

and Canada. It is a waste of race-material for such races to attempt to colonize countries which are unfavorable. Prof. Virchow makes out the order of adaptability to be, first, the Jews, then Spaniards and Portuguese, etc., then the southern and the northern French, and lastly, the Germans. How far choice of food, habits, occupation, etc., explains the remarkable immunity of the Jews is an interesting problem.

"THE MICROSCOPE OF THE FUTURE."—Dr. Carl Zeiss, of Jena, about three years ago discovered a new glass, which gives more perfect objectives than were possible with crown or flint glass, and now that, through the liberality of the German Government, the experiments are completed and the lenses are being manufactured, there has arisen a chorus of praise from the scientific men who have seen them. The new glass consists of borates and phosphates and contains fourteen elements, whereas the crown and flint glass previously used contains only six. The new lenses seem to surpass all expectations. "The images are of wonderful clearness," and in the study of disease germs, which of late years has assumed such great importance, it is hoped that the new objectives will supply a great need in revealing details of structure by which germs closely resembling each other, may be distinguished.

MAPS AND FACES BY TELEGRAPH.—The *London Illustrated News* for March gives an account of a very ingenious method of reproducing outline drawings at distant parts by means of the electric telegraph or any signalling apparatus, which has been invented by Mr. Alex. Glen, of England. Upon a piece of paper, ruled in five squares, the design to be transmitted is drawn. The horizontal lines are numbered or marked a, b, c, d, etc., and likewise the vertical. By means of these letters the sender can indicate to the receiver any point upon a similarly ruled paper. Point after point may thus be indicated and connected by lines until a drawing is completed. Different degrees of shading can be denoted by letters, so that in a portrait the hair, eyes, eyebrows and mustache can be