

ELECTRICITY IN THE SAW MILL.

The part electricity takes in the modern power plant for most any kind of service is becoming so general as to excite little comment, but saw mills generally seem to fail to appreciate that it is capable of a much wider range of usefulness than merely to furnish light. It is the purpose of this communication, writes S. S. Ingman, in the *Wood-Worker*, to briefly describe how it is employed in the plant of the Atlantic Coast Lumber Company, Georgetown, S. C., as an illustration along this line.

This company operates four band mills now, two single, one double with a resaw, and one double with gang, all double-cutting bands. The combined capacity of these mills is close around half a million feet of boards daily of what is known in the New England markets as "North Carolina pine," or what is termed here as sap or spruce pine. The electric plant consists of four 45 k. w. and two 400 k. w. 250-volt direct-current dynamos, the

four 45's being driven by a 225-horse power Reynolds-Corliss engine and the 400's each by a direct-connected Harrisburg "Ideal" engine of 150 horse-power each. The combined electrical horse-power at normal rating is over 300, and capable of 50 per cent. overload for long periods, or 100 per cent. overload for short periods.

Besides lighting the mills, machine shops, foundry, car shops, planing mill offices and store rooms immediately connected with the mills, the company lights an immense store, probably one of the largest in the state, a large hotel, and several buildings in which officials of the company reside, and drives by means of motors the machine shop, pattern shop, foundry, car shops, planing mills, etc., all the file room machinery and sorting rolls in the sorting sheds, also a device connected with the kilns for moving the cars in the kilns, and by means of four trolleys distributes all the product from the kilns to the sorting sheds and to the loading wharves, and disposes of

the refuse in excess of fuel requirements.

These trolleys are immeasurably superior for this service to the steam locomotive, are quicker and easier handled, and I believe will do from 25 to 50 per cent. more work without the danger from sparks, the trouble and expense from petty repairs, and requires a great deal less skill to handle. The expense to install will compare favorably with mechanical appliances for these purposes, with operating expenses reduced in the majority of cases, if not all.

THE STANDARD LOG.

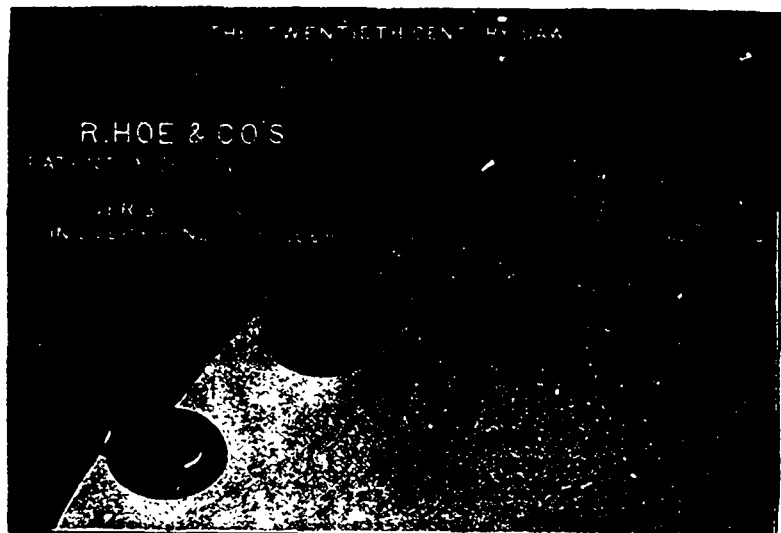
For the benefit of one of our subscribers, it may be explained that the standard referred to in last issue in connection with Mr. Booth's large load of logs is the "standard" log as known in the Ottawa valley. This log is 20 inches in diameter at the base, and the six logs on the load taken in the aggregate were equal to fourteen "standard" logs. There is no reference to the St. Petersburg standard of lumber measurement, fourteen of which would give a total of 27,720 feet B. M., instead of 17,720, as stated in the communication sent us.



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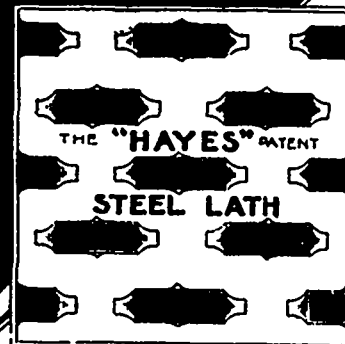
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