

Ampelis cedrorum, (Vieillot).

Number and Sex	Length	Stretch	Wing	Tail	Culmen	Bill p. width	Gape	Tarsus	Middle Toe	Its Claw	
104. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
105. ♀ ad.	—	—	—	—	—	—	—	—	—	—	
106. ♀ ad.	—	—	—	—	—	—	—	—	—	—	
151. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
162. ♂ juv.	—	—	—	—	—	—	—	—	—	—	
198. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
274. ♀ ad.	—	—	—	—	—	—	—	—	—	—	
460. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
461. ♀ ad.	—	—	—	—	—	—	—	—	—	—	
475. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
476. ♂ ad.	7.00	11.75	3.88	2.31	—	—	—	—	—	—	
488. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
489. ♀ ad.	—	—	—	—	—	—	—	—	—	—	
522. ♀ ad.	7.44	11.88	3.82	2.50	—	—	—	—	—	—	
523. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
524. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
525. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
543. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
545. ♂ ad.	—	—	—	—	—	—	—	—	—	—	
739. ♂ juv.	7.06	11.50	<sup>3.69</sup> 3.69	2.25	—	—	—	—	—	—	
740. ♀ juv.	—	—	—	—	—	—	—	—	—	—	
764. ♂ ad.	7.31	11.56	3.75	2.44	—	—	—	—	—	—	
853. ♀ ad.	7.00	11.62	3.13	2.25	—	—	—	—	—	—	
855. ♀ ad.	7.00	11.75	3.13	2.25	—	—	—	—	—	—	
856. ♀ ad.	7.00	11.56	3.13	2.19	—	—	—	—	—	—	

Iris, brown;  
Bill & feet, black.  
{ good here

Iris, brown.

Iris, brown.  
Bill & feet, black.  
Iris; iris,  
Bill, red-brown.

Iris, red-brown  
do



Ampelis cedrorum, (Vieillot). [3]

Number, Sex and Age.	Culmen	Bill to nostril	Gape	Tarsus	Middle toe	No. Claw.					
1594. ♂ ad.	7.25	11.62	3.64	2.35	.42	—	—	.63			
1595. ♀ ad.	7.19	11.60	3.71	2.35	.45						
1596. ♀ ad.	7.14	11.75	3.64	2.32							
1597. —?	7.25	11.85	3.72	2.35							
1598. ♀ ad.	—	—									
1599. ♀ ad.	—	—									
1601. ♀	—	—									
1602. ♀	—	—									
1747. ♀ ad.	7.30	12.00	3.78	2.40							
1761. ♀ ad.	7.50	12.22	3.83	2.45						Taken with eggs.	
1838. ♀ ad.	7.35	11.75	3.70	2.50							
1848. ♀ ad.	7.50	12.00	3.77	2.50	.39	.27	.70	.70		Rectrices slightly red at tips.	
1844. ♀ <sup>juv</sup> <del>ad.</del>	6.95	11.25	3.55	2.35	.40	.25	.71	.64			
1848. ♂ ad.	7.30	12.05	3.87	2.45	.41	—	—	.70	.61	.24	
63 Specs.	(39) 7.19	(39) 11.77	(39) 3.70	(39) 2.37	(11) .41	(2) .26	(6) .71	(10) .66	(2) .59	(2) .25	

Vireo olivaceus.

Number, Sex and Date.	Length	Stretch	Wing	Tail	Culmen	Bill from nostril	Gape	Tarsus	Middle toe	No Claw	
June 3, 1874	—	—									
57. ♀ ad. May, 1874	—	—									
100. ♂ ad. July 13, 1874	—	—									
136. ♂ ad. Aug 30, 1874	—	—									
161. ♂ Sept. 20, 1874	6.00	10.00	3.07	2.00							
203. ♂ ad. Sept. 23, 1874	6.06	10.00	3.19	2.19							
209. ♂ ad. Oct. 7, 1874	6.06	10.00	3.19	2.19							
233. ♀ ad. May 21, 1875	—	—									
709. ♀ ad. July 12, 1875	—	—									
723. ♂ ad. May 22, 1876	6.44	10.50	3.31	2.37							
1216. ♂ ad. August 16, 1875	6.44	10.31	3.19	2.25							
1241. ♂ ad. Sept. 8, 1876	—	—	<del>3.25</del>	<del>2.13</del>							
1263. ♀ Sept. 8, 1876	6.19	10.37	3.25	2.13							
1266. ♀ juv. Sept. 11, 1876	—	—									
1269. ♂ juv. May 16, 1877	6.13	10.19	3.28	2.19							
1413. ♂ ad. May 30, 1877	6.39	10.25	3.18	2.20	.53	—	.76	.70	.40	.20	occiput .88.
1474. ♀ ad. May 7, 1878	6.06	9.75	3.09	2.12	.51	—	.74	.70	.40	.19	.89
1678. ♂ ad. May 25, 1878	6.33	10.15	3.25	2.30							
1745. ♂ ad.	6.40	10.20	3.20	2.30							
	(11)	(11)	(11)	(11)	(2)	—	(2)	(2)	(2)	(2)	(2)
18 Specs.	6.23	10.17	3.20	2.20	52		.75	.70	.40	.20	.89

Vireo gilvus.

Number, Sex and Age.	Length	Stretch	Wing	Tail	Culmen	Bill protruding maxillary	Gape	Tarsus	Middle toe	Its Claw	Date
696. ♂ ad.	—	—									1875 May 20
1213. ♂ ad.	5.96	9.25	3.00	2.19							1876 May 8
1214. ♂ ad.	5.75	8.96	2.69	2.06							1876 May 18
1215. ♂ ad.	5.75	9.19	2.87	2.06							do 1877
1367. ♂ ad.	5.96	9.42	2.85	2.25	.46	.30	.68	.72			May 9
1900. ♀ ad.	5.55	8.75									1879. May 8
Six Specs.	(5) 5.80	(5) 9.07	(4) 2.85	(4) 2.14	(1) .46	—	(1) .68	(1) .72			

Vireo flavivirens.

97. ♀ ad.	—	—									1874 May 25
98. ♂ ad.	—	—									1874 June 6
99. ♂ ad.	—	—									1874 May,
1119. ♂ ad.	6.00	9.75	3.13	2.06							1876 May 22
1196. ♀ ad.	—	—									1876 May 27
1210. ♀ ad.	—	—									1876 May 12
1211. ♂ ad.	6.00	9.69	3.13	2.12							1876 May 13
1212. ♂ ad.	5.94	10.00	3.19	2.06							1876. May 8
1691. ♂ ad.	—	—									1878 May 10
1711. ♂ ad.	5.75	9.80	2.94	2.00							1878 May 16
1948. ♂ ad.	6.00	9.65	2.90	2.08	—	.35	.71	.76	.47	.20	1879 June 30
1962. ♂ ad.	6.00	9.80	3.03	2.23	—	.36	.73	.76	.47	.20	1879 July 19
12 Specs.	(6) 5.95	(6) 9.78	(6) 3.05	(6) 2.10	—	(2) .36	(2) .72	(2) .76	(2) .47	(2) .20	

Vireo solitarius

Number, Sex, and Age.	Length	Stretch	Wing	Tail	Culmen	Bill from nostril	Gape	Tarsus	Middle toe	Its claw	Mid toe + claw
May, 1872 742. —	—	—									
Sept. 23, 1875 771. ♂?	5.56	9.31	3.00	2.19	—	—	—	.63	—	—	.63
May 10, 1876 977. ♀ ad.	5.50	9.50	2.96	2.19							
May 11, 1876 1111. ♀ ad.	—	—									
May 9, 1876 1117. ♂ ad.	5.50	9.31	2.96	2.06	—	—	—	.72			
May 18, 1876 1206. ♂ ad.	5.81	9.69	3.00	2.19							
May 9, 1876 1207. ♂ ad.	5.75	9.69	3.06	2.12							
May 11, 1876 1208. ♀ ad.	5.69	9.50	2.88	2.12							
May 9, 1876 1209. ♀ ad.	5.63	9.63	3.00	2.13 <sup>213</sup>							
September 29, 1876 1285. ♂ juv.	5.75	9.38	3.00	2.18	—	—	—	.72			
April 23, 1877 1351. ♀ ad.	5.50	9.07	2.85	2.04	—	—	—	.70	.43		
May 8, 1877 1363. ♂ ad.	5.50	9.25	2.94	2.06	.42	—	.62	.70	—	—	.65
May 9, 1877 1366. ♂ ad.	5.50	9.62	3.00	2.05	.37	—	—	.73			
September 22, 1879 1999. ♀ ad.	5.62	9.15	2.87	2.20	.43	.28	.65	.75	.45	.21	
14 Spec.	(12) 5.61	(12) 9.42	(12) 2.96	(12) 2.12	(2) .41	(1) .28	(2) .64	(7) .72	(2) .44	(1) .21	(2) .64

Vireo noveboracensis

August 11, 1874 184. juv.	—	—									
May 16, 1875 679. ♀ ad.	5.13	7.81	2.31	1.94							
May 17, 1876 1217. ♀ ad.	5.31	8.00	2.50	2.00							
May 26, 1877 1471. ♀ ad.	5.28	7.60	2.30	1.90	.42	.29	.65	.70	.62	.18	
May 12, 1879 1906. ♂ ad.	5.37	8.00									
5 Spec.	(4) 5.27	(4) 7.85	(3) 2.37	(3) 1.95	(1) .42	(1) .29	(1) .65	(1) .70	(1) .62	(1) .18	







*Pinicola enucleator.*  
(Measurements)

<u>Sex &amp; Age</u>	<u>Date</u>	<u>Length</u>	<u>Stretch</u>	<u>Wing</u>	<u>Tail</u>	<u>Cul.</u>	<u>Tars.</u>	<u>Remarks</u>
♀ ad.	Dec. 8, 1874	8.63	13.69	4.50	3.56	.68	—	gape, .69.
♀ ad.	do	8.63	13.44	4.38	3.50	—	.69	
♂ ad.	Dec. 22, 1874	9.25	14.00	4.50	3.75			
♂ juv.	Dec. 23, 1874	8.56	13.31	4.31	3.63			
♂ ad.	Dec. 24, 1874	9.13	14.50	4.50	3.75			
♂ ad.	Dec. 25, 1874	8.69	13.75	4.50	3.50			
♂ juv.	do	8.69	13.00	4.19	3.56			
♀	do	9.00	14.13	4.38	3.75			
♀	Dec. 28, 1874	8.56	13.19	4.25	3.50			
♀	Jan. 5, 1875	9.06	13.75	4.44	3.81			
♀	do	9.00	12.63	3.94	3.75			
♀	do	9.00	14.00	4.38	3.63			
♂ juv.	do	8.63	13.44	4.25	3.63			
♀	do	8.75	13.06	4.25	3.56			
♂ juv.	do	9.13	13.50	4.31	3.63			
♀	do	9.19	13.50	4.31	3.63			
♀	do	8.94	13.75	4.50	3.63			
♀	Jan. 19, 1875	9.06	14.00	4.50	3.69			
♀	do	8.94	13.69	4.38	3.69			
♀	do	8.75	13.50	4.31	3.56			
♀	March 14, 1875	8.81	13.25					
♀	do	8.88	13.50					
♂ juv.	March 17, 1875	8.13	13.13					

23 Spec.  
5 ♂♂ juv. juv.  
3 ♂♂ ad. ad.  
15 ♀♀ —

8.84





Carpodacus purpureus (Continued).

No. sex & age

	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Mid. toe	Foot & claw
1570 ♂ ad.	March 6 <sup>th</sup> 1878	6.26	10.25	3.29	2.28	.46		.66		
1571 ♂ ad.	" " "	6.27	9.92	3.23	2.32	.45		.64		
1572 ♀	" " "	6.19	10.12	3.25	2.30	.42		.70		
1573 ♀	" " "	6.07	9.83	3.20	2.10	.46		.65		
1592 ♂ ad.	" 15 <sup>th</sup> "	6.29	10.39	3.22	2.26	.44	.56	.66		
1603 ♀ ad.	" 26 <sup>th</sup> "	6.24	10.38	3.20	2.25	.48		.67		
1610 ♂ ad.	Apr. 4 <sup>th</sup> "	6.10	—	3.18	2.33					
1891 ♂ ad.	May 7 <sup>th</sup> 1879	6.20	10.30							

Chrysomitris tristis.

