sample of	a	cargo	from	Patagonia,	brought	into	Norfolk	in
the sumer	0	f 1858						

Water and organi	ic 1	natter.		TOP IN 191				31.34
Silicates insoluble	in	hydroc			d,		٠	34.45
Lime,								5.56
Magnesia, .								trace
Alumina, .								13.66
Oxide of iron,				,0,000				3.71
Phosphoric acid,				. 0.00				5.51
Sulphuric acid,								4.21
Alkaline salts,			٠,				٠	0.41
					1			99.85
The combination	of	the bas	is 8	and acid	ds	is as fo	llo	ws:
Sulphate of lime,		ALIA LIVE						7.98
Phosphate of lim					*	H A S		4.85
ii ii	1000	lumina.						6.38

Of the insoluble silicates above mentioned, only 10.68 escaped solution in caustic potash, so that a large amount of the silica present is soluble in that reagent.

Another guano somewhat resembling this, but of greater value, was brought here from Soldanha bay, Africa, in 1854. I analyzed a sample of it with the following results:

Water,	and the same			1 10	20.00				17.06
Organic m	atter,					10			7.89
Sand, .					la i 🕶 📖				39.59
Lime, .									9.56
Phosphoric	acid.			in liveral					17.54
Iron, alum	ina, m	agne	esia,	&c., (not e	stima	ited,)	٠	8.46
									100.00
The phosp	horic s	acid	is ea	nival	ent to	bon	e phos	3-	

In another guano of this soft variety, sulphate of lime is present in large quantity, but the phosphate of that earth is more abundant than in the Patagonian above described. Of this variety, the following analysis of a sample from Portland bay, Cape Colony, Africa, will furnish a good example:

Water,	in the					21.37
Organic matter, .						10.44
Phosphate of lime,		day	, in	Cong.		40.24
Sulphate of lime,	100		APRO.	or less a		9.88
Sand	. 1. 1.	2755	, 10	of the		0.61
Iron, alumina, alkalies,	&c.,	(not	estin	nated	,)	17.46

CHAP. X.