SOME BOILER EXPERIENCE.

T hardly seems possible that too much prac-tical information can be cited on the ques inn of handling boilers, and especially when this is in the line of personal experience. An inspector sends to the Locumotive the following notes :

First, and more particularly, I wish to mention a case I met with recently, in which oil caused a deal of tropiale. There were eight boilers in the bottery, each 60 inches in diameter and 16 feet long. They were all connected together, and were supplied with feed-water through an open heater. In the course of time a new compound condensing engine was put in, in addition to the one they already had. This left only a part of the work for the old engine to do, which caused her valves to rattle hadly. The second engineer used oil very freely to stop the noise The result was that inside of two weeks all of the eight boilers began to leak at the seams next to the bridge walls, the leaks being noticed in all of them on or about the same day. An inspection was made, and tallowlike lumps were found standing on the fire sheets over the grates, quite thickly. A sort of glutinous dirt was also found all along the water line and around the opening to the dome. Water was coming out of the hoilers in sheets between the rivets, when they were shut down; and, take it altogether, it was the worst case I ever saw. I expected to have to ne of the seams rivetted over, sure but I had the boilers cleaned out at once, and put five pounds of rice in each one. I then looked after the heater to see that the trouble there was stopped, and in a few days the boilers were right again. This certainly was the worst and most remarkable case of the kind I have ever seen. The engineer i an excellent man, but the best get caught with open heaters sometimes. He had used this heater for six years, and knew all about it.

I want to refer, next, to boilers with manholes under the tules. I find that engineers having charge of boilers of this kind are apt to do all their cleaning from below, through the lower manhole. Many times they do not open the hollers on top, and so, before they know it, the hoilers are in had condition above the tubes, and perhaps filled up with incrustation between them. I find it very important out this way, that they should open on top, as it is impossible to wash the dirt down from the top by doing all the washing from the under side of the tubes.

Bridge walls are giving some trouble, too, in this neighborhood, for the masons set the bridge walls and grates up too close to the hoiler, and this cames trouble, especially when the hoilers are pushed beyond their fair capacity. I wish we could educate some of these masons out of the notion that a bridge wall st conform to the shape of the hoiler, regardless of what the damage is. I have tried, as much as pumible, to overcome the belief. I tell them a bridge wall is only for the purpo of keeping the fire from working luck off from the grates. I have more boilers broken and lagged from filling up on top of bridge walls than in any other way. It is hard to get most engineers and brick masons to understand that the hear does not have to be forced up, but that it ought to be distributed as evenly as possible all through under the bottom of the luniler.

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