timbers are omitted in the abutment, and under the apron; but here the concrete, instead of being as average depth, is 6 ft, deep with nucleostraps for bers extending to the bottom.

No indications of springs were of erveil durwas thought best, however, in view of possible dspring water or under leakage, to insert in the iron tubes, 20 ft. apart, alternating on opposite throughout the length of the dock. The lowthe gravel below the concrete, were left open, truding above the concrete, were litted with vopening upwards. There has been no flow f

A line of sheet piling surrounds the entire 26 ft. from the coping. The sides of the deverse frames 4 ft. apart from centre to cent to the line of sheet piling, and made uppine main brace or rafter abutting at its timber and stringer already described, \$\pi\$ coping; a cap of 12 in. square pitch preping to sheet piling; brace and rap reapart, all three parts of the system bein tie of pitch pine, firmly bolted to them term, like an ordinary collar beam.

These transverse frames are come is built up of three heavy pieces of platerally by the altars. The altars from a stick 11 in, x 14 in, by rij corner, but entiting each 14 in, side are bolted with an oblique face reside uppermost and horizontal, a coping, and covering by that 'une continuous steps, ascending from 11 in, tread, is thus formed are dock, admitting of convenient

The entrance works differ s the body. Six lines of trans the floors to the main outer the apron, two at each sill, abutment. The concrete for and the sides or walls are brand 2 feet thick at coping are covered by two thicks course is thoroughly cault

The transverse floor tirthan the corresponding floor is formed by six k and backed up by heav the main floor timbers.

There are two pos...
four heavy pieces of oak rabbettea a...
a step or offset, that runs across the floor and up a...
the weight and thrust of the gate when in position. The top a
of 6 in, timber are rabbetted into and are flush with the sill timber.
There are no grooves, and the chances of troublesome obstructions are
consequently much lessened. The offsets are fitted with stout rubber
gaskets, against which the gate bears and forms a water-tight joint.