

Engineering

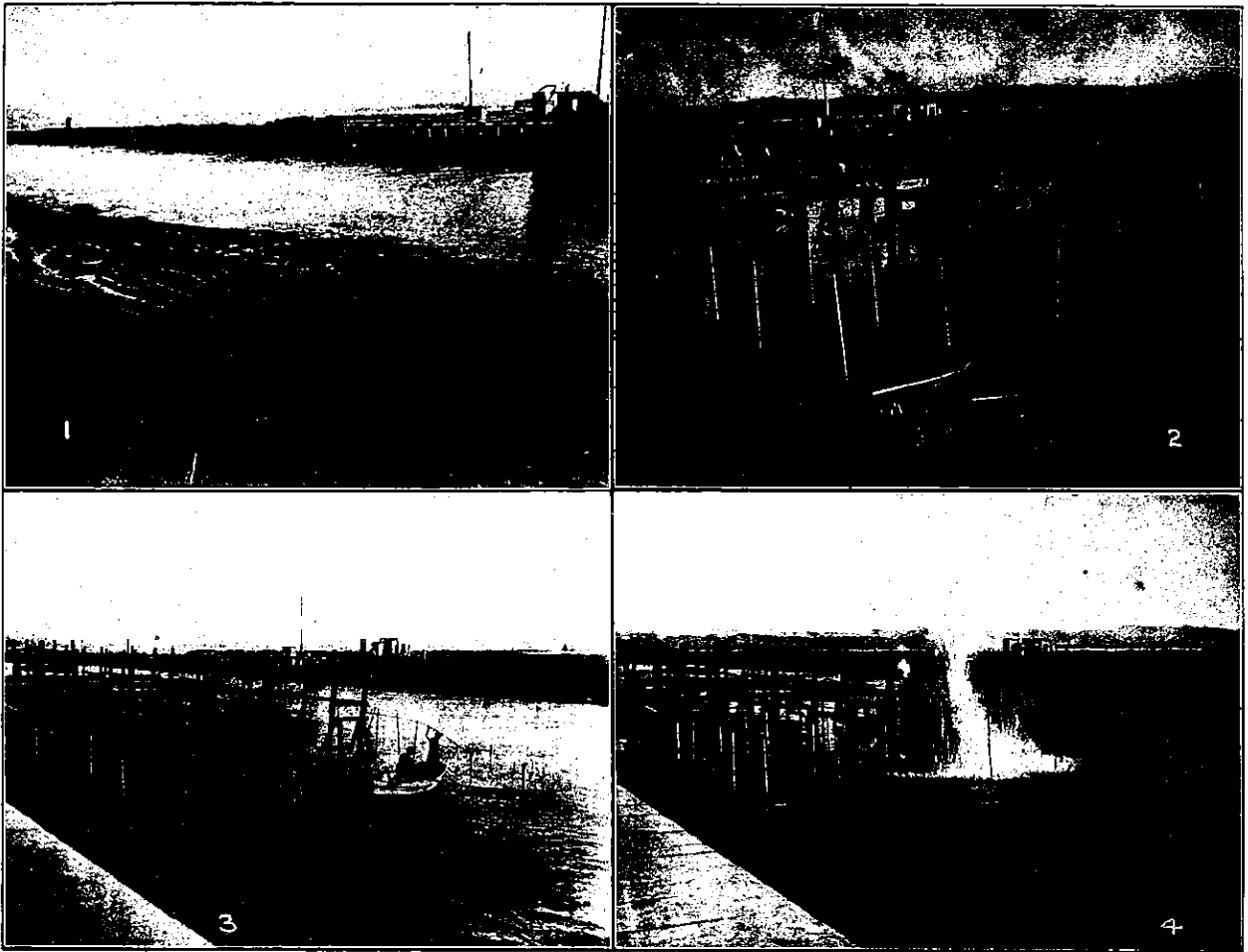
The Use of Explosives Under Water

Methods in use at Gisborne

The subject of explosives and explosions has always more or less a fascination for the ordinary man, and although most have a vague idea as to how

latest methods employed in this class of work, we have secured photographs and a detailed description of the extensive works now being carried out at Gisborne.

The work here consists of removing a papa reef which at present seriously impedes the easy working of the port, and without dwelling on the magnitude



1—The Reef at Low Tide before Blasting. 2—Drilling on the Stage. 3—Placing Primer in Bore-Hole. 4—A Shot Fired

explosions are brought about during the course of mining work on dry land, few individuals, otherwise well informed, have the remotest idea as to how the same results are brought about when the work has to be carried out, not only under water, but out of sight.

In order that those of our readers who are interested in such subjects may be informed as to the

of the undertaking we will confine ourselves to a description of the methods employed.

In the first place the problem presented was a more or less unusual one, for the reef to be operated upon was neither dry nor was it always water covered, in fact it was a tidal reef.

This meant that the usual method of working, viz: from floating pontoons was impracticable, and