6111-20</td>
<td>Library Table</td>
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<tr>
<td>10.6111-21</td>
<td>Bench Hook</td>
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<tr>
<td>10.6111-22</td>
<td>Bench and Milking Stool</td>
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<tr>
<td>10.6111-23</td>
<td>Creeper</td>
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<tr>
<td>10.6111-24</td>
<td>Drawing Board and “T” Square</td>
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<tr>
<td>10.6111-25</td>
<td>Rocker</td>
</tr>
<tr>
<td>10.6111-26</td>
<td>Clothes Tree</td>
</tr>
<tr>
<td>10.6111-27</td>
<td>Porch Swing</td>
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<tr>
<td>10.6111-28</td>
<td>Kitchen Table</td>
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<td>10.6111-29</td>
<td>Farm Gate</td>
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<td>10.6111-30</td>
<td>Poultry Feeder</td>
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<td>10.6111-31</td>
<td>Plant Stand</td>
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<td>10.6111-32</td>
<td>Book Case</td>
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<td>10.6111-33</td>
<td>Trap Nest</td>
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<td>10.6111-34</td>
<td>Gate Leg Table</td>
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