70	♂ ad.	May 1874								
71	♂ ad.	" "								
292	♂	Dec. 27 <sup>th</sup> 1874								
814	♂	Nov. 25 <sup>th</sup> 1875	5.00	8.88	2.75	2.00				
831		Dec 17 <sup>th</sup> "	4.88	8.62	2.75	1.88				
832		" " "	4.88	8.62	2.75	1.88				
833		" " "	4.75	8.69	2.75	1.88				
844	♂	Jan. 11 <sup>th</sup> 1876	4.69	8.75	3.00	2.00	.38	(.56)		

Number, sex  
and age.

*Chrysomitris trilio.* (continued)

	Date	Length	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Claw
846 ♀	Jan 11 <sup>th</sup> 1876	5.00	8.31	2.81	2.19	.37	.56		
847 ♂	" " "	5.06	8.74	2.88	1.06	.37	.56		
848 ♂	" " "	5.06	8.75	2.88	2.13				
890	March 10 <sup>th</sup> "	5.25	8.88	2.88	2.00				
905 ♂ ad.	" 31 <sup>st</sup> "	5.50	9.06	2.81	2.00				
1270 ♂ ad.	Sept. 12 <sup>th</sup> "	5.00	9.00	2.94	1.94				
1378 ♂ ad.	May 11 <sup>th</sup> 1877	5.25	9.06	2.88	2.06				
1460 ♂ ad.	" 23 <sup>rd</sup> "	5.26	9.07	2.90	2.00	.40	.55	.44	.23
1461 ♀ ad.	" " "	4.82	8.50	2.64	1.86	.41	.55	.39	.20
1533 ♂ ad.	Jan 12 <sup>th</sup> 1878	5.15	8.89	2.90	2.00	.40	.53		
1534 ♂	" " "	5.31	9.13	2.96	2.08	.39	.56		
1536 ♀ ad.	" " "	—	—						
1549 ♂ ad.	Oct 6 <sup>th</sup> "	4.93	8.75	2.79	1.88	.40	.43	.52	.42
1585 ♂ ad.	March 2 <sup>nd</sup> "	5.15	8.58	2.82	1.97				
1648 ♂ ad.	Apr. 27 <sup>th</sup> "	5.19	8.90	2.70	1.96	.39	.53		
820 ♂	Nov 9 <sup>th</sup> 1875	5.06	9.12	2.88	2.00				
821 ♂	" " "	5.12	8.91	2.75	1.88				
822 ♂	" " "	5.19	8.94	2.66	2.06				
823 ♂	" " "	5.06	8.81	2.81	2.00				
1120 ♂ ad.	May 2 <sup>nd</sup> 1876	5.31	9.06	2.94	2.12				
1121 ♂ ad.	" " "	4.69	8.25	2.75	1.81				

Melospiza pinus.

Number, sex  
& age.

	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Claw
249 ♀	1874 Oct. 16	4.81	8.44	2.69	1.81					
381 ♀ ad.	Jan. 27 <sup>th</sup> 1875									
404 —	" " "									
405 ♀ ad.	" " "									
406 ♂ ad.	" " "									
407 ♂ ad.	" " "									
408 ♀ ad.	" " "	5.06	8.75	2.88	1.94					
409 ♀ ad.	" " "									
410 —	" " "	5.00	8.38	2.56	1.62					
416 ♀ ad.	Feb 1 <sup>st</sup> "	5.00	8.81	2.81	1.94	.50		.50		
1548 ♀ ad.	" 6 <sup>th</sup> 1875	5.06	8.76	2.86	1.90	.43	.47	.52	.45	.23

1875

Loxia leucoptera.

343 ♂ ad.	Jan 14 <sup>th</sup> "	6.00	10.38	3.38	2.44	.60		.61		
344 ♂ ad.	" " "	6.12	10.25	3.31	2.50	.61		.60		
345 ♀ ad.	" " "									
346 ♀ ad.	" " "	6.12	10.00	3.12	2.50	.65		.60		
347 ♀ ad.	" " "									
358 ♂ ad.	" 25 <sup>th</sup> "									
359 ♂ ad.	" 22 <sup>nd</sup> "									
360 ♀ ad.	" 14 <sup>th</sup> "									
361 ♀ ad.	" " "	5.88	10.00	3.25	2.19					
362 ♀ ad. (C. H. M.)	" " "	6.13	10.25	3.28	2.40	.62		.62		
		6.05	10.18	3.27	2.41	.62		.61		

Loxia curvirostra americana.

Number, sex & age	Date	Length	Stretch	Wing	Tail	Culmen	Tarsus
333 ♂ ad.	1875 Jan 11 <sup>th</sup>	6.25	11.00	3.56	2.25	.75	.63
334 ♂ ad.	" "						
335 ♀ ad.	" "						
339 ♂ ad.	" 14 <sup>th</sup>						
340 ♂ ad.	" "	5.69	10.18	3.25	2.13	.60	.60
341 ♂ juv.	" "	5.75	10.50	3.31	2.00	.62	.60
342 ♀ ad.	" "						
351 ♂	" 16 <sup>th</sup>						
356 ♀	" "						
357 ♂	" 24 <sup>th</sup>						
400 ♀ ad.	" 27 <sup>th</sup>						
422 ♀ ad.	" 29 <sup>th</sup>	6.50	10.63	3.38	2.13	.66	.60
423 ♀ ad.	" 31 <sup>st</sup>	6.25	10.63	3.44	2.06	.75	.69
490 ♂ ad.	March 10 <sup>th</sup>	6.38	11.00	3.56	2.13		
491 ♂ ad.	" "						
414 ♂ ad.	Feb. 1 <sup>st</sup>	5.75	10.50	3.31	2.00	.59	<del>.60</del>
(C. H. M.)		6.38	10.50	3.35	2.15	.64	.60
"		6.75	11.25	3.45	2.25	.67	.64







Aegialius linearis (continued)

Number, sex & age	Date	Length	Stretch	Wing	Tail	Culmen	Nostril	Gape	Tarsus	Mid. Toe	Claw
479 ♂ ad.	March 5 <sup>1875</sup>										
480 ♂ ad.	" "										
498 ♂ ad.	" 15 <sup>th</sup>										
528 ♂ ad.	" 24 <sup>th</sup>	5.50	7.94								
529 ♂ ad.	" "										
530 ♂ ad.	" "										
535 ♀ ad.	" "										
536 ♀ ad.	" "										
1809 ♂ ad.	Dec. 30 <sup>th</sup> 1878	5.52	9.10	2.95	2.35	.37			55	36	23
1810 ♂ juv.	" "	5.35	8.65	2.78	2.35	.35			55		
1811 ♂ ad.	" "	5.35	8.80	2.82	2.25	.36			57		
1812 ♂ ad.	" "	5.50	8.80	2.82	2.35	.37			56		
1813 ♂ juv.	" "	5.60	9.35	3.10	2.45	.36			65		
1814 ♂ juv.	" "	5.50	9.05	2.85	2.35	.35			56		
1815 ♂ juv.	" "	5.60	8.85	2.85	2.40	.36			55		
1816 ♀ ad.	" "	5.15	8.45	2.70	2.25	.33			52		
1817 ♂ juv.	" "	5.40	8.80	2.85	2.30	.35			57		
1818 ♀ ad.	" "	5.12	8.25	2.70	2.15	.36			52		

(1.)

Passerculus savanna.

No, Sex & Age	Date	Length	Stretch	Wing	Tail	Culm.	Bill from Nostr.	Gape	Tars.	Mid Toe	Claw
	1875										
557 ♂ ad.	April 19 <sup>th</sup>										
613 ♂ ad.	May 5 <sup>th</sup>	5.62	9.37	2.13	2.06						
614 ♀ ad.	" "	5.37	8.69	2.62	1.94						
615 ♀ ad.	" "	5.37	8.56	2.50	1.98						
1260 ♀	1876 Sep. 12 <sup>th</sup>	5.81	9.19	2.97	2.31	.43				.75	
1643 ♂ ad.	1878 April 27 <sup>th</sup>	5.78	9.12	2.64	2.00	.46				.84	
1644 ♂ ad.	" "	5.88	9.40	2.70	2.00						
1653 ♂ ad.	" 30 <sup>th</sup>	5.83	9.20	2.70	2.06	.43				.81	
1872 ♂ ad.	1879 April 19 <sup>th</sup>	5.50	9.25	2.67	2.03	.39		.47	.80		
<u>Proccetes gramineus.</u>											
	1875 April 27 <sup>th</sup>										
564 ♂ ad.	" "	6.00	10.12	3.06	2.38						
565 ♀ ad.	" "	5.94	9.81	3.06	2.38						
568 ♂ ad.	" "	6.31	10.88	3.19	2.50						
569 ♀ ad.	" "	6.19	10.31								
570 ♂ ad.	" "	6.38	10.94								
571 ♀ ad.	" "	6.25	10.44								
572 ♂ ad.	" "	6.25	10.63								
580 ♀ ad.	1876 " "	6.00	10.25								
918 ♀ ad.	Apr. 21	6.12	10.25	3.06	2.38						
925 ♀ ad.	1878 " "	6.19	10.12	3.06	2.38						
1667 ♂ ad.	May 3	<del>6.06</del>	<del>10.05</del>	<del>2.95</del>	<del>2.27</del>						
— ♀ ad.	Measurements of April 21/77	6.06	10.05	2.95	2.27						

*Ammodramus caudacutus.*

No., Sex & Age

Date	Length	Stretch	Wing	Tail	Culmen	Bill from nostril	Gape	Tarsus	Mid Toe	2 to claw
1874 Oct. 16	—	—	2.18	2.00	.46		.53	.86		
1877 Oct. 12	5.50	7.50	2.29	2.00	.46		.54	.88		

*Melospiza palustris.*

1874 245 ♀	Oct. 16	5.69	7.62	2.19	2.37					
252 ♂	" 26									
559 ♂ ad.	1875 April 19	5.81	8.00	2.31	2.31	.44	<del>88</del>	.88	Middle toe and claw	.84
560 ad.	" "									
561 ad.	" "	5.56	7.69	2.31	2.31					
917 ♂ ad.	1876 Apr. 21	5.88	7.94	2.37	2.25					
956 —	" 25	—	—							
966 ♂ ad.	" 29	6.06	8.31	2.44	2.37					
967 ♂ ad.	" "	6.12	8.25	2.44	2.37					
1293 ♀ juv.	Sep. 30	5.81	7.37	2.44	2.37	.46		.84		
1294 ♂ juv.	" "	6.06	7.88	2.19	2.31	.49		.85		
1458 ♂ ad.	1877 May 23	6.00	8.14							
1651 ♀ ad.	1878 April 30	5.87	7.73							

*Coturniculus passerinus.*

1878 ♂ ad. (W.C.O.)	May 10	5.50	8.66	2.52	1.88	.48		.81	.57	.15
1715 ♀ ad.	May 18	5.35	8.30	2.27	1.75	.46	<del>50</del>	.50	.75	
1716 ♂ ad.	May 18	5.30	8.60	2.36	1.75	.48	<del>52</del>	.52	.78	.16

*Zonotrichia albicollis* (Gmelin).

