

60-18801

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ON THE PRODUCTION, GASIFICATION, AND
SMELTING OF IRON-RICH COKE IN THE MAKING
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Order from SLA m\$1.80, ph\$1.80 60-18801

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[no. 45/46] p. 1090-1094.

Full-scale trials have shown that the combination of the production of iron-rich coke from suitable kinds of ore with the gasification and smelting of iron-coke offers the coking industry a new and economic method of making more rich gas available by the substitution of lean gas. The pig iron, which is simultaneously made, considerably reduces the cost of producing gas for under-firing. The valuable by-products are recovered. There is no effluent containing phenol, and the gas produced is free from tar and resin-formers. By using gas-coal fines and iron-ore fines, a lumpy iron-coke is made, and this, when smelted in the Thyssen producer, gives pig iron and producer gas.

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