



FIG. 7.—Door showing bevel and bar on outside.



FIG. 8.—Showing clip made of wood or iron to be used where posts are not left in sides.

The parts of the door may be held in place by a 6-inch bar cut to fit the curve and to which each part is firmly bolted (see fig. 7).

The Hoops.

Round or flat hoops may be used. Round hoops in 2, 3 or 4 sections are the most easily handled. They may be joined by means of metal or wooden clips so bored as to admit of putting a nut on the exerted end of the rod, or by passing through the uprights as shown in figure 3.

They may be held in place by wire fencing staples driven in at intervals. When the silo is exposed to the weather, care should be taken that each stave is so attached to two or more hoops.

It will be found necessary to give the proper curve in the hoop before attempting to put it in place. This is most easily done by using a tire bending machine such as may be found in any carriage or repair shop.

Round iron or steel $\frac{3}{4}$ -inch through will be found strong enough for a 20-foot silo.

The hoops should be nearer together at the bottom and further apart towards the top. (See fig. 5.)

The first hoop should be not over 4 inches from the foundation.

The second about 18 inches from the first, and the third 2 feet higher.

The space between hoops may gradually increase to 4½ feet at the top.

Where the silo is built outside, it will be found necessary to roof it in most parts of Canada.

When posts form part of the silo wall they may be utilized as supports for the roof. In cases where posts have not been used, it will be found necessary to erect two or more or construct a frame work from 2 x 4 scantling to carry the roof. In any case, care must be taken to allow an opening for filling.

A CHEAP RECTANGULAR SILO.

When it is not convenient or possible to build a stave silo, a very cheap rectangular one may be constructed by erecting strong (3 x 10) studding around a bay or part of a bay in a barn and lining with one ply good matched lumber one inch thick. Such a silo has been in use at the Central Experimental Farm for eight years and has given good results.