

POONA FURNACE

By

P.C. Patil

Department of Agriculture, Bombay.

BULLETIN No. 43 OF 1911.

POONA FURNACE

(In the Sâtára District)

BY

P. C. PÁTIL, L.Ag.,

Divisional Inspector of Agriculture, C. D.



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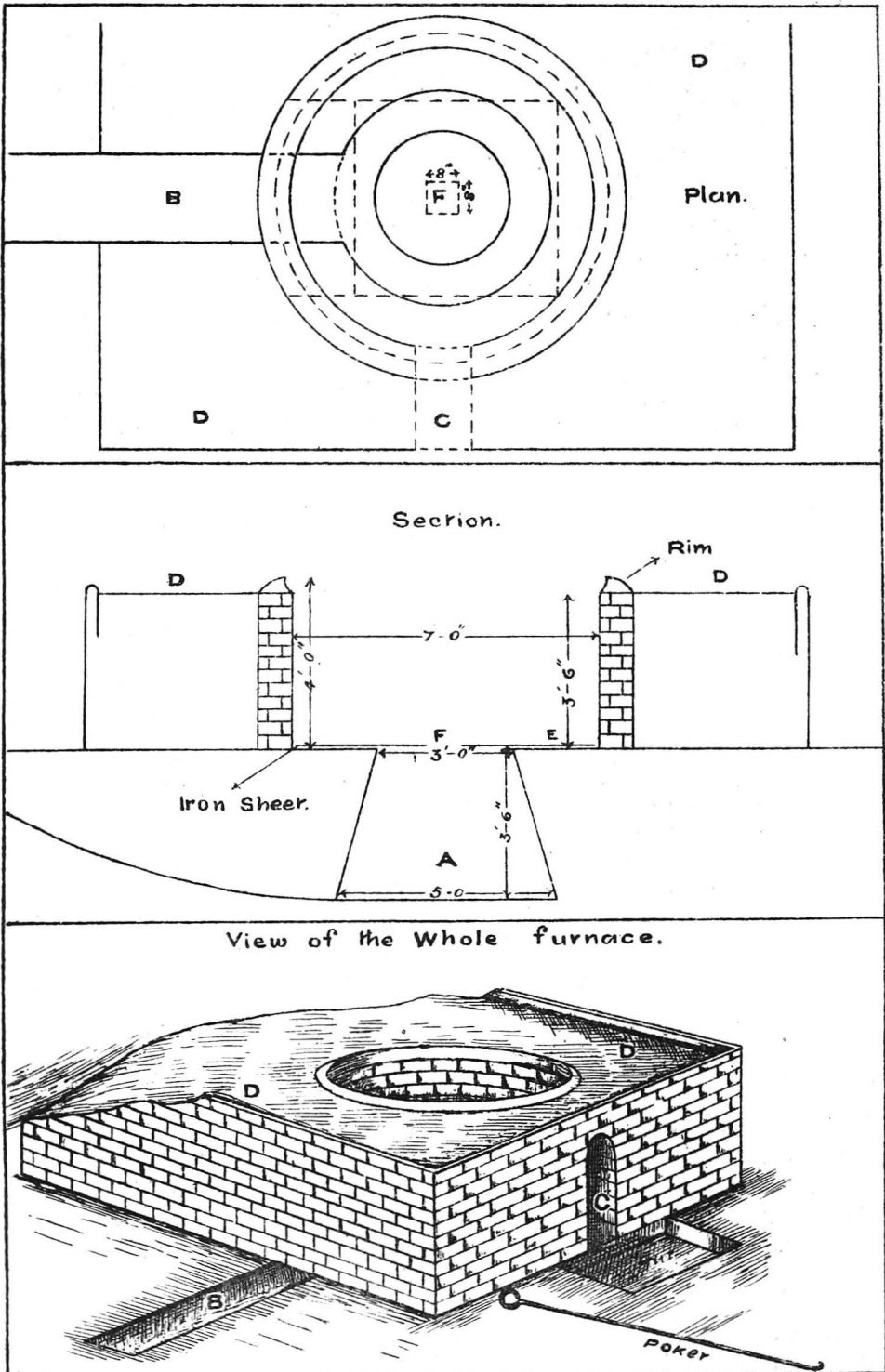
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Poona Furnace.

