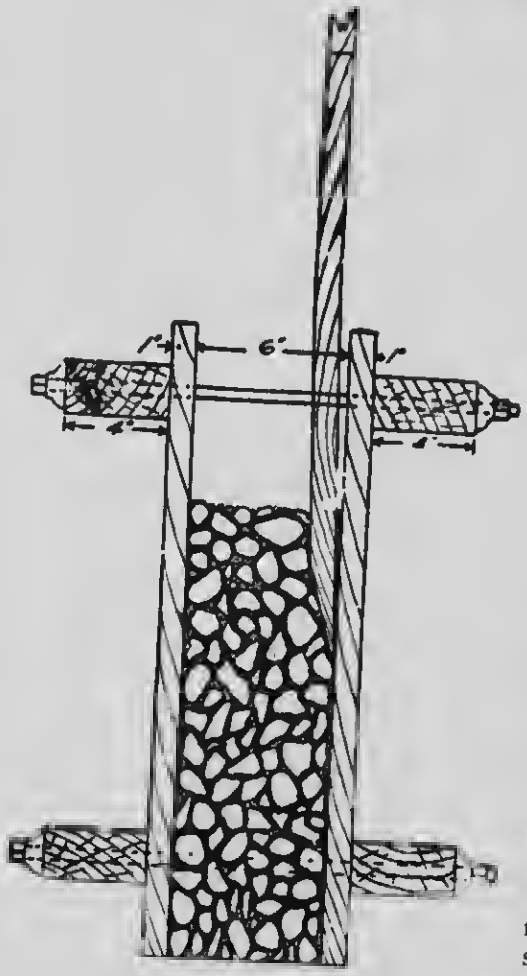
be carefully "spaded" immediately after "placing"—on the side next to the Form where the finished concrete will be exposed to view. By "spading" is meant the working of a spade or beveled board between the concrete and the side of the Form, moving it to and fro, and up and down. This forces the large stones away from the boarding, or Form, and brings a coating of mortar next thereto, thus making the face of the work present an even, smooth appearance.



The Necessary Tools

On certain jobs—as, for instance, in the case of a 6 in. silo wall—you cannot very well use a spade, on account of the narrowness of the concrete section. In this event, use for your surfacing, a thin wooden paddle, made from a board 1 in. x 4 in., and gradually sharpened to a chisel edge at the end. The sharpening should be on one side only, and in using this paddle place the flat side against the Form, as shown in illustration. (See Fig. 12).

When the mixture is a *dry* one, great care must be used in this 'spading' or surfacing, in order to obtain uniform results, but in the case of a *wet* mixture, spading is only required as an added precaution against the possibility of voids in the face of the work, and in many cases it is not necessary at all.

Protection of Concrete after Placing

Green concrete should not be exposed to the sun until after it has been allowed to set for five or six days. Each day during that period the concrete should be wet down by sprinkling water on it, both in the morning and afternoon. This is done so that the concrete on the outside will not dry out much faster than the concrete in the centre of the mass, and should be carried out carefully, especially during the hot summer months. Old canvas, sheeting, burlap, etc., placed so as to hang an inch or so away from the face of the concrete will do very well as a protection. Wet this, as well as the concrete. Often the concrete Forms can be left in place a week or ten days; this protects the concrete during the setting-up period and the above precautions are then unnecessary.