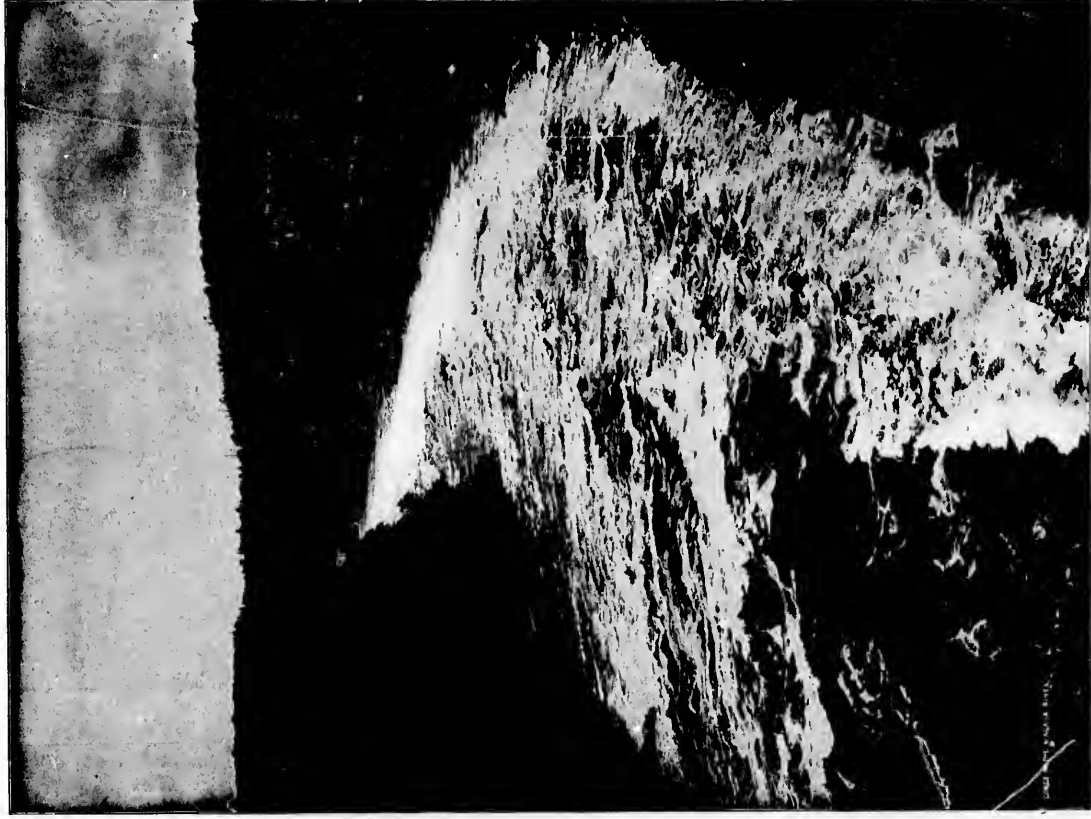


A PROFILE OF AMERICAN FALLS.—American Fall properly comprises two precipitating noods, for the succum, as it approaches the fearful brink, is divided by Luna Island and goes tumbling with increased velocity over the ledge at Centre Fall, on one side, and American Fall on the other. At the point shown in the picture above, the sheer descent is one hundred and fifty-nine feet, and the width is eleven hundred feet. The amount of water thus precipitated is computed to be two million five hundred thousand gallons per second.



GORGE OF THE NIAGARA RIVER.—Seven miles of the wildest beauty encompasses the river after it plunges from brink to bottom of the precipitous chasm. The Gorge of Niagara River extends from the Falls to Queenstown, seven miles below. In the course of its monstrous tumbling, without winding it has an additional fall of 100 feet. The Gorge itself, worn through by the ceaseless roar of the cataract slowly retreated, is for the most part a perpendicular mass of rock. The chasm is winding, and at one point makes an abrupt turn to the right, and in this angle is found the famous Whirlpool. The Gorge is a perfect mine to the geologist, for here ready at hand is outlined on the eternal page of Nature the formation of the rock, a study of which tells the story of the Falls.