Fig. I

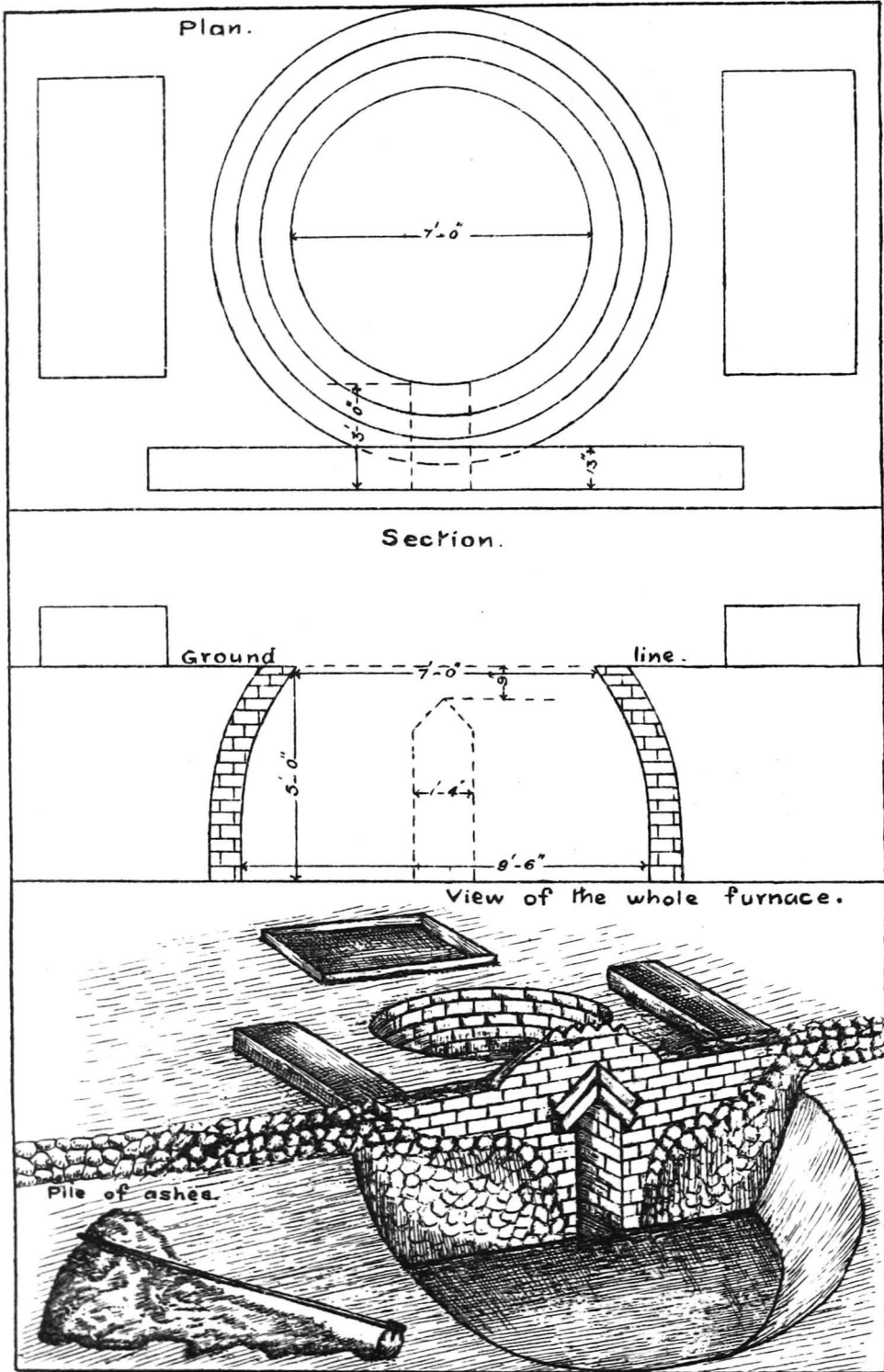


K. R. TUAK.

Scale $\frac{1}{4}'' = 1$ foot.

Safara Furnace.

Fig. II



K. R. Tilak.

Scale $\frac{1}{4}$ " = 1 Foot.

GENERAL REMARKS.

This Bulletin does not profess to explain the most scientific or up-to-date method of evaporating sugarcane juice. It is designed only to show a simple and very economical change which may easily be introduced by cultivators in many parts of the Bombay Presidency, and which involves very little alteration in the present organisation. The facts here mentioned relate to the Sátára District ; but the argument applies with equal or even with greater force to most parts of the Southern Marátha Country, and to many other parts of the Deccan, such as Násik District, where the method of *gul*-making, in general, and the furnace used, in particular, are the reverse of economical, and might be greatly improved with little effort or outlay. For the information of cultivators and benefit of others who may wish to demonstrate the advantages of the Poona furnace, the following resumé may be useful :—

In 1908-09 when the work was first taken up, only a couple of days were spent at each place in order to show the balance of fuel which we had saved by our methods. This time, however, was found to be insufficient ; and we decided to adjust the comparative tests so as to show the saving of fuel per acre of cane boiled, expressed in its money value. This plan was found to work and during the season of 1909-10 this plan was followed. Last year (1910-11) the superiority of Poona furnace was generally recognised in almost all quarters of the Deccan and Southern Marátha Country.

Extracts of opinions of the owners of the canes dealt with, are given in the appendices.