

*Lists of patients
1888-90*

U. S. A.
MEDICAL DEPARTMENT.

BLANK BOOK

Left Snelling + reached Douglas. July 5, 1890.
Left Douglas July 20.
Returned to Douglas July 24.
Returned to Snelling July 28.

From
with
Coville
2/24

7124 *Protonotaria* ... July 9, 1890. Camp Douglas, Wis.
 7300 *Sylvania carolinensis* ♂ ad. do
 7125
 7301 *Helminthophila ruficapilla* ♂ ad. do
 7126
 7302 *Mniotilta varia* ♀ ad. do
 7127
 7303 *Mniotilta varia* ♀ ad. do
 7128
 7304 *Myiarchus cinerascens* ♂ ad. do
 7129
 7305 *Myiarchus cinerascens* ♂ ad. do
 7130
 7306 *Myiarchus cinerascens* ♀ ad. do
 7131
 7307 *Mniotilta varia* ♀ ad. do
 7132
 7308 *Pentopus virens* ♂ ad. do
 7133
 7309 *Pentopus virens* ♀ ad. July 11, 1890
 7134
 7310 *Pentopus virens* ♀ ad. do
 7135
 7311 *Pentopus virens* ♂ ad. do
 7136
 7312 *Pentopus virens* ♂ ad. do
 7137
 7313 *Pentopus virens* ♂ ad. do
 7138
 7314 *Synalaxis cyanea* ♂ ad. do
 7139
 7315 *Spizella pusilla* ♂ ad. do
 7140
 7316 *Spizella socialis* ♀ ad. do
 7141
 7317 *Coccyzus erythrophthalmus* ♂ ad. do
 7142
 7318 *Seiurus aurocapillus* ♂ ad. do
 7143
 7319 *Geothlypis trichas* ♂ ad. do
 7144
 7320 *Melospiza fasciata* ♂ ad. do
 7145
 7321 *Brewer's* ♂ ad. July 14, 1890 do
 7146
 7322 *Turdus aonalaschkae pallasi* ♂ ad. July 14, 1890 do
 7147
 7323 *Spinus pinus* ♂ ad. do
 7148
 7324 *Trochilus colubris* ♂ ad. July 15, 1890 do
 7149
 7325 *Sturnella magna* ♂ ad. do
 7150
 7326 *Luscalus quiscula cinnerea* ♂ ad. do
 7151
 7327 *Melanerpes erythrocephalus* ♀ ad. do
 7152
 7328 *Pooecetes gramineus* ♂ ad. do
 7153
 7329 *Junco ludovicianus* ♂ ad. do
 7154
 7330 *"* ♀ ad. do
 7155
 7331 *Piranga rubra* ♂ ad. do
 7156
 7332 *Pooecetes gramineus* ♂ ad. do
 7157
 7333 *Sturnella magna* ♀ ad. do
 7158
 7334 *"* do do
 7159
 7335 *"* do do
 7160
 7336 *"* do do
 7161
 7337 *"* do do
 7162
 7338 *"* do do
 7163
 7339 *"* do do
 7164
 7340 *"* do do

7157
 7338 *Chordeiles virginianus* ♂ juv. July 16, 1890. Camp Douglas
 7158
 7339 *Melospiza cinerea* do do
 7165
 7340 *Chordeiles virginianus* ♂ ad. July 18, 1890 do
 7169
 7341 *Circus hudsonius* ♀ juv. July 26, 1890 do
 7170
 7342 *Helminthophila ruficapilla* ♂ ad. do do
 7171
 7343 *Progne subis* ♂ juv. do do
 7172
 7344 *"* ♂ juv. do do
 7173
 7345 *"* ♂ ad. do do
 7174
 7346 *Dendroica virens* ♂ ad. do do
 7175
 7347 *Geothlypis trichas* ♀ ad. July 25, 1890 do
 7176
 7348 *Catantopus stellaris* ♂ ad. do do
 7177
 7349 *Melospiza fasciata* ♂ juv. July 26, 1890 do