No	Sex & Age	Date	Length	Stretch	Wing	Tail	Culm.	Gape	Tars	Mid toe	Claw	Other
124	♂ ad.	<del>only 1872</del> May 79	6.75	9.65	3.00	2.90	.48		.86			
127	♂ ad.	— 1872										
239	♀	<sup>1874</sup> Oct. 8	7.00	9.50	2.88	2.94						
259	♀	Oct. 15	7.00	9.50	2.88	2.94						
602	♂ ad.	<sup>1875</sup> May 4	6.50	9.37	2.88	2.75						
603	♂ ad.	May 4	7.00	9.75	3.00	2.94						
604	♂ ad.	May 4	6.50	9.44	2.81	2.81						
605	♂ ad.	May 4	6.69	9.25	2.81	2.88						
705	♂ ad.	<del>1874</del> May 21										
1151	♂ ad.	May 20	—	—	2.88	2.88						
1168	♂ ad.	May 2	6.75	9.50	2.88	2.69						
1283	♂	Sep 29	6.44	9.00	2.88	2.69						
1370	♂ ad.	<sup>1877</sup> May 9	7.00	9.60	2.87	2.90	.46		.92			
1387	♂ juv.	May 14	6.87	9.52	2.85	2.90	.48	.50	1.00			
1388	♀ ad.	May 14	6.80	9.00	2.80	2.82						
1488	♂ ad.	April 2	6.83	9.65	2.90	2.72						
1785	♀ ad.	<sup>1878</sup> Oct. 18	6.90	9.40	—	—						

*Zonotrichia leucophrys* (Forster).

1177	♀ ad.	<sup>1876</sup> May 23	6.88	9.75	3.03	2.88	.50		.85			.81
1181	♀ ad.	May 23	6.88	9.88	3.03	2.88			.85			.81

Melospiza melodia

No. Sex + Age	Date	Length	Stretch	Wing	Tail	Culmen	Bill from Nostril	Gape	Tarsus	Mid Toe	St. Claw
	Date	6.31	9.75	2.94	2.75	(not preserved)					
28. ♂ ad.	1874 June 5										
103. ♂ ad.	Feb. 26										
210. ♂ ad.	1875 Sep. 23	6.12	8.48								
349. ♂ ad.	Jan. 16										
363. —?	Jan. 23	6.19	8.13	2.38	2.50						
384 ♂ ad.	Jan 27	6.00	8.38	2.50	2.50	.50			.81		
419 ♂ ad.	Feb. 1	6.50	8.75	2.50	2.75	.50			.81		
435 ♀ ad.	Feb. 1 <sup>st</sup>										
444 ♂ ad.	Feb. 16										
510 ♀ ad.	Mar. 17										
512 ♂ ad.	Mar. 15										
520 ♀ ad.	Mar 20										
533 ♀ ad.	Mar. 30.										
724 ♂ juv.	July 12										
861 ♂ ad.	1876 Jan 21	6.19	8.50	2.50	2.56				.81		
887 ♂ ad.	Mar 5	6.62	8.75	2.62	2.81				.81		
896 ♀ ad.	Mar 24	6.44	8.69	2.50	2.62						
906 ♂ ad.	Mar 31	6.44	8.88	2.62	2.75						
1577 ♂ ad.	1878 Mar 6	6.13	8.59	2.61	2.57	.46			.81		
1614 ♂ ad.	Apr. 10	6.25	8.70	2.52	2.54	.53			.86		
				<del>2.58</del>	<del>2.71</del>	<del>.50</del>			<del>.79</del>		
1652 ♂ ad.	Apr. 30	6.46	8.66	2.58	2.71	.50			.79		
1654 ♀ ad.	Apr 30	6.30	8.40	2.42	2.60	.50			.81		
1828 — ad.	1879 Mar. 13	6.40	8.50	2.50	2.75	.46			.80		
1864 ♂ ad.	Apr. 10	6.25	8.70	—	—	—					

muscle etc.

*Junco hyemalis.*

		Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Med. t.	Its claw
254.	♂ juv.	<sup>1874</sup> Oct. 30									
256.	♀	Oct. 31	6.19	9.44	2.88	2.62					
418	♂ ad.	<sup>1875</sup> Feb. 1									
424	♂ ad.	Feb. 1									
456	♂ ad.	Feb. 28									
499	♂ ad.	Mar. 14	6.13	10.00							
563	♂ ad.	Apr. 26	6.25	9.75	3.09	2.69	.38		.75		toe and claw .69
618	♂ ad.	May 8									
850	♂ ad.	<sup>1876</sup> Jan. 17	6.25	9.94	3.06	2.75			.78		.75
860	♂ ad.	Jan. 12	6.12	9.06	3.12	2.81	.38		.88		
867	♂ ad.	Feb. 8	6.31	10.00	3.09	2.69					
868	♂ ad.	Feb. 8	6.37	9.69	2.94	2.69					
869	♀ ad.	Feb. 8	6.19	10.12	3.09	2.62					
870	♂ ad.	Feb. 8	6.37	9.81	3.00	2.75					
871	♂ ad.	Feb. 8.	6.50	10.06	3.13	2.81					
895	♂ ad.	Mar. 24	6.25	9.75	3.00	2.75					
902	♂ ad.	Mar. 28	6.12	9.50	2.88	2.56					
903	♂ ad.	Mar. 28	6.37	10.00	3.12	2.81					
944	♀ ad.	Apr. 24	6.00	9.25	2.94	2.62					
1306	♂ ad.	Oct. 4	6.25	9.88	3.19	2.75					
1347	♂ ad.	<sup>1877</sup> Apr. 2	6.56	10.00	3.00	2.69					
1607	♂ ad.	<sup>1878</sup> Mar. 29.	6.35	10.11	3.03	2.73	.44		.83		
1631	♂ ad.	Apr. 22	6.48	10.16	3.06	2.80	.41		.82		
1858	♀ ad.	<sup>1879</sup> Apr. 5	6.03	9.30	2.80	2.55	.44		.82		





*Spizella monticola*, *Smellie*.

No	Sex & Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Mid toe	Its claw
291	♂ ad.	<sup>1874</sup> Dec. 28									
338	—?	<sup>1875</sup> Jan 7	6.44	9.75	3.00	3.00					
372	♂ ad.	Jan 20									
383	♀ ad.	Jan 27	6.06	9.50	3.00	2.75					
420	♀ ad.	Feb. 1	6.31	9.44	3.00	2.81	.38		.75		
425	♂ ad.	Feb. 1									
436	♀ ad.	Feb. 1									
438	♂ ad.	Feb. 16									
443	♀ ad.	Feb. 16									
457	♂ ad.	Feb. 28									
458	♀ ad.	Apr. 15	6.25	9.13	2.69	2.69					
462	♂ ad.	March 2									
463	♀ ad.	March 2									
477	♂ ad.	March 3	6.38	9.63	3.06	2.94					
558	-ad.	Apr. 15									
828	♂ ad.	Dec. 8	6.19	9.62	3.06	2.94					
830	♂ ad.	Dec. 18	6.44	9.44	2.94	2.75					
858	♀ ad.	<sup>1876</sup> Jan 12	6.12	9.50	3.12	2.75	.44		.81		
862	♂ ad.	Jan 21	6.37	9.50	3.00	2.88					
1520	♂ ad.	<sup>1877</sup> Nov. 24	6.58	9.65	3.10	2.80	.41	.49	.83	.58	.24
1521	♀ ad.	Nov. 24	6.25	9.10	2.95	2.71					
1538	♂ ad.	<sup>1878</sup> Jan 22	6.28	9.38	2.97	2.72	.41	.46	.78	.55	.23
1545	♂ ad.	Jan 25	6.71	9.52	3.02	2.88					
1546	♂ ad.	Jan 25	6.50	9.50	3.10	2.86					
1547	♂ ad.	Jan 25	6.51	9.50	3.08	2.87					
1787	♂ ad.	Oct. 26	6.47	9.25	2.78	2.70					
1803	♂ ad.	Nov. 29	6.55	9.65	2.99	2.90					

Passer domesticus, (Linné).

No. Sex & Age	Date	Length	Str	Wing	Al	Cul	Gape	Tars	Mid toe	Claw	Bill
474 ♂ ad	<sup>1875</sup> March 3										
492 ♂ ad	Mar 9										
493 ♀ ad	Mar 9										
511 ♂ ad.	Mar 15	6.39	9.88								
515 ♂ juv.	Mar 16	6.13	9.13	3.00	2.25						
910 ♂ ad.	<sup>1876</sup> Apr. 11	6.31	9.37	2.88	2.31						
947 ♂ ad	Apr. 24	6.37	9.88	3.06	2.31						
961 ♀ ad.	Apr. 28	6.44	10.19	2.94	2.25						
1124 ♀ ad.	May 26	6.50	9.69	3.00	2.25						
1514 ♀ ad	<sup>1877</sup> Nov. 17	6.50	9.75	3.09	2.35	.48	.57	.73			
1575 ♂ ad.	<sup>1878</sup> Mar 6	6.23	9.50	3.04	2.28	.49					
1576 ♀ ad.	Mar 6	6.40	9.70	2.96	2.23	.47		.73			
1579 ♂ ad.	Mar 6	6.65	9.88	3.07	2.37	.48					
1580 ♂ ad.	Mar 6	6.61	10.00	3.16	2.35	.52		.80			
1890 ♂ ad.	<sup>1879</sup> May 7	6.37	9.62	2.90	2.40	.53	.64	.77	.63	.21	

*Passerella iliaca*, (Merrem).

No. Sex Age	Date	Eye	St	Wg	Tail	Cul	Gape	Tars	Mid toe	Claw	Both
113 ♀ ad	<sup>1874</sup> March 15	—	—								
114 ♀ ad	March 20	—	—								
193 ♂ ad.	March 24	—	—								
518 ♂ ad.	<sup>1875</sup> March 17	7.44	11.25								
519 ♀ ad	March 17	—	—								
541 ♂ ad.	April 1	—	—								
548 ♀ ad	April 15	—	—								
886 ♀ ad	<sup>1876</sup> March 7	7.25	11.00	3.41	2.88						
897 ♂ ad.	March 24	7.31	11.50	3.50	<del>3.00</del>						
898 ♀ ad	March 24	7.00	10.75	3.19	2.63						
901 ♂ ad	March 27	7.69	11.88	3.69	3.13						
1348 ♀ ad	<sup>1877</sup> April 2	7.25	10.81	3.31	2.88						
1507 ♀ ad	Nov. 9	7.00	10.80	3.41	2.66	.52	.60	.97	.62	.30	
1513 ♂ ad	Nov. 17	7.52	11.39	3.54	2.92	.51	.60	1.03	.65	.31	
1569 ♀ ad	<sup>1878</sup> Feb. 28	6.97	10.62	3.26	2.75	.47	.53	.95	.60	.33	
1574 ♂ ad	March 6	7.15	11.00	<del>2.50</del>	2.83	.50		.92			
1608 ♂ ad.	April 1	7.18	11.25	3.37	2.77	.50		.99			
1612 ♂ ad.	April 4	7.65	11.78	3.56	3.03						
1842 ♂ ad	<sup>1879</sup> April 2	7.35	10.80	3.25	2.85	.50		.95			
1845 ♂ ad	April 3	7.50	11.35	3.40	2.90	.50		.95	.65	.31	
1846 ♂ ad.	April 3	7.08	11.05	3.35	2.90	.50		.94	.60	.30	
1863 ♀ ad.	April 10	6.90	10.80	3.15	2.60	.49	.57	.95	.63	.28	

Goniaphea ludoviciana, (Linné).

Catal No.	Sex;	Age.	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Its claw.	Both together	Date
12	♀	ad	—	—	—	—	—	—	—	—	—	—	May 11, 1874.
13	♀	ad	—	—	—	—	—	—	—	—	—	—	May 12, 1874.
14	♂	ad	—	—	—	—	—	—	—	—	—	—	May 11, 1874
15	♂	ad	—	—	—	—	—	—	—	—	—	—	do
16	♂	ad	—	—	—	—	—	—	—	—	—	—	do
684	♀	adv	8.25	12.81	4.00	2.81							May 30, 1875.
685	♂	ad	—	—	—	—							do
1170	♂	ad	8.00	12.50	3.81	2.88							May 12, 1876.
1197	♂	ad	—	—	—	—							May 19, 1876.
1202	♀	ad.	—	—	—	—							do
1203	♂	ad	—	—	—	—							do
1420	♂	ad	8.25	13.25	4.24	3.00	.65	.75	.87	.66	.26		May 17, 1877.
1421	♂	ad.	8.00	12.39	3.90	2.97	.73	.77	.84	.60	.26		do
1490	♂	juv.	8.05	12.85	4.00	3.00	.65	.73	.90	.67	.28		July 28, 1877
1685	♂	ad	8.15	13.40	4.16	3.05							May 9, 1878. <del>July 28, 1877.</del>

*Cyanospiza cyanea*, (Linné).

