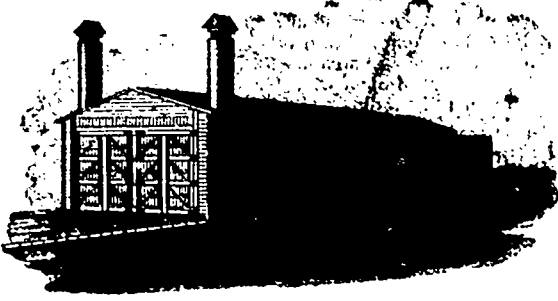


A MODERN DRY KILN.

Dry kilns having become solidly established in the estimation of all progressive lumbermen and manufacturers, the problem of choice confronts those who are about to put in new kilns, or replace old and unsatisfactory ones. The following brief description of the Standard kiln is here given for the benefit of such as



THE "STANDARD" DRY KILN.

are not yet aware of the strong, practical features of the method employed in this kiln.

The makers of the Standard moist air dry kiln have

had full experience in the manufacture of other drying systems, and emphatically claim for their process many important advantages over the old types. They back up these statements by a rigid guarantee to all buyers, who thereby take no chances. The Standard is warranted to dry any and all woods without warming, checking or other kindred injuries; and to do this in less time than is possible in other kilns. It can be regulated to exactly fit the drying requirements of any lumber, and dries hardwoods and shingles equally well.

The appearance of the Standard kiln is shown in the accompanying illustration, but an explanation of the process will be interesting to dry kiln users. One of the good points of the Standard moist air system is the entire absence of engines and machinery complications, which at the start cuts off a large item of repair expense. Green lumber entering the receiving end of kiln is enveloped by hot moist air, the dampness of which prevents the stork from baking, warping, case-hardening, etc. On the contrary, it softens the surface of the wood and opens the pores. The heat penetrates at once to the heart of the product and begins the drying there. From centre to surface is the way the Standard does its work, and every lumberman knows this to be the only sure method of perfect drying.

The cars advance stage by stage through the kiln, constantly finding a higher temperature and less humid atmosphere. Once the kiln is filled, this process becomes simple and continuous and entails no more labor and attention than to merely load and discharge and keep up the steam supply. Outside atmospheric conditions, it is claimed, cannot affect the operation of the Standard, because the construction of the kiln makes impossible the entrance of drafts of cold air, except through the air duct where the inflow is regulated to maintain the desired circulation. It is a kiln that can be operated without halt day after day.

The equipment of the Standard is first-class in every particular. The heating apparatus is as nearly perfect as possible, the pipe being especially made for this purpose out of selected stock and carefully worked. It is heavier than regular pipe and each individual length is tested to a pressure of 600 pounds. Long, heavy couplings are furnished, and the heavy cast iron headers give four times as much metal for threads as is secured in the usual pipe header. The Standard system of piping affords extraordinary provision for expansion. From these facts it will be understood that leaky joints are almost an absolute impossibility in the Standard kiln. Nevertheless, all pipes and joints are

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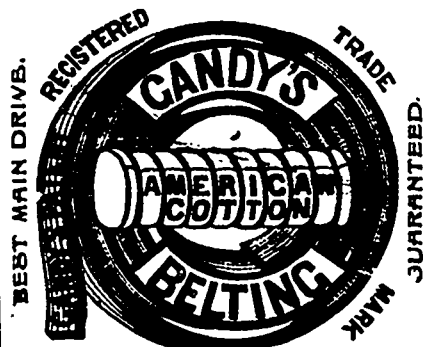


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