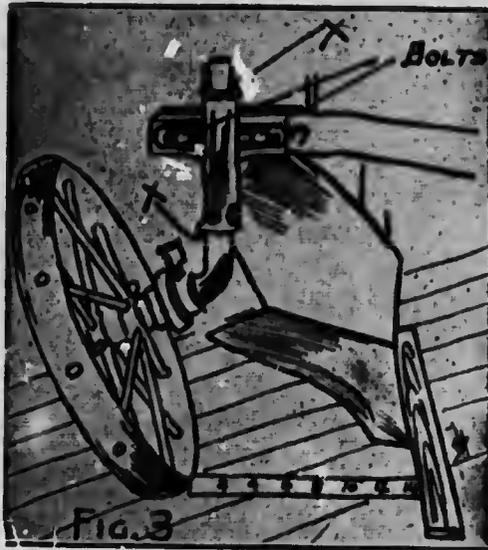


sidering some of the causes of this very common fault we will now proceed to discuss some practical difficulties which experts have to deal with every day. We will take them in the following order:

1. Front plow cutting too wide.
2. Plows not cutting the same depth.
3. Colters not properly set.
4. Ball support moved.
5. Sprung beams.
6. Hitch not right—side draft.

Front Plow Cutting Too Wide

In this enlightened age would you believe that a man would be content to sit on a bag of hay for 10 hours a day and see his 14-inch two-furrow gang plow cut 38 inches? The writer saw it. The man



had not time to visit a "Better Farming Train," which was visiting his town and was actually at the time within a stone's throw. He knew it all. The weeds were four feet high, the moisture had been all evaporated and "cut and cover" would have been a better name for the operation than plowing. (See Fig. 3.)

Wear at the points XX will allow some play between the front vertical axle and the sleeve casting which supports it. The result is the front plow tends to take more "land." The trouble in the above extreme case was that the bolts holding this casting to the frame were both loose. A monkey wrench fixed the plow in two minutes. The plow was all right; was the man behind it? Lay a straight edge along the landslide and measure 14 inches over as shown, some advocate $13\frac{1}{2}$ inches, this will depend on the set of the implement at work. The set of the colter and the hitch will be dealt with in their proper place.