SHEEP HANDLING EQUIPMENT
For the Farm Flock

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THE BUILDINGS AND EQUIPMENT necessary for the proper handling of sheep do not need to be elaborate or costly. The right kind of equipment will save you money and labor.

Sheep confined to muddy and wet areas will not do well. Shelters should be dry and well drained, with adequate ventilation but free from drafts. Sheep need no special provision for warmth.

Fresh water should be available to sheep at all times. Automatic watering devices may be purchased and installed in lambing pens and feeding areas and will save much labor.

Plans for shed-type sheep shelters and other farm buildings are available from the plan services of the State Colleges. See your County Extension Agent for additional assistance.

This bulletin was prepared by M. G. Huber, Extension Agricultural Engineering Specialist, and Dean Frischknecht, Extension Animal Husbandry Specialist, Oregon State College, in cooperation with the Departments of Agricultural Engineering and Dairy and Animal Husbandry at Oregon State College, University of Idaho, and the State College of Washington.
This bulletin includes plans for . . .

1. A **self-feeder** that can be used for either pellets or ground grain.
2. A **feeding rack** that can be used for either hay or grain or both.
3. A **hay feeder** that can be made portable and that is satisfactory for either chopped or long hay.
4. A **grain trough** that is reversible and portable.
5. A **covered salt box** that provides protection against rain.
6. A **feeding fence** for feeding silage from a trench or bunker silo.
7. A **wool-packing rack** of simple design that will hold a 200-pound-capacity wool bag for convenient filling and packing.
8. **Creep panels** in two different designs—other designs that provide about the same opening might be equally satisfactory for creeps for small flocks.
9. A **hinged panel** for making pens in sheltered areas or for use as a hurdle.
10. A **3-way cutting gate** that can be used in any number of combinations and can be made portable.
11. A **portable loading chute** that makes it possible to load into the top deck of a truck. (A loading chute must be easy to take apart and haul with the load of sheep so that it can be used for unloading as well as loading. The most simple type of chute is a cleated incline made with two side panels and a floor.)
12. A **foot bath** that calls for 2" x 8" sides and cleats on a ¾" exterior plywood floor. It could be made out of 6" material on the sides and can be made to fit in the chute just before the sheep go into the cutting gate. Note that this foot bath needs to be set level. Use waterproof glue at the joints to help prevent leaking. Cleats should be provided in the foot bath.
13. A **shepherd's crook** that is an essential piece of equipment for catching sheep. (In some areas crooks are available in stores, but they can be handmade.)
14. A **portable sheep-blocking box** that is a convenience whenever sheep need to be cleaned, blocked, and trimmed for demonstration or exhibition.
   (Courtesy Kansas State College)
15. A **shade or shelter** that may be portable or pole-frame for permanent installation.

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4. A REVERSIBLE, PORTABLE GRAIN TROUGH

[Diagram of a reversible, portable grain trough]

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7. A WOOL-PACKING RACK

- Metal corner ties, screw fastened
- 1" x 6" boards or 1/2" ext. plywood
- Bag holder to fit snug over top frame
- Platform 1/2 ext. plywood
- 1" x 4" top frame
- 1" x 4" steps
- 1" x 4" diagonal braces
- 2" x 4" corner posts
- 1" x 4" movable for variable heights

8. CREEP PANELS

- All material 1" x 4" S4S
- Nails
- Openings approx. 10" wide x variable height
- Each bolt
- Nails
- Variable height
- 11'-6" Elevation
- End stile double
9. A HINGED PANEL FOR PEN IN SHELTERED AREAS

4'-0" TO 5'-0"

5" STRAP HINGES

HOOKS TO SUIT

1" X 6"

DIAGONAL BRACE

3'-0"

4'-0" TO 5'-0"

1" X 6"

ALL PARTS 1" X 4" EXCEPT AS NOTED

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10. A USEFUL THREE-WAY PORTABLE CUTTING GATE

SECTION 'A-A'

NOTE:
FOR BOTH DOORS,
DOOR SPRING AND HINGE PIN ROD CAN BE MOVED TO OTHER EDGE OF DOOR TO REVERSE DIRECTION OF DOOR OPENING.

SOMETRICAL

END ELEVATION

NOTE:
6' FLAT HEAD STOVE

ISOMETRICAL

END ELEVATION

NOTE:
6' STRAP HINGES

PLAN

NOTE:
1 1/8" WASHER WELDED TO END OF 1" PIPE

SIDE ELEVATION

NOTE:
1 1/8" WASHER WELDED TO END OF 1" PIPE

NOTE:
END ELEVATION

NOTE:
6' STRAP HINGES

NOTE:
STEEL ROD IN 1/4" PIPE
11. A PORTABLE LOADING CHUTE TO REACH EITHER DECK

END ELEVATION

SIDE ELEVATION

PLAN VIEW OF CHUTE

DETAIL OF HOOK STRAP
& BOTTOM STRAP

ASSEMBLED CHUTE

BOTTOM STRAP

2 X 6" BOTTOM

TOP SPACER

DETAIL OF HOOK STRAP

STOCK 2 X 4" LG.

WELD

CLEATS

2 X 6" SIDES

TOP SPACER

TOP SPACER

UNASSEMBLED CHUTE CAN BE CARRIED ON TOP OR SIDES OF TRUCK.

TOP SPACER S REQ.

ET STRAP

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12. A FOOTBATH TO FIT THE LOADING CHUTE

1" x 2" CLEATS SPACED 12" O.C.

2" x 8"

3/4" EXTERIOR TYPE PLYWOOD

8'-0"

13. A SHEPHERD'S CROOK THAT CAN BE HANDMADE

8 1/4"

9 TO 10 FEET

DIA

METAL FERRULE

RIVET THROUGH FERRULE TO HOLD HOOK FROM PULLING OUT

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14. A CONVENIENT, PORTABLE SHEEP-BLOCKING BOX

- FRAMING PLAN
  - IRON STRAP AROUND EDGE
  - LEG DETAIL
  - BUCKLE LEATHER STRAP

- SIDE VIEW
  - YOKE DETAIL

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FEED SPACE REQUIRED

Self-feeders.......................... 1 inch per animal
Hay and grain....................... 15 inches to 18 inches per ewe
Hay and grain....................... 12 inches per lamb
Lambing pen......................... 12 to 16 square feet per ewe
Space under shelter............... 10 to 15 square feet per ewe

Water should be available at all times.