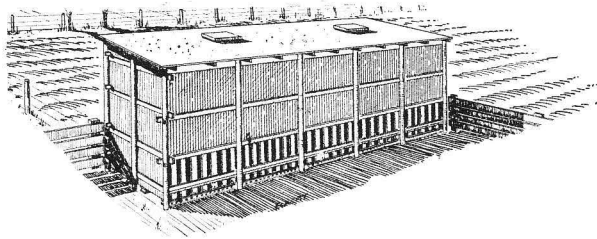


18,150

CORNCRIBS

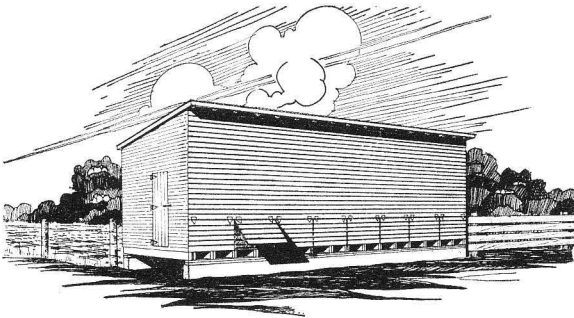
B. F. Cargill and R. L. Maddex
Extension Specialists in Agricultural Engineering



POLE CRIB WITH SNOW FENCE

Plan No. 73271 1 sheet

Ear corn capacity is 24 and 32 bushels* per foot of length for 6' and 8' crib widths. Recommended crib width for Michigan is 6'. Crib length is variable in 5' multiples. Snow fencing, fastened to 2" x 6" girts, is used to line the crib. Two cribs can be placed parallel to each other (12' apart) to form a center drive. Rafters can also be extended for a roof over the drive. Poles 16' long are needed.



SINGLE FRAME CRIB WITH SHED ROOF

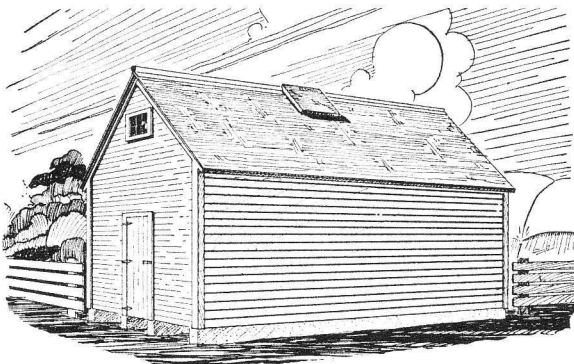
Plan No. 73272 1 sheet

Capacity 24 and 32 bushels* per foot of length for 6' and 8' crib widths. Recommended width for Michigan is 6'. Plan details include roof hatch every 16', emptying doors, footing and foundations, and 10' rear plate height. Two cribs can be placed parallel and rafters extended over area to form a covered driveway.

◆ SINGLE FRAME CRIB WITH GABLE ROOF

Plan No. 732-A1-16 1 sheet

Same as Plan No. 73272 except gable roof and 5' width designed for Michigan conditions. Ear corn capacity is 20 bushels* per foot of length. Bill of material is given for each 8' length.



DOUBLE CRIB SUITABLE FOR DRYING

Plan No. 73281 2 sheets

Crib is 20' wide with 4' x 8' central duct. Louvered openings inside duct permit easy removal of corn, a mechanical drag inside the duct would permit mechanical removal. Ear corn capacity of the crib is 110 bushels* per foot and length is variable in 2' units. Plan shows a 12' plate with a full pitch roof (12 to 12), framing, footing, and foundation details. For mechanical drying, use 5-10 cfm per bushel. For further information on drying, refer to Extension Bulletin 316 "Drying Grain With Forced Air."

DOUBLE CRIB WITH CENTER DRIVE

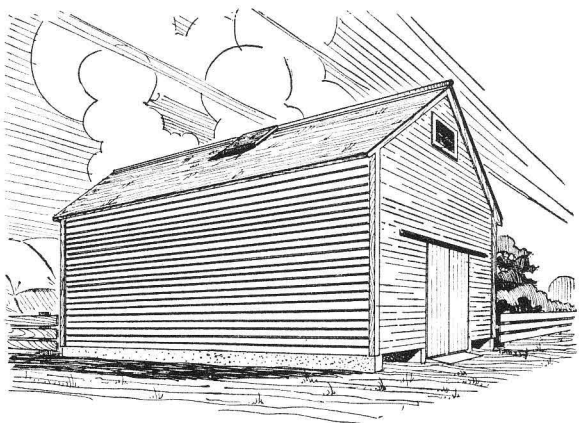
Plan No. 73283 2 sheets

Crib has a center drive 11' wide and 10' high. Cribs, six or eight feet wide, are located on each side and have an ear corn capacity of 80 and 100 bushels* respectively. The 6' crib is recommended for Michigan. The plate height is 14' with a full pitch roof (12 to 12). Bins are located above the drive for approximately 50 bushels of small grain per foot of building. Roof hatch permits use of elevator and louvered openings to center drive permit easy removal.

◆ DOUBLE CRIB WITH CENTER DRIVE

Plan No. 732-C1-17

Same as Plan No. 73283, except 12' center drive, 10'-2" plate, and 6' cribs only. Ear corn capacity is 50 bushels* per foot of building. Plan is complete with rat-proofing details, roof hatches, unloading trench, framing, and footing details. Roof is shown with a 1/3 pitch (8 to 12).



*1 bushel = 2 1/2 ^{cu. ft.} baskets.

◆ Working drawings may be obtained at cost from the Agricultural Engineering Department, Michigan State University, East Lansing, or your County Agent.

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