

UTILIZATION OF INDIANA KAOLIN.

WILLIAM N. LOGAN—Indiana University.

Extensive beds of kaolin exist in Lawrence and Martin counties in the horizon of the Huron formation. The kaolin has been mined and utilized to a limited extent only. Its abundance and quality justifies a more extended use. Attempts have been made to use it as a substitute for southern kaolin used in Indiana in the manufacture of encaustic tile. The lack of bonding power is evident from the cracks and crazes which occur in the burned ware. The writer undertook to find a clay which might be mixed with the kaolin for the purpose of supplying bonding power and tensile strength. Mixtures of pottery clays and Indiana fire clays were made and the objects burned. It was found that tile could be manufactured successfully out of the kaolin when from 25 to 40 per cent of fire clay was added.

