

been translated as if they were in the dative case. The expression is the ordinary form in the ablative. Nor are *alæ primæ Tampianæ* in the dative. They are in the genitive after *decurioni*.

Reburrus, the son of Severus, a Spaniard, a decurio of the first ala of Pannonians termed the Tampian, is specially named, as one of those to whom the privileges of *civitas* and *connubium* were given, because this revised copy belonged to him, and was made for his use. The original at Rome gave the names of all those to whom the privileges had been ceded; in each copy made for an individual, only his name was given, with occasionally the addition of the names of his wife and children. The seven names (omitted in my extract), with which the inscription ends, are those of the witnesses who attested the truth of the copy. On this subject, *vide* Marini (*Att. de Frat. Arv.*, ii. p. 433); Platzmann (*Juris Romani Testimoniis*) Morcelli (*de Stil.*, ii. p. 309); Borghesi (*Att. Acad. pont. Archæol.* x. p. 131); Cardinali (*Diplomi Imperiali*); and Henzen (*Rhein Jahrb.*, xiii. p. 98.)

FORMATION OF ICEBERGS AND TRANSPORTATION OF BOULDERS BY ICE.

BY JOHN RAE, M.D.

Read before the Canadian Institute, 29th January, 1859.

Having spent seven summers and two winters on the Arctic coast of America, although I did not particularly devote my attention to the phenomena connected with ice, I could not fail to notice some of the more remarkable aspects peculiar to such latitudes, especially as regards its formation into icebergs, and its power as an agent in carrying boulders and large masses of rock from one locality to another. Some notes of the results of such observations, slight as they are, may possibly be of interest to the members of the Canadian Institute, as embracing conclusions arrived at on the spot. In thus treating of these subjects, I may be repeating observations already set forth by others. If so, I must plead as an excuse, my ignorance of the fact, and my readiness to give way to any prior claims, if such be brought forward by their originators.