Catal. No.	Sex.	Age	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Its claw	Date
117	♂	ad.	—	—	—	—	—	—	—	—	—	May 13, 1874
118	♂	ad.	—	—	—	—	—	—	—	—	—	do
141	♂	ad.	—	—	—	—	—	—	—	—	—	July 24, 1874
142	♂	ad.	—	—	—	—	—	—	—	—	—	July 25, 1874
148	♂		—	—	—	—	—	—	—	—	—	July 24, 1874
194	♂	ad.	—	—	—	—	—	—	—	—	—	May 12, 1874
1218	♂	ad.	5.69	8.81	2.62	2.06	—	—	—	—	—	May 22, 1876
1219	♀	ad.	5.75	8.50	2.62	2.12	—	—	—	—	—	May 27, 1876
1391	♂	ad.	5.50	8.61	2.61	2.04	.39	.42	.67	.47	.17	May 15, 1877
1443	♀	ad.	5.40	8.12	2.45	2.04	.41	.45	.72	.47	.19	May 21, 1877
1481	♂	ad.	5.63	8.60	2.65	2.05	.40	.46	.62	.49	.17	June 23, 1877
1483	♂	ad.	5.62	8.70	2.59	2.07	—	—	—	—	—	June 21, 1877
1713	♂	ad.	—	—	—	—	—	—	—	—	—	May 16, 1878
1714	♂	juv.	—	—	—	—	—	—	—	—	—	do
1974	♂	ad.	5.60	8.50	2.60	2.25	.44	.47	.65	.50	.20	Aug. 12, 1879
1975	♀	ad.	5.50	8.30	2.48	2.05	.42	.47	.70	.52	.22	Aug 15, 1879

Highland  
*Molothrus ater.*

Catal no.	Sex Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle Toe	Middle and its claw	Claw alone
61	♂ ad	June 1, 1874	—	—								
62	♀ ad	May 21, 1874	—	—								
578	♂ ad	Apr. 29, 1875	8.06	13.75	4.37	3.00	—	—	.94	—	.94	
912	♂ ad	Apr. 17, 1876	7.88	13.75	4.44	3.06						
946	♂ ad	Apr. 24, 1876	7.88	13.50	4.31	3.06						
965	♂ ad	Apr. 29, 1876	7.75	13.50	4.31	3.00						
1616	♂ ad	Apr 11, 1878	7.75	13.30	4.10	2.88	.70	.67	1.05	—	—	—
1627	♀ ad	Apr. 20, 1878	7.38	12.53	3.86	2.66	.63	—	.97			
1628	♂ ad	do	8.07	13.75	4.14	3.00	.64	—	1.07			
1629	♂ ad	do	7.87	13.50	4.16	3.00	.66	—	1.06			
1630	♂ ad	do	8.12	13.58	4.15	3.00	.69	—	1.02			
1659	♂ ad	Apr. 30, 1878	7.90	13.65	4.25	3.00						
1876	♂ ad	Apr 22, 1879	7.95	13.40	4.12	3.05	.66	.68	1.00	.72	—	.25
2,023	♀ ad.	Apr. 12, 1880	7.22	12.05	3.85	2.75	.57	.66	.95	.65	.90	.26
2042	♀ ad	Apr. 27, 1880.	7.10	12.30	3.85	2.70	.62	.62	.94	.60	.89	—
2043	♀ ad	do	7.03	12.00	3.80	2.60	.60	.60	.90	.65	.90	—

First seen

Last seen

Apr. 29, 1873.  
~~April 18,~~ H. Osborn.  
~~May 20,~~ 1874.

No late dates

Apr. 29, 1875.

Apr. 17, 1876.

Apr. 13, 1877.

See pp. 299 & 323 of Journal.  
 17 March 30, 1878

17 April 5, 1879  
 J. S. Buchanan's albino.

17 April 10, 1880

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Agelaius phoeniceus.

Catal. No.	Sex + Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Middle toe and its claw	Claw alone
21	♂ ad	Apr. 28, 1874	9.06	15.00								
22	♂ ad	May 10, 1874	—	—								
164	♂ juv.	Sep. 10, 1874	8.75	14.50	4.50	3.44						
176	♂	July 3, 1874	—	—								
200	♂ juv	Sep 25, 1874	8.00	14.00								
201	♂ juv	do	8.44	13.38								
202	♀	do	6.75	11.87								
215	♂ juv	do	8.00	14.00	4.38	2.81						
218	♀	Sep 26, 1874	7.75	12.50	4.00	3.13						
240	♀	Oct 15, 1874	<del>9.31</del>	<del>15.00</del>	<del>4.75</del>	<del>3.81</del>	.88	—	<del>1.00</del>			
508	♂ ad	Mar 18, 1875	9.31	15.00	4.75	3.81	.88	—	1.00			
704	♂ ad	May 21, 1875	—	—								
1152	♀ ad	May 2, 1876	8.06	12.88	4.12	3.19						
1157	♂ ad	May 2, 1876	9.44	15.12	4.75	3.75						
1161	♂ ad.	May 2, 1876	9.50	15.25	4.75	3.75						
1166	♂ ad	May 23, 1876	9.50	15.50	5.06	3.88						
1195	♀ ad.	do	8.00	12.75	3.88	3.13						
1371	♀ ad.	May 11, 1877	7.62	12.50	3.81	2.75						
1446	♀ ad.	May 21, 1877	7.88	12.60	3.87	2.93	.75	—	1.00			
1487	♂ ad	June 23, 1877	9.60	15.12	4.71	3.75	.98	1.02	1.12			
1622	♂ ad	Apr. 18, 1878	10.13	15.53	4.73	3.90	.96	—	1.08			
1633	♂ ad	Apr 24, 1878	9.50	15.60	4.68	3.70	—	—	1.15			
1700	♂ ad	May 11, 1878	—	—								
1701	♂ ad	do	—	—								
1748	♂ ad	May 25, 1878	9.30	15.00	4.60	3.55						
1749	♂ ad	do	9.75	15.60	4.78	3.70	.89	—	1.11			

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Agelaius phoeniceus — Continued.

Catal. Number.	Sex & Age.	Date	Tarsus	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Middle toe and its claw	Claw alone
1750	♀ ad.	May 28, 1878	8.12	12.85	3.85	2.90	.73	—	1.02			
2028	♂ ad.	Apr. 16, 1880	9.75	15.40	4.67	4.05	.94	.95	1.16	.76	1.05	—
2033	♂ ad.	Apr. 23, 1880	8.90	14.60	4.55	3.60	.85	.90	1.10	.80	1.05	—
1949	♂ ad.	July 7, 1879	9.45	15.00	4.55	3.85	.97	1.00	1.14	.80	—	.33

Sturnella magna.

1345	♂ ad.	Apr. 7, 1877	10.82	16.43	4.85	3.25	1.43	1.50	1.73	—	1.55	—
1620	♂ ad.	Apr. 18, 1878	10.60	16.45	4.54	2.97	1.32	1.45	1.72	1.13	—	.34
1621	♂ ad.	do	11.12	16.75	4.85	3.45	1.33	1.45	1.72	1.13	—	.35
1623	♀ ad.	Apr. 20, 1878	9.57	14.86	4.22	2.75	1.30	1.35	1.60	1.17	—	.40
2020	♂ ad.	Apr. 6, 1880	10.45	16.50	4.78	3.00	1.30	1.40	1.69	1.18	1.50	—



# Pteropus Spurius.

Catal. No.	Sex Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Middle toe + claw	Claw alone
66	♂ ad.	May 1874	—	—								
67	♂ juv.	May 1874	—	—								
119	♂ ad.	May 11, 1874	—	—								
731	♀ juv.	July 13, 1875	6.50	9.75	—	—						
1175	♂ ad.	May 23, 1876	7.25	10.50	3.25	3.00						
1234	♀ juv.	Aug. 21, 1876	7.50	10.56	3.25	3.00						
1245	♂ juv.	do	7.37	10.25	3.25	2.94						
1418	♂ ad.	May 17, 1877	7.38	10.50	3.22	3.02	.66	.73	.82	.59	—	.26
1419	♂ ad.	do	7.50	10.36	3.21	3.00	.64	.70	.92	.58	—	.26
1423	♀ ad.	do	7.14	10.04	3.14	2.68	.64	.75	.92	.54	—	.25
1457	♂ ad.	May 23, 1877	7.30	10.50	3.24	2.80						
1733	♂ ad.	May 21, 1878	6.85	10.05	3.00	2.67	.66	—	.89			
1742	♂ juv.	May 23, 1878	7.55	10.60	3.05	3.00						
1924	♂ ad.	May 20, 1879	7.40	10.60	3.14	3.00	.47	.77	.86	.62	—	.26



Icterus baltimore - Concluded.

Catalogue Number	Sex & Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Middle toe & claw
1833	♂ ad.	May 18, 1876.	—	—							
1856	♀ ad.	July 10, 1879	—	—							

Sceloporus ferrugineus.

509	♂ ad.	March 17, 1875	9.69	15.25	4.75	3.88	.91	—	1.06	—	.75
549	♀ ad.	Apr. 15, 1875	9.56	14.38							
582	♀ ad.	Apr. 30, 1875	9.00	13.50	4.19	3.31					
807	♂ ad.	Oct. 24, 1875	—	—							
908	♀ ad.	April 15, 1876	9.12	13.75	4.19	3.44					
909	♀ ad.	do	9.31	14.00	5.31	3.44					
XL	♂ ad.	May 5, 1873	9.70	15.00	—	—					
XVIII	♂ ad.	March 31, 1873	9.90	15.20	—	—					
XIX	♂ ad.	do	9.90	15.00	—	—					
XXI	—?	Apr. 2, 1873	9.60	15.20	—	—					

Quiscalus purpureus et anous.

XXXIV	♀ ad.	Apr 29, 1873.	11.20	16.60	—	—					
1826	♂ ad.	Mar 12, 1879	12.50	17.75	5.55	5.40	1.17	1.35	1.45	1.00	claw .34

Corvus americanus.

Catal. No.	Sex & Age	Date	Length	Stretch	Wing	Tail	Culmen	Bill to nostril	Gape	Tarsus	Middle toe	Middle toe & claw	Claw alone
52	♂ juv.	May 2 '74	—	—									
234	♂ ad.	Oct 8, 1874	19.75	39.00	13.31	8.06	1.96	<del>2.26</del> 2.26	2.40			1.98	
235	♀ ad.	Oct 7, 1874											
236	♀ ad.	<del>Oct 7, 1874</del> Sep 27, 1874											
237	♂ ad.	Sep 29, 1874	20.00	37.19									
813	♂	Nov. 13, 1875	18.75	30.00	11.56	7.50							
878	♀ ad.	Mar 4, 1876	19.00	37.50	12.44	7.50							
1462	♂ ad.	May 23, 1877	19.20	36.75	11.85	7.15	1.90	—	2.20	2.44	1.50	—	.56
1464	♀ ad.	do	18.85	36.70	11.80	7.14	1.80	—	—	2.22	1.37	—	.58
1465	♂ ad.	May 26, 1877	19.30	36.80	11.50	7.45	1.90	—	2.20	2.40	1.54	—	.54
1857	♂ ad.	Apr. 5, 1879	19.50	38.25	12.05	7.40	1.92	—	2.23	2.37	1.50	—	.52
1981	♂ juv.	Sep. 6, 1879	—	—									
2011	♀ ad.	March 13 '80	18.10	34.50	10.85	6.85	1.73	—	1.98	2.27	1.40	1.80	.50.
2029	♀ ad.	Apr 16, 1880	18.50	35.50	12.20	7.00	1.75	1.31	2.15	2.35	1.38	1.90	—

Corvus *dispar*.

