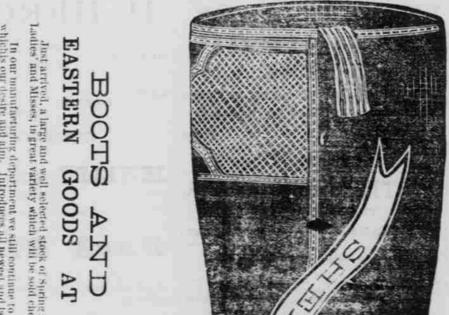


miles wide, choked with islands. At the cataracts, where the river breaks animal and vegetable matter. These through the coast mountains, the stream are the component parts of every good narrows to 500 yards or less: then soil, and on their right proportion despreads out into a broad stream from pends its fertility and adaptiveness to two to four miles wide with a current the growth and maturity of its producflowing about three miles an hour. The tions. A soil peculiarly adapted for volume of water discharged is enor- wheat has the following porportions of mous; Captain Tuckey's estimate- earths to the 100 parts, viz: carbonate 2,000,000 cubic feet a minute-is proba- of lime, 28; silicia, or sand, 32; alumina bly not far from the truth. At its or clay, 28; and animal or vegetable matmouth the Congo is a thousand feet ter, 11. That these elements enter deep, and the water has been found to largely into the formation of plants be perfectly fresh nine miles from the grown upon them has been proved by coast. For forty miles out the sea is experiment, and these substances are perceptibly freshened by the vast vol- found, with few exceptions, in about ume of fresh water poured into it. The the same proportions in which they extide is felt as far as the first cataract, ist in the best natural soils. In the 140 miles up the river. In its lower analysis of different plants and seeds it course the river spreads out into exten- is found that 100 parts of ashes made sive swamps covered with mangrove from the following substances, well and palm trees. leached and consequently freed from all



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The "Order of the Baried Alive" is the least known and most strict of | In ashes of oats .... 68 the Roman Church, and its very existence is generally unknown. There are only about thirty sisters now belonging to it. One rule is that the sisters never see each other's faces; they always wear a thick veil which covers them completely, and in which they are buried when they die.

There was a man in Yorkshire, Eng- vailable elements in the soil is very land, says Robert Collyer, who went to great. the preacher in charge of the circuit and told him he wanted to preach. He was given an opportunity in a certain It is a very singular fact that the school-house. His text was "I am the shark is always preceded by a pilot fish, light of the world;" but he made a which actually performs the part his dreadful fist of it, greatly to the indig- name indicates. This is a well-estabnation of an old lady, who, in her im- lished fact, tested again and again by patience at last should out: "If thou's sea captains. These fish attend the the light o' the world, thou needs snuf- shark everywhere and carefully direct

life motions.

In ashes of wheat. .48

In ashes of barley .. 69 In ashes of rye.....63

heir salts and soluble matter, yield: Silicia. Lime. Alumina. t. 48 37 15 Since then our chemists and practical men have learned that certain substances when applied to the soil, produce certain effects upon other substances in the soil and fit them for plant food; that, for instance, the action of lime as a manure is very slight, but that its chemical action upon otherwise una-



# Etc.,

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