

ried out, will be second only to the hydraulic and dock one, in point of extent, and facility afforded for exchange of cargoes. It comprises a solid wharf 200 feet in width, raised 10 feet above summer level and running in the form of a horse shoe or magnet, surrounds the shoal on the inner, upper and outer sides, leaving the lower side open. The outer side of the wharf in its entire length, will rest in 20 feet water, and be made up of solid crib work, built and protected in the most approved manner, the cribbing on the inner side, will rest in 10 feet water, bordering on an inner channel dredged to that depth, for the use of the river craft—the space intervening between the internal and external cribs, of 164 feet in breadth, will be filled up to the level of the wharf by the dredging from the various channels, and securely planked over.

The construction will commence at the upper end and proceed downwards as required, forming when completed a deep water wharfage of 4719 feet, with river or 10 feet water wharfage of 4095 feet the superficial area will amount to 868,000 square feet, furnishing a road of 50 feet in width around the entire wharf and 150 feet in width for service ground. This space (within the letters A B C D E F I K on the plan) will give 44 lots of 75 feet by 200 feet, each, in the event of the road being placed in the centre of the wharf; or, 22 lots 150 feet by 200 feet each, should the location of the road be on either side.

The cost will amount to about \$613,396, being \$0.71 per square foot, or \$141.33 per running foot; this amount though large in the aggregate, is the cheapest in proportion to the extent of accommodation furnished, of either of the plans devised.

In another plan estimated, the width is reduced to 150 feet, with the same extent of wharfage as the previous one—the amount of the estimate is \$487,392, with a superficial area of 651,000, at a cost per square foot of \$0.75, and \$112.30 per lineal foot.

A third plan, still further reduced in width to 100 feet, but with the same length as before, costs up to \$410,708, and an area of 434,000 square feet, making each foot cost \$0.93, but with a diminution to \$94.63 per running foot.

Another modification is to embrace only that portion of the plan within the letters A B C D, making it 240 feet in width, and dredging the channel exterior to it to 20 feet instead of 10 feet as in the previous cases; this channel would take the place of that previously