1360	♀ ad.	May 7, 1876	16.00	33.20	10.84	6.20	1.37	—	1.65	1.85	1.30		.47
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## Cyanurus cristatus.

Catal No.	Sex & Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Nostril	Tarsus	Middle toe	Middle toe & claw
59	♂ ad.	May 25, 1874.	—	—								
60	♀ ad.	May 27, 1874	—	—								
211	♀ ad.	Sep 25, 1874	11.75	16.50	5.19	5.13						
222	♂ ad.	Sep. 30, 1874	—	—								
248	♂ ad.	Oct. 17, 1874	—	—								
250	♂ ad.	Oct. 14, 1874.	—	—								
451	♂ ad.	Feb 28, 1875	—	—								
900	♂ ad.	Mar 28, 1876	11.75	16.75	5.00	5.00						
1149	♂ ad.	May 2, 1876.	11.81	17.37	5.50	5.31						
1657	♀ ad.	Apr. 30, 1878.	11.50	16.40	4.90	4.90	1.06	—	—	1.38		
1804	♀ ad.	Nov 30, 1878	11.50	17.00	5.10	5.15	—	1.21	.72	1.48	.84	claw .38
1805	♀ ad.	Dec 27, 1878	11.75	16.62	5.12	5.25	1.14	—	—	1.35	.79	.34
1806	♀ ad.	do	11.65	16.80	5.10	5.25	1.07	—	.72	1.30	.75	.35
2016	♂ ad.	Mar 26, 1880	12.20	16.75	5.19	5.50	1.08	1.19	.70	1.45	—	—
<del>1805</del>	<del>♀ ad.</del>						1.09	1.20	.71			claw
Total Average (14 Spec.)			11.74	16.77	5.14	5.19	<del>1.09</del> 1.20	<del>.72</del>	1.39	.79	.36	
Average of 8 males			11.92	16.96	5.23	5.27	1.08	1.19	.70	1.45	—	—
Average of 6 females			11.63	16.66	5.08	5.14	1.09	1.21	.72	1.38	.79	.36





Myiarchus crinitus

Catal. No.	Sex & Age	Date	Length	Stretch	Wing	Tail	Bill to nostril	Gape	Tarsus	Middle toe	to claw	Middle toe to claw
6	♂ ad.	May 24, 1874.	—	—								
129	♂ ad.	Jun. 17, 1874.	—	—								
152	♂ juv.	July 30, 1875.	8.50	12.62	3.88	3.44						
153	♀ juv.	do	8.62	12.62	3.94	3.50						
178	♀ juv.	do	8.50	12.25								
733	♂ juv.	do	8.69	12.50								
734	♀ juv.	do	8.88	13.12	4.12	3.69						
757	♂ juv.	Sep. 19, 1875	8.75	—								
1171	♂ ad.	May 13, 1876	9.12	13.50	4.19	3.75						
1466	♂ ad.	May 25, 1877	8.86	13.50	4.15	3.75	cul. .67	1.09	.85	.50	.26	
1728	♂ ad.	May 21, 1878	9.05	13.45	4.07	3.75	cul. .62	1.09	.81			
LXXIX	♂ ad.	July 15, 1873	9.00	13.50								
LXXXV	♂ ad.	Sep. 24, 1873	7.50	13.90								

Contopus borealis.

737	♀	Aug. 27, 1875.	7.31	12.50	4.00	2.62						
749	♀	Sep. 18, 1875	7.50	12.88								
750	♀	do	7.56	12.88								
1250	—	Sep. 5, 1876	7.19	12.25	4.00	2.50						
1708	♂ ad.	May 16, 1878	7.37	12.88	4.15	2.85	.54	.97	.60	.46	—	.70

Florida specimens: Nos. 12326 ♂  
 " 12382 ♂  
 " 12561 ♂



# Contopus virens.

No.	Sex & Age	Date	Length	Stretch	Wing	Tail	Culmen	Bill to nostril	Gape	Tarsus	Middle toe	its claw	Middle toe and its claw
454	juv.	Spring, 1874	—	—									
729	♂ ad.	July 12, 1875	6.56	10.50	3.31	2.69							
1230	♀ juv.	Aug. 16, 1876	6.37	10.37	3.31	2.62							
1236	♂	Aug. 30, 1876	6.50	10.50	3.31	2.56							
1237	♂	" "	6.50	10.56	3.31	2.50							
1238	♂	" "	—	—									
1239	♂	" "	—	—									
1256	♀	Sept. 14, 1876	6.50	10.50	3.31	2.62							
1723	♂ ad.	May 20, 1878	6.60	10.95	3.45	2.70							
2,066	♂ ad.	Aug 9, 1880	6.60	10.90	3.40	2.65	.65	.42	.83	.50	.32	—	48

## Empidonax traillii.

1142	♂ ad.	May 26, 1876	6.00	9.19	2.88	2.31							
1143	♂ ad.	do	6.25	9.50	2.88	2.37							
2051	♂ ad.	May 13, 1880	6.03	9.40	2.85	2.31	.7	.35	.70	.66	.42	—	.58

## Empidonax minimus.

95	♂ ad.	May 1874	—	—									
182	—	Aug. 12, 1874.	—	—									
185	—	Aug. 10, 1874.	—	—									
652	♂ ad.	May 11, 1875.	5.25	8.25	2.56	2.21							
653	♀ ad.	do	4.94	7.50	2.37	1.94							
1135	♀ ad.	May 23, 1876.	5.44	8.19	2.56	2.25							
1136	♀ ad.	May 22, 1876.	5.50	8.00	2.37	2.13							
1139	♂ ad.	May 20, 1876	—	—	—	—							
1140	♀ ad.	May 8, 1876	5.37	8.12	2.50	2.25							
1141	♀ ad.	May 12, 1876	5.56	8.37	2.62	2.25							
1144	♂ ad.	May 8, 1876	5.50	8.25	2.53	2.19	most	gale	7.00	M.S.	MTC.		
2041	♂ ad.	Apr. 26, 1880	5.70	8.50	2.57	2.41	.31	.65	.65	.32	.49		

Empidonax flaviventris.

No.	Sex	Age	Date	Length	Stretch	Wing	Tail	Bill from nostril	Gape	Tarsus	Middle toe	Its claw	Middle toe and its claw
714	♂	ad.	May 31, 1875	5.69	8.75	2.62	2.25						
781	♂		Sep. 28, 1875	5.50	8.75	2.62	2.06	-	-	.59			
1122	♀	ad.	May 23, 1876	5.75	8.88	2.72	2.19						
1137	♂	ad.	May 26, 1876	5.62	8.69	2.75	2.12						
1138	♂	ad.	May 23, 1876	5.69	8.75	2.72	2.19						
1145	♂	ad.	do	5.69	8.88	2.75	2.19						
1739	♀	ad.	May 22, 1878	5.45	8.20	2.34	2.10						

Antrostomus vociferus.

No.	Sex	Age	Date	Length	Stretch	Wing	Tail	Culmen	Bill from nostril	Gape	Tarsus	Middle toe	Its claw	Middle toe and its claw
4	♂	ad.	June 1, 1874	—	—									
65	—	ad.	May 12, 1874	—	—									
641	♀	ad.	May 11, 1875	9.56	18.56	6.19	4.56							
785	♀	ad.	Sep. 30, 1875	9.50	19.00	6.00	4.50							
1127	♀	ad.	May 12, 1876	9.56	18.12	5.88	4.56							
1384	♂	ad.	May 14, 1877	9.91	18.70	6.25	4.50	.37	—	1.37	.75	.58	.25	
1881	♂	ad.	May 6, 1879	10.03	18.60	6.10	5.00	—	.30	1.28	.63	.65	.23	

Chordeiles virginianus.

681	♀	ad.	May 17, 1875	10.00	24.00	7.88	4.81							
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*Chaetura pelagica*  
~~*Chaetura nigricapilla*~~

No.	Sex & Age	Date	Length	Stretch	Wing	Tail	Culmen	Bill from nostril	Gape	Tarsus	Middle toe	Claw	Middle toe and its claw
2	♂ ad.	May 29, 1874	—	—	—	—	—	—	—	—	—	—	—
3	♀ ad.	do	—	—	—	—	—	—	—	—	—	—	—
593	♂ ad.	May 3, 1875	5.25	12.50	5.00	1.88	—	—	—	—	—	—	—
634	♂ ad.	May 11, 1875	—	—	—	—	—	—	—	—	—	—	—
635	♀ ad.	do	—	—	—	—	—	—	—	—	—	—	—
636	♂ ad.	do	—	—	—	—	—	—	—	—	—	—	—
1777	—	Sep. 23, 1878	5.38	<del>8.27</del>	—	—	—	—	—	—	—	—	—
1741	♀ ad.	May 21, 1878	5.35	12.37	—	—	—	—	—	—	—	—	—
1903	♂ ad.	May 10, 1879	5.40	13.00	—	—	—	—	—	—	—	—	—
1987	♂ ad.	Sep. 16, 1879	5.55	12.50	4.90	1.90	—	.16	.59	.48	.27	.21	—
1988	♂ ad.	do	5.45	12.25	4.90	1.88	—	.14	.60	.48	.27	.22	—
1989	♂ ad.	do	5.50	12.65	5.00	1.90	—	.14	.60	.47	.28	.22	—
2048	♂ ad.	May 3, 1880	5.50	12.20	4.90	1.95	—	.15	.58	.50	.33	—	.45

See note on the  
Oologist, Vol III, No. 8  
p. 61, 1877.

*Trochilus colubris*

No.	Sex & Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Claw	Middle toe and its claw
1	♀ ad.	May 30, 1874	—	—	—	—	—	—	—	—	—	—
688	♀ ad.	Sep 29, 1874	—	—	—	—	.59	—	—	—	—	—
678	♂ ad.	May 17, 1875	3.69	4.12	1.62	1.12	.59	—	—	—	—	—
697	♂ ad.	May 20, 1875	—	—	—	—	—	—	—	—	—	—
1703	♂ (juv?)	May 15, 1878	3.78	4.12	1.47	1.10	—	.80	—	—	—	—
2061	♂ ad.	June 17, 1880	3.75	4.12	1.52	1.20	.67	.80	.18	—	—	.24

# Ceryle alcyon.

Catalogue Number	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Bill from nostril	Clape	Tarsus	Middle toe	Its claw	Middle toe and its claw
50	—?	Apr. 13, 1874.	—	—									
137	♂	July 14, 1874.	—	—									
172	—?	Aug. 31, 1874	—	—									
173	—	do	—	—									
221	♀	Sep. 29, 1874.	12.68	21.12									
257	♀	Nov. 2, 1874.											
258	♀	2 Nov. 4, 1874.	12.75	22.00	6.25	3.62							
665	♂ ad.	May 11, 1875	13.00	22.50	6.00	3.44							
735	♂ juv	July 30, 1875	12.81	21.44	6.19	3.44	—	1.66					
783	♀	Sept 30, 1875	13.00	21.81	6.00	3.31							
787	♀	July 21, 1875	—	—									
804	♂	Oct. 13, 1875	13.06	22.56	6.25	3.69							
1146	♂ ad.	May 5, 1876	12.81	22.81	6.62	3.56							
1875	♂ ad.	April 22, 1879.	13.35	22.15	5.97	3.65	—	1.88	2.22	.43	.60	.35	—
Measurements of specimens not preserved													
	♂ ad.	April 19, 1879	13.35	22.00	6.10	3.90		1.81	2.92	.41	.58	.40	
	♂ ad.	Sept. 25, 1880.	—	—	—	—	2.22	1.70	2.85	.45	.62	.35	



