

BUTTONS FROM TIN CANS.

BUTTIONS FROM TIN CANS For instance, old tin cans are melt-ied to be moulded into buttons, covers for luggage, and toys for children, which sell throughout the world at Christmas time. Discarded shoes and rubbers, also soraps of leather, have become of value in manufacturing, var-lous substances. Not a single bottle or other pieces of glass need be thrown away, for mixed with certain kinds of earth and sand, it makes an excellent artificial stone for buildings. Not so long ago dead animals were burled, as it was not known that their bones, hide, and even parts of the intestines were of use. Much of the inflammable composition in the lucifer match is now obtained from such bones. Even the sweepings of the street pavement, containing as they do particles of horseshoes and other metal, are worth gathering; while the bits which fail from the horse's hoof as it is being from the horse's hoof as it is being shod by the maker make a most valu-able dye when mixed with certain chemicals and metal scraps.

USING THE SMOKE PALL

Over nearly every large city, especi-Billy such centres as London, Birming-ham, and seats of other great coun-tries, are enormous clouds of smoke, which so frequently darken the at-mosphere that even at moontime it is necessary to have lights in the build-ings. Yet this smoke, if properly treat-ed, can be actually dissolved into sev-eral most useful elements—and the in-

dispels all darkness, the Pen-Angle trademark disperses the which enshrouds the Pkn-Angle garments fit best, wear longest are unskrinkable, and

guaranteed.



BAYNE COMES

UP THIS WEEK

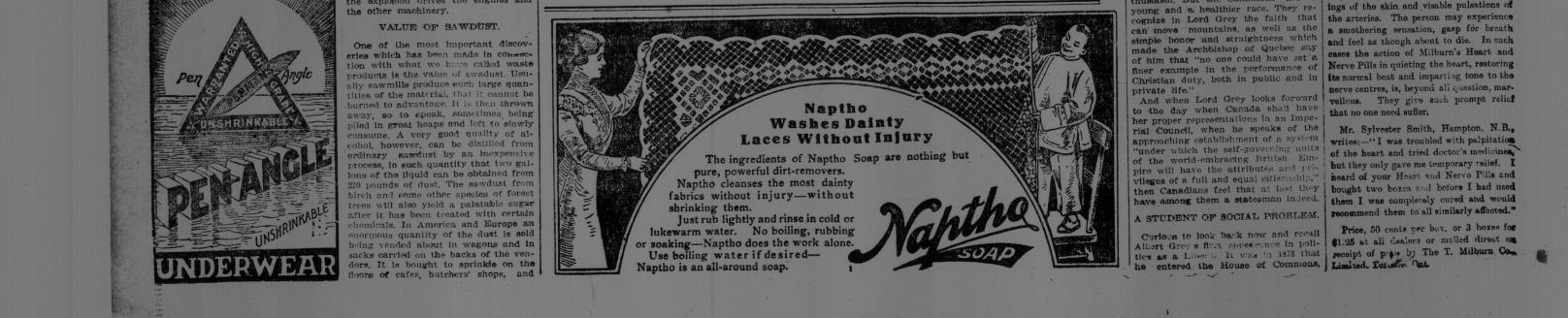
CAN'T NEVER GO BAREFOOT NOR NUTHIN'.

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STRONG SLAG BRICKS.

STRONG SLAG BRICKS. Slag brick is stated to be quite as strong as ordinary bricks, and much less permeable to molsture. To make 1,000 bricks, 6,000 or 7,000 pounds of granulated slag, and from 500 to 700 pounds of burned lime, are consumed. Good bricks also can be made from granulated slag mixed with dust from slag, though the hardening process is rather slow. Slag is also used for steampipe and boiler wrappings, in which form it is called "silicate of cot-ton." Coal slag is a good structural material; mixed with slaked lime, it stiffens into a mass weighing from fifty to one hundred pounds per square inch. Basic slag is used in large quantities by manufacturers of fertilizers, instead of phosphate rock. The greatest metal industry in the world, which is now being built in In-diana, forming an entire city in itself, is provided with iron smelters from which the gas as it rises will be re-turned to the fires benealth the ore and used for heat. By this system the cost of coal to smelt the ore will be about

of coal to smelt by this system the cost of coal to smelt the ore will be about one-half the expense if the gas were not secured as stated. Waste gas has been utilized by inventors for the di-rect operation of engines so large that



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once asked what quality seemed to him to be most necessary to a great man. He closed his wise old eyes for a few moments and thought. Then he opened them and said: "Falth." The answer surprised several of the little knot of listeners grouped around him, but no one who had examined the characters of great man can doubt that it was profoundly true. All who have left their mark upon the world's history have had implicit, unquestioning faith. Some believed in God, some in a cause, some in a country, some in themselves. But all believed with a forvent certainly in something." With out faith ye can do nothing." That splains why: our modern politicians get so little done. To the great man, however, another quality is indispensible besides faith. That quality is indispensible besides fort to bring down something of its rare and stimulating beauty into everyday life.
FAITH-AND ENTHUSIASM. In how few men are these qualifies. The age since to help him in obtaining a charter for Rhodesia. Lord Grey (he had succeeded to the title in 1894) was just the man. Afterwards he became administrator and a trustee under Rhodes' will. Went these governor generalship canada and the seame administrator and a trustee under Rhodes' will.

