

duced one as No. 89 (see Herb. 195).

September 22, 1919. Spent most of the day at Du Toit's Pan mine.



V-2. Shows piles of mopaine logs used as mine timbers. They are shipped in from Rhodesia.

This timber is very strong and lasts well and is useful for all purposes except for horizontals. It is exceedingly brittle and when used for horizontals is likely to break. If the bark is left on it is said to be very resistant to insects and fungi, but if the bark is removed the beetles eat up the woody portions very rapidly.

The photograph also shows the blue-gum from Kneisna forests. This is used chiefly for horizontals, but rots out rapidly.

S.P.I. 48769, Gayania sp., a rather attractive low plant. Forms rosettes and numerous orange-red flowers 1-1 1/2 inches across.





V-3. A Boer wagon with a typical cover extending only over the rear portion.



V-4. Wagon hitched to a team of thirty-six burros.





V-5. Shows the oxen yoke of the type generally used in South Africa.



V-6. A general view in the market, showing an ox team of 16 oxen. This is the usual number which constitutes a team in South Africa. The market square is filled each day with these oxen and burro teams.



September 24, 1919. Out early to take photographs.



V-7. Shows typical burro team hauling wood into the market.

V-8. 14 inches of soil above the rock. Soil red, rock grey.

We then went to the dumping ground of the Du Toit's Pan diamond mine.



V-9. Shows the small iron carts in which the diamond dirt is brought from the mine. It is dumped out on fields to a depth of about 18 inches.





V-10. A general view over one of these diamond fields. The rock or "blue dirt" is at first in rather large chunks. This field is three miles across and covered to a depth of 18 inches with blue ground.



V-11. Another view of a 5-mile field of blue ground.



This blue ground is allowed to weather from 6-18 months. It is harrowed regularly and watered, provided there is no rain. At the end of this time the soil is gathered up and taken to the washers. The handling of the soil at this stage is practically the same as in agriculture, the object being to slack out the larger lumps into fine soil.

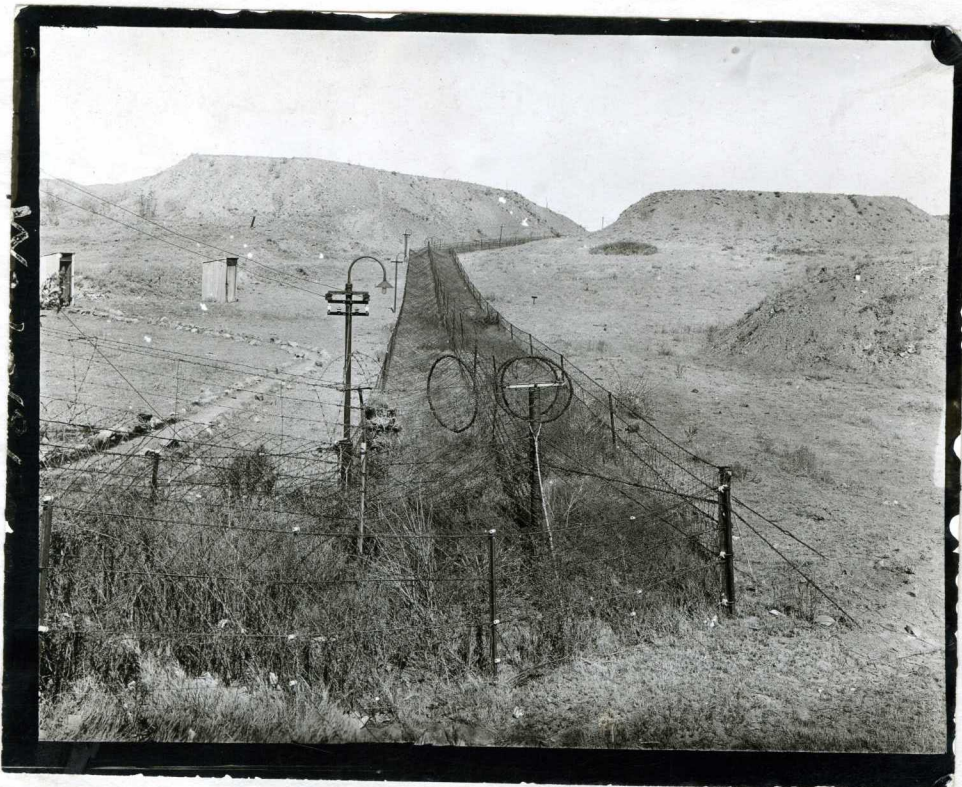


V-12. Miss Phyllis Coen, of 219 Du Toit's Pan Road, Kimberly, C.P. Shows the type of dress worn by children in Cape Province.





W-1. Three children, also gives some idea of the type of fence used around some of the better homes in Kimberly.



W-2. The barbed-wire entanglements which surround each compound. This entanglement is electrified and is supplied with an