# Picus villosus.

No.	Sex & Age	Date	Length	Stretch	Wing	Tail	Culmen	Bill from nostril	Gape	Tarsus	Middle toe	Its claw	Middle toe and its claw
168	♂ ad.	Sept. 1, 1874.	—	—									
348	♂ ad.	Jan. 16, 1875.	—	—									
437	♂ ad.	Feb. 17, 1875.	9.50	15.81	4.75	3.12	1.19						
497	♀ ad.	Mar. 15, 1875	—	—									
1330	♂ ad.	Nov. 12, 1876	9.69	15.88	4.88	3.12							
1332	♂ ad.	do	10.12	16.31	5.19	3.31	1.20	.97	1.30	.84	.50	.40	.85
1333	♀ ad.	do	9.50	15.62	4.94	3.50	1.27	1.03	1.38	.80	.60	.40	.85
1385	♀ ad.	May 14, 1877	9.00	15.12	4.61	3.04	1.04	—	1.15	.84	.55	.37	—
1527	♂ ad.	Dec. 28, 1877	—	—									
1829	♂ ad.	March 14, 1879	9.35	15.25	4.60	3.40	1.31	—	—	.84	—	—	—
1830	♀ ad.	do	8.95	15.35	4.50	3.18	1.16	—	—	.75	—	—	—
1970	juv.	Aug. 10, 1879.	—	—									
2010	♀ ad.	March 12, 1880	9.10	15.90	4.80	3.45	1.20	—	1.30	.83	<del>.50</del>	—	.80

# Picus pubescens.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	It. claw	Middle toe and its claw
30	♂ ad.	Mar. 7, 1874.	—	—								
63	♀ ad.	Apr. 12, 1874.	—	—								
163	♂ juv.	Sep. 3, 1874.	—	—								
175	♂ juv.	Aug. 26, 1874.	—	—								
317	♂ ad.	Dec. 29, 1874.	—	—								
337	♀ ad.	Jan. 7, 1875.	—	—								
350	♂ ad.	Jan. 14, 1875.	—	—								
371	♂ ad.	Jan. 20, 1875.	—	—								
421	♀ ad.	Feb. 1, 1875.	—	—								
449	♀ ad.	Feb. 26, 1875.	—	—								
466	♂ ad.	March 1, 1875.	—	—								
478	♂ ad.	March 3, 1875.	—	—								
726	♂ juv.	July 12, 1875.	6.62	11.75	3.56	—	—	—	—	—	—	—
738	♀ ad.	Feb. 1, 1875.	—	—								
746	♂ juv.	Sep. 7, 1875.	6.75	12.00	—	—	—	—	—	—	—	—
852	♂ ad.	Jan. 12, 1876.	6.25	11.75	3.62	2.75	.69	—	.69			
866	♂ ad.	Feb. 8, 1876.	7.00	12.12	3.62	2.56						
875	♀ ad.	Feb. 22, 1876.	7.12	12.31	3.81	2.62						
877	♂ ad.	Mar. 2, 1876.	7.00	12.12	3.69	2.50						
879	♀ ad.	Mar. 4, 1876.	6.62	11.94	3.66	2.31						
880	♂ ad.	do	6.94	11.88	3.53	2.31						
957	♂ ad.	Apr. 26, 1876.	—	—								
1331	♂ ad.	Nov. 12, 1876.	7.00	11.88	3.69	2.56	.69					
1529	♂ ad.	Dec. 29, 1877.	—	—			.69					
1557	♀ ad.	Feb. 21, 1878.	6.87	12.00	3.84	2.61	.61	—	.61			
1567	♀ ad.	Feb. 23, 1878.	6.87	12.10	3.86	2.49	—	—	—			

Female with <sup>66</sup>red nape.

Picus pubescens — continued.

No.	Sex	Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Its claw	Middle toe and its claw
1593	♂	ad.	Mar. 15, 1878	7.02	12.25	3.78	2.48	.69	—	.58			
1710	♀	ad.	May 17, 1878	—	—								
1769	♀	ad.	Feb. 23, 1878	6.87	12.10	3.86	2.49						
1792	♀	ad.	Nov. 17, 1878	6.65	11.90	3.60	2.35						
1823	♂	ad.	March 3, 1879	6.70	11.65	—	—						
1839	♂	ad.	March 26, 1879	7.00	11.95	3.65	2.80						
1953		pullus	July 7, 1879	—	—								
2,009	♀	ad.	March 12, 1880	6.75	11.90	3.75	2.55	.69	.78	.61	—	—	.60

Melanerpes erythrocephalus.

1334	♀	juv.	Nov. 1, 1876	9.44	17.25	5.37	3.31	—	—				
1492	♂	juv.	Sep. 25, 1877	9.90	17.70	5.36	3.25	1.02	1.27	.90			
1493	♀	juv.	do	9.36	17.25	5.10	3.22						
1525	♂	juv.	Dec. 28, 1877	—	—								
1528	♂	juv.	Dec. 29, 1877	—	—								
1526	♂	juv.	Dec. 28, 1877	—	—								
1530	♂	ad.	Jan 1, 1878	9.95	17.90	5.58	3.49	1.17	1.37	.87	.72	.39	—
1531	♂	ad.	do	9.96	17.80	5.60	3.30	—	—	—			
1661	♀	ad.	May 2, 1878	9.60	18.00	5.37	3.00	1.09	—	.80			



Sphyrapicus varius.

No.	Sex	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Its claw	Middle toe and its claw
238	♂ juv.	Oct. 8, 1874	—	—								
242	♀ juv.	Oct. 7, 1874	8.62	15.25	4.69	3.13						
243	♀ —	Oct. 15, 1874	<del>8.13</del>	<del>14.75</del>								
805	♂ juv.	Oct. 13, 1875	8.62	15.25	4.69	3.00						
882	♂ ad.	Mar. 7, 1876	8.37	15.31	4.75	3.06						
1282	♂ juv.	Sep. 29, 1876	8.00	14.50	4.48	2.88						
1296	♀ ad.	Oct. 3, 1876	8.62	15.75	5.12	3.44						
1292	♂ juv.	Sep. 30, 1876	8.81	15.50	5.00	3.00						
1304	♀ ad.	Oct. 4, 1876	8.69	15.50	5.12	3.37						
1305	♂ juv.	do	8.44	15.00	5.00	3.12						
1327	♂ ad.	Oct. 21, 1876	8.88	15.37	4.94	3.25						
1358	♂ ad.	May 5, 1877	8.62	15.50	4.83	3.00	.88	1.07	.75			
1482	♀ ad.	Apr. 26, 1877	8.25	15.30	5.00	3.06	<del>1.1</del>	—	.74	—	—	.85
1626	♀ ad.	Apr. 20, 1878	8.56	15.00	4.58	2.90	.86					
1635	♀ ad.	Apr. 25, 1878	8.80	15.85	4.80	3.18	.94	—	.78			
1684	♀ ad.	May 7, 1878	8.62	15.70	4.88	3.16						
1780	♀ juv.	Sep. 28, 1878	8.30	15.15	—	—						
1861	♂ ad.	Apr. 10, 1879	8.85	15.80	4.80	3.10	.97	1.13	.87			
1865	♀ ad.	Apr. 11, 1879	8.50	15.35	4.85	3.10	.90	1.04	.83			
1868	♂ ad.	Apr. 16, 1879	8.58	15.45	4.68	3.20	.94	1.04	.80			
1885	♀ ad.	May 7, 1879	8.62	15.60	4.92	3.43	.92	1.06	.68			

# Colaptes auratus.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Its claw	Middle toe and its claw
24	♂ ad.	June 8, 1874	—	—								
25	♂ ad.	May 20, 1874	—	—								
36	♂ ad.	May 1, 1874	—	—								
37	♂ ad.	May 2, 1874	—	—								
38	♂ ad.	May 6, 1874	—	—								
39	♀ juv	June 21, 1873	—	—								
40	♀ ad	May 7, 1874	—	—								
177	♂ juv.	Aug 19, 1874	—	—								
200	♂ juv.	Nov. 4, 1874	—	—								
538	♂ ad.	Apr. 2, 1875	—	—								
583	♂ ad.	Apr. 30, 1875	12.88	20.50	6.19	4.38	1.44	<del>1.60</del>				
1132	♀ ad.	May 5, 1876	11.81	20.00	6.06	3.88						
1320	♂ ad.	Oct. 18, 1876	13.00	20.81	6.19	4.75						
1350	♂ ad.	Apr. 21, 1877	12.73	20.20	6.25	4.75	1.41	—	96			
1615	♀ ad.	Apr. 11, 1878	11.80	20.40	6.15	4.88	1.43	1.60	1.16			
1871	♂ ad.	Apr. 19, 1879	13.30	20.80	6.25	4.90	1.47	1.65	1.12			
1942	♂ juv.	June 28, 1879	—	—								
2022	♀ ad.	Apr. 12, 1880.	11.90	19.40	5.88	4.15	1.30 <sup>1.00</sup>	1.45	1.10	.82	—	1.20
2046	♀ ad.	Apr. 28, 1880	12.85	21.00	6.35	4.55	1.47 <sup>1.12</sup>	1.58	1.18	.92	—	1.33

173  
172  
172  
169  

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4) 6.86  

---

1.72

34  
35  
40  

---

3) 109  

---

.36

7.25  
7.38  
7.50  
7.30  
6.85  
7.55  
7.40  

---

7) 51.23  

---

7.32

1.13  
1.13  

---

1.18  

---

2) 344  

---

1.15

Syrnium nebulosum.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen						
1328	♀ ad.	Oct. 23, 1876	19.25	44.75	13.00	8.88	-						

Scops asio.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen from base to tip	Culmen from cere	Gape	Tarsus	Middle toe	Its claw	Middle toe & claw	COLOR
241	♂ ad.	Oct 23, 1874	9.00	22.75	6.50	3.31								red
251	♂ ad.	Oct 24, 1874	-	-										red
712	♀ pullus	May 30, 1875	6.00	11.75	2.31	-								gray
718	♀ ad.	June 1, 1875	9.37	24.50	6.38	3.00								"
719	♂ ad.	June 2, 1875	9.00	22.12	6.25	2.88								"
809	♀ ad.	Nov. 6, 1875	9.56	24.00	6.31	3.12								"
1338	♀ ad.	Dec. 8, 1875	9.69	24.00	6.06	3.00								"
1339	♀ ad.	Dec 27, 1876	9.19	22.69	6.62	3.19	culm		gape					intermediate
1932	♀ ad.	May 23, 1879	10.15	25.25	6.45	3.10	.65	-	1.00	1.60	1.80	.48	-	red
1933	♂ ad.	do	9.25	23.50	6.50	3.00	.60	-	.95	1.48	1.80	.47		"
1934	pullus	do	-	-	-	-	-	-	-	-	-	-		gray

Otus vulgaris wilsonianus.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen measured from base to tip	Culmen measured from cere	Bill from nostril	Gape	Tarsus	Middle toe	Middle toe and its claw.
2021.	♂ ad.	Apr. 9, 1880	14.30	36.00	11.00	6.00	1.06	-	.54	1.20	1.55	1.11	1.65
2062.	♀ ad.	June 23, 1880	14.90	37.75	11.00	6.40	1.15	.70	-	1.32	1.68	-	1.85

Oubo virginianus, Bonaparte.

			Length	Stretch	Wing	Tail				
—	♂ ad	Mar 14, 1874	21.00	52.50						
1324	♂ juv	Oct. 17, 1876	21.88	55.25	14.38	8.63				

Nyctea arctica, Gray.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen			
815	♂ ad	Dec. 1, 1875 South side of Long Island	23.50	58.31	14.75	9.38				Iris yellow. Bill bluish black; stomach distended with feathers.

Pandion haliaetus carolinensis

No.	Sex and Age	Date	Length	Stretch	Wing	Tail				
—	♂ ad	Apr 1, 1873	—	—	—	—	—	—	—	—
—	♂ ad.	Oct 1, 1873	23.00	64.80	8	8.50				
42	♀ ad.	May 4, 1874	25.00	—	—	—				
43	♀ ad.	Nov. 25, 1873	23.40	65.00	—	—				
197	♂ juv	Sep 8, 1874	21.00	61.75	18.25	8.25				

Falco sparverius.

								Culmen measured from cere	Gape	Middle toe and claw	
1355	♂ ad	Apr. 25, 1877	10.42	22.38	7.37	4.85	—	—	.45	.70	1.21

Astur atricapillus.

