



Fig. 44. SHEPHERD'S HUT NEAR SCHOR-KÖL.

With regard to the two natural canals, on 3rd October the breadth, mean depth, mean velocity per second, and volume per second in the three branches of the eastern canal were respectively — (1) 3.40 m., 0.77 m., 1.21 m., and 3.17 cub. m.; (2) 4.40 m., 0.74 m., 1.25 m., and 4.35 cub. m.; (3) 1.56 m., 0.56 m. 0.83 m., and 0.73 cub. m.; and in the western canal (4) 2.35 m., 0.79 m., 1.18 m., and 2.2 cub. m. Thus the total volume amounted to 10.45 cub. m. in the second. Now besides these two canals the river was evidently joined above Kuruk-asti by several other contributaries from the Schor-köl; but owing to their being so effectually masked by the reeds and bushes, they had escaped my observation. At least I am led to infer there were such from the results of the measurements which I obtained at Kuruk-asti on 2nd October, when the volume was 45.41 cub. m. (the breadth being 52 m., the mean depth 1.400 m., and the mean velocity 0.6238 m. per second), whereas the immediately preceding measurement, made on 30th September, had given a volume of only 21.15 cub. m.



Fig. 45.	Left.	2.20	2.71	1.29	0.80 = depth.	Right.
		72	54	54	59	} velocity.
		71	86	69	49	

Breadth = 52.00 m. Kuruk-asti, October 2. Scale 1 : 500.