

unacquainted. In every specimen of Penguin which I examined the bursa was perfectly empty. The subjoined table<sup>1</sup> gives the dimensions of the various portions of the great intestine and bursa fabricii of different species in English inches.

Specimen.	Length of cæca.	Length of great intestine from junction of cæca to anus.	Length of rectum.	Diameter of cloaca.	Bursa fabricii.
<i>Eudyptes chrysocome</i> , from Tristan d'Acunha.					
No. 1 ♀	1½	3	1	1½	Two-thirds the length of cloaca. Broadly pyriform. Mucous membrane thick, spongy, and rugose.
No. 2 ♂	1½	3	1	½	Half the length of the cloaca. Pyriform. Mucous membrane smooth, thin, and without rugæ.
<i>Eudyptes chrysocome</i> , from the Falkland Islands.					
No. 1 ♂	½	3½	1½	1½	Equal in length to the cloaca. ¼ of an inch in diameter throughout. Mucous membrane thick but smooth, and devoid of rugæ. Presents apertures of numerous glandular follicles.
<i>Eudyptes chrysocome</i> , from Kerguelen Island.					
No. 1 ♂	½	2½	½	1½	Small and of equal diameter throughout. Half the length of the cloaca. Mucous membrane perfectly smooth, thin, and devoid of any appearance of glands.
No. 2 ♀	¾	3	1½	¾	Equal in length to the cloaca. ¼ of an inch in diameter throughout. Mucous membrane perfectly smooth, thin, and not glandular.

<sup>1</sup> In this table the length of the anal passage is omitted, as being unimportant. Its dimensions can be readily ascertained in each case by deducting the length of the rectum, plus the diameter of the cloaca, from the length of the great intestine, measured from the point of junction of the cæca to the anus.