								Cul.	Gape	tar.	wt	claw
2005	♀ juv.	Dec 2, 1879	23.75	44.25	13.10	11.00	90	1.40	2.88	1.81	77	

## Accipiter cooperi.

No.	Sex & Age	Date	Length	Stretch	Wing	Tail	Culmen			
1226	♀ ad.	May 10, 1876	19.75	35.00	10.13	8.75	—	—	—	

## Accipiter fuscus.

169	♂ juv.	Sep. 4, 1874	11.50	—	—	—				
1349	♂ ad.	Apr. 28, 1877	11.25	20.75	6.62	5.25	—	—	—	
1496	♂ ad.	Oct. 11, 1877	11.55	22.00	6.57	5.48	—	.65	1.96	1.19 (without claw)
1802	♀ juv.	Nov. 5, 1878	14.00	25.75	7.70	6.65	—	—	2.11	

## Buteo pennsylvanicus.

41	♀ ad.	May 4, 1874.	14.88	37.38	12.00	7.00							
1224	♂ ad.	May 3, 1876	15.69	36.69	10.81	6.50							
1225	♀ ad.	May 5, 1876	17.50	38.69	11.50	7.06		1.75					
1229	♂ juv.	Aug. 17, 1876	16.37	36.75	11.31	7.00							
1463	♀ ad.	May 25, 1877	18.85	36.70									
1976	♂ juv.	Aug. 23, 1879	15.50	34.50	10.25	6.70	.68	.45	1.20	2.35	1.70	1.18	.58
2,040	♂ ad.	Apr. 25, 1880	16.00	35.00	10.35	6.80	.74	.48	1.10	2.50	1.84	1.33	.65
2,072	♀ juv.	Sep. 11, 1880	16.45	36.25	11.00	7.10	.75	.70	1.10	2.40	1.80	1.33	
2,073	♀ juv.	do	16.75	37.12	11.15	7.20	.78	.73	1.14	2.45	1.85	1.32	

Buteo borealis, Gmelin.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Toe claw	Cere
LXL	♂ ad.	Oct. 11, 1873	21.00	48.50	—	8.50						
544	♂ ad.	April 4, 1875										
1853	♀ ad.	April 5, 1875	21.90	51.00	14.75	9.00	1.07	1.80	3.34	1.60	.88	.54

Haliaeetus leucocephalus Gmel.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Cere	Gape	Tarsus	Middle toe	Toe
LXLV	♀ juv	Nov. 14, 1873	36.90	80.00	—	12.90						
195	♀ juv	Sept. 15, 1874	32.25	84.00	22.50	12.13						
495	♂ ad.	March 12, 1875										
1222	♀ ad.	June 2, 1876	35.50	89.25	24.00	12.25						
1232	♀ ad.	Aug. 21, 1876	33.00	81.50	22.00	11.50						
1553	♂ ad.	Feb. 15, 1878	32.87	84.10								

weight 12 pounds  
weight 10 pounds

Zenaidura carolinensis, Bonaparte.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Bill post-nasal	Gape	Tarsus	Middle toe	Toe claw	MTC.
537	♂ ad.	Apr. 2, 1875	12.00	17.88	5.88	5.44			.75	.81	<del>.75</del>		1.00
963	♂ ad.	Apr. 29, 1876	11.81	18.25	6.06	5.50							
1874	♀ ad.	Apr. 22, 1877	11.60	17.00	5.25	5.50	.50	—	.72	.75	.72	.18	
2008	♂ ad.	March 6, 1880	12.10	18.85	6.05	5.20	.50	.36	.80	.86	.82	.25	1.05
2025	♀ ad.	Apr. 13, 1880	11.60	17.50	5.35	4.85	.57	—	.77	.86	.75	—	.92

Ectopustes migratorius, Sw.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Middle toe and claw
45	♂ ad.	May 2, 1874	—	—							
46	♀ ad.	do	—	—							
767	♂ juv	Sep. 21, 1875	15.31	24.00	7.38	6.50					
768	♂ —	do	16.62	24.25	7.75	8.00					
1396	♂ ad.	March 26, 1877	16.75	24.31	7.88	7.62	—	—	1.19	—	1.50
1847	♀ ad.	Apr. 3, 1879	15.60	23.85	7.75	7.00	.74	1.10	1.08	1.14	.37
1849	♂ ad.	Apr. 4, 1879	16.75	24.00	7.80	7.75	.75	1.18	1.10	1.14	.36
1850	♀ ad.	do	16.35	24.00	7.75	7.60	.72	1.06	1.05	1.10	.35
1851	♀ ad.	do	15.75	24.00	7.75	7.15	.68	1.05	1.07	1.06	.33
1852	♀ ad.	do	16.00	24.00	7.80	7.35	.68	1.05	1.09	1.06	.35
1869	♂ ad.	Apr. 19, 1879	16.55	24.75	8.00	7.75	.69	1.06	1.13	1.18	.38

Ortyx virginianus

836	♀ ad.	Dec. 21, 1875	10.13	15.19	4.31	2.62					
1337	♂ ad.	do	11.00	15.75	4.31	2.69					



Sonasa umbellus.

Number	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe
253	♂ juv	Oct. 29, 1874	—	—	—	—	—	—	—	—
269	♂ ad.	Nov. 11, 1874.	—	—	—	—	—	—	—	—
273	juv.	Nov. 20, 1874	—	—	—	—	—	—	—	—
411	♂	Jan. 24, 1875	—	—	—	—	—	—	—	—
459	♂	Mar. 2, 1875	—	—	—	—	—	—	—	—
484	♀	Mar. 10, 1875	—	—	—	—	—	—	—	—
485	♂	Mar. 5, 1875	18.25	24.00	—	—	—	—	—	—
876	♀	Feb. 22, 1876.	—	—	—	—	—	—	—	—
881	♂	Mar. 4, 1876.	18.50	23.50	7.00	6.38	—	—	—	—
1472	pullus	May 30, 1877	—	—	—	—	—	—	—	—
1473	pullus	do	—	—	—	—	—	—	—	—
1478	♂ juv pullus	June 18, 1877	6.00	11.00	—	—	—	—	—	—
1808	♂ ad.	Dec. 30, 1878	17.12	23.35	7.10	6.50	—	—	—	—
1825	♀ juv.	March 5, 1879	—	—	—	—	—	—	—	—
2060	pullus	June 5, 1880	—	—	—	—	—	—	—	—
III	—?	Feb. 15, 1873	17.50	22.00	—	—	—	—	—	—

*Philohela minor.*

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Claw	M.T.C.
267 LXXV	♀ ad. ♀ ad.	Nov. 3, 1874 July 11, 1873	10.50	19.00								

*Sallinago wilsoni.*

1312	♂ ad.	Oct. 16, 1876	11.13	17.25	5.31	2.50	2.53					
1313	♂ juv.	do	10.50	16.13	5.00	2.25	2.44					
1325	♂ ad.	Oct. 19, 1876	11.00	17.19	5.13	2.25	2.44					
1870	♂ ad.	Apr. 19, 1879	10.50	17.00	4.90	2.22	2.43	—	1.20	1.18	.28	—

*Notamus solitarius, Wilson.*

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape.	Tarsus	Middle toe	Claw
180	—	Aug 14, 1874	—	—	—	—					
199	♂	Sept. 16, 1874	8.00	16.19	—	—					
217	♂	do	8.00	16.19	5.13	2.06					
1160	♂ ad.	May 19, 1876	8.75	16.37	5.19	2.38					
1255	♂ juv.	Sept. 11, 1876	8.13	16.00	5.13	2.19					
1390	— ad.	May 15, 1877	8.53	16.45	5.39	2.26	1.11	1.20	1.18	.97	.20
2002	♂ ad.	Sept. 25, 1879	8.75	16.75	5.12	2.45	1.11	1.30	1.21	.95	.17

Tringoides macularius.

No. <sup>+</sup> <sub>+</sub> <sup>+</sup> <sub>+</sub>	Sex	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	T. Calc.
68	♂ ad.	May 9, 1874.									
181	—	Aug. 26, 1874									
562	♀ ad.	Apr. 26, 1875	7.81	13.81	4.50	2.19	.94	—	—	mtc .81	—
644	♂ ad.	May 10, 1875	8.00	13.81	4.44	—	—	—	—	—	—
960	♀ ad.	Apr. 29, 1876	7.75	13.62	4.31	2.12	—	—	—	—	—
973	♀ ad.	May 10, 1876	8.31	14.00	4.44	2.31	—	—	—	—	—
1128	♂ ad.	May 23, 1876	7.56	13.31	4.06	2.13	—	—	—	—	—
1131	♂ ad.	May 30, 1876	7.69	13.25	4.00	2.06	—	—	—	—	—
1176	♀ ad.	May 23, 1876	8.12	13.88	4.38	2.06	—	—	—	—	—
1262	♀ juv.	Sep. 14, 1876	7.81	13.75	4.31	2.25	—	—	—	—	—
1361	♂ ad.	May 8, 1877.	7.75	13.55	4.22	2.09	.99	1.08	1.93	.85	.19
1362	♀ ad.	do	7.82	13.85	4.48	2.12	.92	.98	1.93	.82	.18.
1665	♀ ad.	May 2, 1878	7.95	13.50	4.08	2.00	—	—	—	—	—

Tringa minutilla.

2000	♂ ad.	Sept 25, 1879.	6.15	12.00	3.70	1.58	.70	.68	.83	.60	.12
2001	♂ ad.	do	5.90	11.65	3.62	1.56	.66	.65	.79	.57	.12



*Nyctiardea grisea naevia.*

Number	Sex and Age	Date	Length	Stretch	Wing	Tail	Length to end of tarsus	Culmen from nostril	Culmen	Gape.	Length of Nostril	Tarsus	Alarux	Its claw	Inner toe	Its claw	Middle toe	Its claw	Outer toe	Its claw	Head & plumes
126	♂ ad.	June 4, 1874	27.00	46.10	11.80	4.68	33.15	2.11	3.17	4.36	.67	3.14	1.20	.76	188.56	2.70	.59	2.18	.47	8.60	1448 ♂ ad. May 23, 1877.
130	♀ ad.	do	25.68	46.15	12.00	4.40	32.75	<del>2.11</del>	3.07	4.10	—	3.32	1.31	.70	199.55	2.79	.52	2.10	.45	8.06	1449 ♀ ad. May 23, 1877.
131	♂ ad.	do	27.00	46.05	11.96	4.65	34.70	—	3.12	4.35	—	3.31	1.38	.85	189.62	2.85	.54	—	—	—	1450 ♂ juvenis May 23, 1877.
132	♀ ad.	do	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1491 ♂ juvenis August 27, 1877.
133	♂ ad.	do	25.00	45.25	11.50	4.75	—	—	2.82	—	—	3.26	—	—	—	—	—	—	—	—	1719 ♀ ad. May 18, 1878
134	♀ ad.	do	27.50	47.50	12.50	5.10	—	—	3.04	4.25	—	3.40	—	—	—	—	2.96	.57	—	—	1936 ♂ ad. May 30, 1879
<del>139</del>	♂ pullus	July 25, 1874	28.00	47.50	12.20	5.05	—	—	3.15	4.35	—	3.40	—	—	—	—	2.95	.55	—	—	1937 ♂ ad. May 30, 1879.
140	♂ ad.	do	25.00	44.25	12.00	4.70	—	—	3.03	<sup>4.13</sup> 4.20	—	3.20	—	—	—	—	2.85	.54	—	—	1938 ♀ ad. May 30, 1879.
1939	♂ ad.	May 30, 1879	27.10	47.75	12.60	5.20	—	—	3.27	4.40	—	3.46	—	—	—	—	3.12	.58	—	—	
1963	juv.	July 24, 1879	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1964	♂ juv.	do	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1965	♂ juv.	do	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2060.1	♀ ad.	June 5, 1880	24.25	44.50	11.40	4.50	—	—	2.85	3.90	—	3.23	—	—	—	—	2.96	.62	3.57	—	
2060.2	♂ ad.	do	25.90	45.25	11.60	4.55	—	—	3.10	4.10	—	3.20	—	—	—	—	2.92	.62	3.52	—	
2101	♂ ad.	Oct 6, 1880	25.50	44.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

etc

# Porzana carolina.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Length to end of toes	
170	♂ ad.	Sept. 8, 1874.	8.88	14.19	4.50	1.81					12.00	
171	♂	Sept 9, 1874	—	—	—	—						
212	♀	Sept 25, 1874	8.44	13.13	3.94	1.94					11.38	
213	♀	do	—	—	—	—						
745	♂ juv.	Sept. 4, 1875	8.88	14.00	4.25	—						
751	♀	Sept. 18, 1875	9.00	14.69								
1252	♂ juv.	Sept 6, 1876	9.75	15.25	4.63	2.12						
1307	♂ juv. <del>♂ ad.</del>	Oct. 4, 1876	8.75	14.00	4.31	2.00						
1329	♀ ad. <del>♀ juv.</del>	Sept 12, 1876	9.50	14.56	4.56	2.37					12.88	
1980	♂ juv.	Sept 6, 1879	9.12	14.40	4.32	2.25	.89	.90	1.40	1.45	.31	—
1982	♂ juv.	Sept. 9, 1879	9.40	14.50	4.20	2.12	.88	.96	1.39	1.48	.34	—
1983	3♀ juv	* do * So. Carolus	8.65	13.65	4.02	2.00	.78	.87	1.27	1.37	.32	—

