

**STEEL PRODUCTION OF THE UNITED KINGDOM.**—The Iron and Coal Trades Review says: The total output of open-hearth steel ingots in the United Kingdom in 1901 was 3,297,791 tons; compared with 3,156,050 tons in 1900 and with 3,030,251 tons in 1899. The increase of output in 1901 over 1900 was 141,741 tons, which is not equal to the advance made in some previous years, but is, nevertheless, above the average of the last ten years. The greatest advance in 1901 has been attained in South Wales, where the output was 738,854 tons, against 550,568 tons in the previous year. The Sheffield district has also increased its output from 257,234 tons to 309,999 tons.

The make of basic steel ingots by the open hearth process does not make nearly the same progress in the United Kingdom that it does abroad. The total output of basic openhearth steel in 1901 was 351,177 tons, whereas the total output of acid openhearth steel for the same year was 2,946,614 tons. The preponderance is on the other side in both Germany and the United States.

In the following table are represented details of the British make of openhearth and Bessemer steel ingots for each of the last six years:

| Year.    | Openhearth<br>Tons. | Bessemer<br>Tons. | Total<br>Tons. |
|----------|---------------------|-------------------|----------------|
| 1896 ... | 2,371,555           | 1,815,842         | 4,133,397      |
| 1897 ... | 2,601,806           | 1,884,155         | 4,485,961      |
| 1898 ... | 2,806,600           | 1,759,386         | 4,565,986      |
| 1899 ... | 3,030,251           | 1,825,074         | 4,855,325      |
| 1900 ... | 3,156,050           | 1,745,004         | 4,901,454      |
| 1901 ... | 3,297,791           | 1,606,253         | 4,904,044      |

The production of Bessemer steel rails in the United Kingdom in 1901 appears to have been much under the average of previous years and is the smallest, with only two exceptions for the last twenty years.

**ALUMINUM.**—No. 1 ignots for re-melting (99 per cent. pure)—ton lots, f.o.b. works, 33 cents per pound; No. 2 ignots for re-melting (95 per cent. pure), 31 cents per pound; nickel aluminum casting metal, 33 cents per pound; special casting alloy, 27 cents per pound; rolled sheets, 37 cents per pound.

**A SAFETY APPLIANCE WANTED.**—The United States Consul at Roubaix, France, reports that the numerous accidents to workmen in establishments where belts are used has recently brought about the stringent application of a French law, forbidding the removing or replacing of a belt by hand while the machinery is in motion.

In order to obviate the waste of time consequent upon the stopping of the machinery, an association of French manufacturers has announced an open international competition for the best fixed belt mounter.

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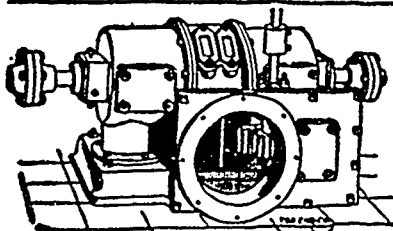
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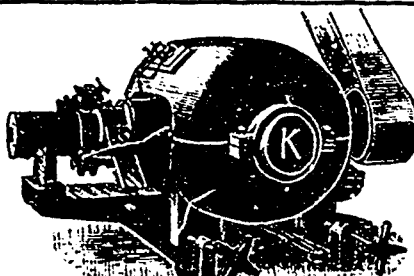
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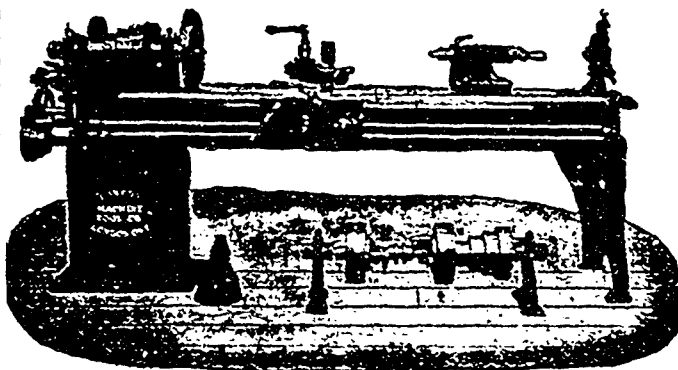
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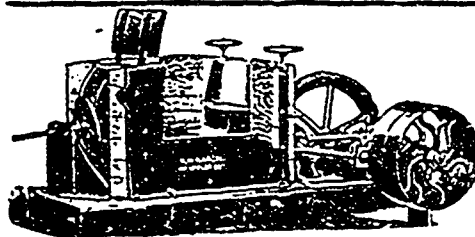
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