# Fulica americana.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Length to end of toe	Culmen	Gape	Tarsus	Middle toe	Toe Claw	Mtc.
800	♂ ad.	Oct. 11, 1875.	14.50	26.00	7.19	1.94	2.00						
* Porzana carolina (C. carolinensis).													
2,078	♂ ad.	Sept 13, 1880	9.30	14.15	4.22	2.30	.45	.89	.95	1.35	1.37	.37	1.67
2,079	♂ ad.	do	9.35	14.25	4.35	2.30	.43	.87	.94	1.32	1.45	.38	1.75
2,080	♀ juv	do	7.85	14.00									
2,080	♂ juv	do	8.75	15.30	4.50	2.25	.42	.84	.90	1.40	1.45	.32	1.75

Branta canadensis.

Number Sex and Age	Date	Length	Stretch	Wing	Tail				
551 ♂ ad.	April 9, 1875								
<del>XXXXXX</del>	<del>XXXXXXXXXX</del>	<del>XXXXXX</del>	<del>XXXXXX</del>	<del>XXXXXX</del>	<del>XXXXXX</del>				

Anas obscura  
~~XXXXXXXXXXXXXXXXXXXX~~

Number Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Stape	Tarsus	Middle toe	H. to claw
550 ♂ ad.	Apr. 15, 1875									
1840 ♂ ad.	March 28, 1879.	24.50	38.50	11.00	4.35	2.33	2.65	2.00	2.17	.44
XXIII - ad.	Apr. 4, 1873	34.70	36.20	—	—					

Mareca americana.  
~~XXXXXXXXXXXXXXXXXXXX~~

Number Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Stape	Tarsus	Middle toe and its claw	Hind toe and its claw.
888 ♂ ad.	March 12, 1876	20.25	34.50	9.88	4.50	1.38	1.60	1.45	2.00	.52

Spatula clypeata

No. Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Tarsus			
1790 ♂ juv.	Novemb. 9, 1878	20.10	32.00	9.42	3.65	2.60	1.25	—	—	—

Aix sponsa.

No. Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	
244 ♂ juv.	Oct. 11, 1874	17.81	28.44	8.13	3.50					
1326 ♂ ad.	Oct. 23, 1876	16.13	29.44	8.44	4.56					
1783 ♀ ad.	Oct. 7, 1878	18.10	28.75	—	—	—	—	—	—	—

Fuligula marila.

Number, Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Toe to claw.
1841 ♂ ad.	March 28, 1879	19.65	33.75	8.80	2.85	1.69	2.23	1.58	2.50	.38

Fuligula affinis, Eytou.

No. Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	
LXLIII ♂ ad.	Dec. 6, 1873.	16.10	28.30							

Fuligula collaris.

Number, Sex and Age.	Date	Length	Stretch	Wing.	Tail	Culmen	Gape	Tarsus	Middle toe	
LXLIV ♂ ad.	Dec. 16, 1873	17.50	28.00							



Fuligula vallisneria.

No., Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Toe claw	Middle toe + claw length to end of toes
1341 ♂ ad.	March 23, 1877	22.31	35.12	9.25	2.62	2.94	2.56	1.75			26.50
1342 ♂ ad.	do	22.31	34.75	9.13	2.56	2.94	2.62	1.75			25.50

Bucephala clangula.

No., Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Toe claw	Middle toe and claw
819 ♀	Dec. 8, 1875.	17.13	29.00	7.81	3.00						
LXL 11 ♀	Dec 5, 1873	19.25	30.88								

Bucephala albeola.

No., Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Toe claw	Middle toe + claw
264 ♂ ad.	Nov. 7, 1874.										
270 ♀	Nov. 12, 1874										
271 ♂ juv	do										
XXX 1 ♀ ad.	April 23, 1873	12.60	21.40								

Harlelda glacialis.

No., Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Toe claw	MTC.
806 ♂ ad.	Oct. 19, 1875	21.81	30.00	8.31	7.75	<del>1.09</del>	—	—	—	—	—
1336 ♂ ad.	Nov. 29, 1876	13.94 <small>Exclusive of tail</small>	29.69	8.31	8.44	1.09	1.62		length of max. f. to middle retrices 4.94		
2111 ♂ ad	Nov. 13, 1880	23.00	31.10	8.75	8.75	1.12	1.77 2.25	1.10	2.20	1.95	claw 34

Oedemia americana.

No., Sex and Age.	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Its claw	Middle toe + claw
796 ♂ ad.	Oct. 9, 1875	20.50	33.63	8.56	3.63						
801 ♀	Oct. 11, 1875	18.38	32.75	8.13	3.63	1.63					
803 ♀ juv.	Oct. 13, 1875	18.19	31.88	8.13	3.38						
1499 ♀ ad.	Oct. 23, 1877	—	—	—	—						

Oedemia perspicillata.

No., Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Its claw	Middle toe + claw
802 ♀	Oct. 11, 1875	18.75	32.75	8.63	—	—	—	—	—	—	—
		20.40	34.00	9.15	3.40	1.53	2.58	1.82	2.67	.41	3.08

Oedemia fusca.

No., Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Its claw	Middle toe and claw	Bill from nostril
2110 ♂ ad.	Nov. 13, 1880	23.00	39.20	10.75	4.00	1.50	2.77	2.03	2.85	.40	3.25	—
792 ♂ ad.	Oct. 7, 1875	22.00	40.00	11.00	3.00	—	—	—	—	—	—	—
1500 ♀ ad.	Oct. 23, 1877	—	—	—	—	—	—	—	—	—	—	—
1501 ♂ ad.	Oct. 26, 1877	22.40	37.90	10.90	3.40	1.74	2.78	1.89	3.12	.47	—	1.22
1502 ♀ ad.	do	21.00	37.50	10.06	3.44	1.55	2.65	1.50	2.85	.42	—	1.10
1503 ♂ ad.	Oct. 27, 1877	—	—	—	—	—	—	—	—	—	—	—

Erismatura rubida.

No., Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Its claw	Middle toe + claw
261 ♀	Nov. 2, 1874										
262 ♀	do	14.37	22.50	5.63	2.75	1.62	1.81	—	—	—	—
1791 ♀ ad.	Nov. 15, 1878	14.80	21.70	5.12	3.10	1.55	—	—	—	—	—

Mergus merganser

Number, Sex and Age.	Date	Length	Stretch	Wing	Tail	Culmen	Loape	Tarsus	Middle toe	H. claw	Length to end of claw
1343 ♂ ad.	March 23, 1877.	26.65	37.00	10.30	4.75	2.73	2.75	1.92	m.t.c. 3.00	—	27.30
1344 ♀ ad.	do	24.30	34.00	9.45	3.95	—	—	1.80	2.80	—	25.00
1835 ♀ ad.	March 24, 1879.	24.00	33.00	9.00	4.35	1.92	—	2.00	—	—	—

Mergus serrator

Number, Sex and Age.	Date	Length	Stretch	Wing	Tail	Culmen	Loape	Tarsus	Middle toe	H. claw
265 ♂ juv.	Nov. 2, 1874									
1505 ♂ juv.	Nov. 3, 1877.	22.80	33.25	9.00	3.45	2.22	2.80	—	—	—
1506 ♀ ad.	do	22.50	33.00	8.80	3.25	2.27	2.86	—	—	—
1854 ♂ ad.	April 8, 1879.	23.75	34.25	9.25	4.25	2.27	2.87	1.87	2.40	.43
1855 ♂ ad.	do	24.25	35.50	9.50	4.20	2.42	2.92	1.85	2.35	.37
1856 ♀ ad.	do	21.60	33.00	9.05	3.75	2.16	2.61	1.75	2.21	.35

Mergus cucullatus.

Number, Sex and Age.	Date	Length	Stretch	Wing	Tail	Culmen	Loape	Tarsus	Middle toe	H. claw
272 ♂ juv.	Nov. 15, 1874.									
808 ♂ juv.	Nov. 6, 1875	18.38	26.50	7.25	3.81	—	—	—	—	—

Larus argentatus.

Number, Sex, and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	Its Claw
266 ♀ ad.	Nov. 9, 1874.									
268 ♀ juv.	do									
552 ♂ ad.	Apr. 4, 1875									
XX1 ♂ ad.	Apr. 3, 1873	24.00	59.50							

Larus philadelphia.

Number Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe & claw	Hallux	Its claw
1515 ♂ ad.	Nov. 17, 1877.	14.70	33.00	10.03	4.09	1.27	1.92	1.30	1.44	—	—
1516 ♂ ad.	do	14.52	33.65	10.32	4.50	1.17	1.85	1.34	1.44	.18	.12

Sterna fuliginosa.

Number, Sex and Age.	Date	Length	Stretch	Wing	Tail	Culmen					
1772 ♀ ad.	Sept. 13, 1878	17.05	34.70	11.00	6.60						

Colymbus torquatus.

Number Sex and Age	Date	Length	Stretch	Wing	Tail	Culm-	Gape	Tarsus	Middle toe	Its Claw
766 ♀ juv.	Sept. 21, 1875	30.50	54.00	13.50	—	—	—	—	—	—

Podiceps griseigena holtölli.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Depth to end of tail.	Culmen	Bill from nostril	Gape	Tarsus	Middle toe & claw.
1781	♂	October 4, 1878	20.75	34.90	7.33	—	26.63	1.95	1.35	2.54	2.62	3.00
1782	♂ (ad?)	October 7, 1878	22.35	34.25	7.30	—	—	2.11	—	—	2.60	—

~~Podiceps cornutus.~~

Podilymbus podiceps.

No.	Sex and Age	Date	Length	Stretch	Wing	Tail	Culmen	Bill from nostril	Gape	Tarsus	Depth to end of tail.
782	♀	Sep. 30, 1875	12.50	22.00	4.88	—	—	—	—	—	16.25
777	♀	Sep. 23, 1878	13.10	21.40	4.75	1.60	—	—	—	—	—
1977	♂	Aug. 25, 1879	14.25	23.75	5.10	—	.84	—	1.35	1.62	—
1994	♂	Sept. 19, 1879	14.75	23.25	5.05	1.50	.88	.55	1.66	2.30	2.00

Podiceps cornutus.

No.	Sex & Age	Date	Length	Stretch	Wing	Tail	Culmen	Gape	Tarsus	Middle toe	to nail	W.C.
553	♀ ad.	April 15, 1875	—	—	—	—	—	—	—	—	—	—
573	♀ ad.	April 29, 1875	13.63	24.00	5.19	—	.81	—	—	—	—	—
1859	♀ ad.	April 9, 1879	14.00	24.00	5.40	1.60	.88	1.25	1.77	1.67	.30	1.97
1860	♂ ad.	do	14.65	24.75	5.40	1.50	.93	1.37	1.93	1.75	.32	—