Number	Sex and age	Length	Wing	Tail	Culmen	Nostril	Alar	Midt	Gape	Tip of bill to center of nostril	Tip of bill to nostril	Base of bill to nostril	Tibia
7124													
7300	♂	171	305	78	69	15	10	9	10	19	25	37	24
7126	♂ ad	137	203	68	58	9.5	7	4.5	6	14	17.5	28.5	19
7302	♂	122	196	61	46	10	7.3	4	2.5	13	16	22	18
7127	♀ ad	132	215	70	53	11.5	9	4	5.5	16	19.5	31	19
7128	♀ ad	249	400	128	95	19	12	7.4	12	27	31.5	48	30
7304	♀ ad	226	345	111	103	19	15	7.2	12	25	31	45	28
7129	♂ ad	226	345	111	103	19	15	7.2	12	25	31	45	28
7130	♀ ad	210	275	85	92	16	11	11	9	21	3.5	41.5	26.5
7306	♀ ad	305	465	160	148	12	10	4.2	6	21	28	41	30
7131	♀ ad	305	465	160	148	12	10	4.2	6	21	28	41	30
7308	♀ ad	153	213	70	54	12.5	10	4	5.5	16.5	20	32	19
7133	♂	166	250	87	72	13	10	7.3	9	20.5	24	35	22
7309	♂	166	250	87	72	13	10	7.3	9	20.5	24	35	22
7134	♂ juv	144	230	55	84	10.5	8.5	6	18	24	25.5	40	31
7135	♀	141	224	71	61	10.2	7.5	5.8	6.3	11.5	15	27	19
7312	♂	183	292	93	73	15	10.2	5.8	10	23	26	40	25
7137	♂ ad	226	301	99	112	15.5	10.5	10.5	10	20	23	39	27
7313	♂ ad	226	301	99	112	15.5	10.5	10.5	10	20	23	39	27
7138	♂ ad	138	223	71	54	11	8.2	7	7	13	17	27	19
7314	♂ ad	140	208	64	62	10	6.5	5.9	11.5	26	26	26	18
7139	♂ ad	140	208	64	62	10	6.5	5.9	11.5	26	26	26	18
7140	♂ ad	140	222	72	62	9.9	7	5.7	6.2	11	14.5	26	15.5
7316	♂ ad	225	330	140	115	11	17	8.5	11.5	32	35	48	28
7141	♂	158	242	76	58	12.5	9	5	6	17	21	33	22.5
7318	♂	158	242	76	58	12.5	9	5	6	17	21	33	22.5
7143	♂ ad	135	188	59	54	12	8	3.8	5.7	14	18.5	31	19
7319	♂ ad	135	188	59	54	12	8	3.8	5.7	14	18.5	31	19
7144	♂ ad	168	225	70	75	13	9.2	8	8	14	19	32	22
7320	♂ ad	168	225	70	75	13	9.2	8	8	14	19	32	22
7146	♂ ad	188	304	96	77	14.5	10	5.3	8.8	23	26	41	26
7322	♂ ad	188	304	96	77	14.5	10	5.3	8.8	23	26	41	26
7142	♂ ad	136	230	75	53	11	9	7	6.5	12	16	28	19
7323	♂ ad	136	230	75	53	11	9	7	6.5	12	16	28	19
7148	♂ ad	94	102	40	31	15	—	1.8	2.5	19	23	30	14
7324	♂ ad	94	102	40	31	15	—	1.8	2.5	19	23	30	14
7149	♂ ad	250	392	121	78	32	21	12	10.5	35	39	59	29
7325	♂ ad	250	392	121	78	32	21	12	10.5	35	39	59	29
7150	♂ ad	331	466	149	139	32	24	15	12	38	42	65	35
7326	♂ ad	331	466	149	139	32	24	15	12	38	42	65	35
7151	♀ ad	244	431	135	86	26	21	8	12.5	34	39	56	30
7327	♀ ad	244	431	135	86	26	21	8	12.5	34	39	56	30
7152	♂ ad	163	277	57	66	12.3	8	8.5	8	14	19	33	22
7328	♂ ad	163	277	57	66	12.3	8	8.5	8	14	19	33	22
7160	♀ ad	127	223	70	48	9.5	7.4	7.2	6.1	11	14.5	25	18
7333	♀ ad	127	223	70	48	9.5	7.4	7.2	6.1	11	14.5	25	18
7165	♂ ad	231	607	110	115	4.7	5	—	—	27	28	37	31
7340	♂ ad	231	607	110	115	4.7	5	—	—	27	28	37	31
7173	♂ ad	210	425	150	84	11	8.5	—	—	23	25	38	28
7345	♂ ad	210	425	150	84	11	8.5	—	—	23	25	38	28
7174	♂ ad	143	225	74	58	11.3	8	—	—	15	20	31	21
7346	♂ ad	143	225	74	58	11.3	8	—	—	15	20	31	21

Muscle	Wing	Tail	Tibia	Tarsus	Claw	Primary cl	Outer cl	Primary beyond web	Tip of outer cl to base of inner web
18.5	18	13.0	5.5	13	5.5	4	3.7	2.8	3
18	15	10.3	5.0	11.5	5.4	—	—	15	5
18.5	14.5	10.7	4	11	4.8	3.5	5.2	13.5	4
18.5	17.5	13.0	4.6	16	6.2	4	4.1	15.2	2
33	29	23	6.5	20	7	5.8	5.3	31	2
21	18	13	5.5	16	9.5	5.5	5	21	5
24	26	19	7.5	20	9.5	7	6.5	8	10
21	25	19.2	6	17.5	6.6	5.2	5	48	7.3
18	17	13	5.5	16	6.5	4	4.1	15	2
14	14	9.0	5.5	13	6	4	3.6	26	5
17	21	15.5	6	13	7	5.5	4.6	7.2	16
18	16	12.0	4.6	13	5.8	3.7	3.2	11	5
31.5	23	17.3	6	18	7.5	4.1	4.1	19	5
29	27	19	8	20.5	10	7	6.5	13	9
18.5	17	12.5	4.8	12.5	5.4	4.1	4.1	12	4
19	17.5	13	5	13.5	6	3.6	3.2	7.5	4.5
17	16	12	4	13	6	3.5	3	9.5	4.0
24.5	23	16.5	7	14	5.4	5.2	5.5	5.3	6.2
23	17	13.2	4	14	5.2	3.3	3.3	12	—
21.5	17	12.7	4.5	13	6	4.2	3.8	9	6
31	23	21.5	6.2	16	8	—	7	9	—
31	24	18.4	6	16.5	7.3	4.5	4.4	21	—
14	17	11.2	6	12.5	5.7	4.3	4	16	5
4	6	—	—	—	—	—	—	23	9
40	55	47.5	9	31	12.5	7.5	7	13	5
39	36	26	10.5	29	12.5	8	7.5	28	2.8
24	26	17	9.5	14	6.2	8.5	8.5	3.2	2.2
23	19	13.2	6	15	7	5	4.5	9	5
14	15.5	10.7	5	12.5	5.5	4	5	15	5
15	21	14.5	7	9	3	4	3.6	7.3	—
17	21	15.3	6	15	6	5	4.2	7.0	21
18	17	4.4	13	13	6	4	3.4	17	3

iris brown - color

Progne subis

Birds seen at Camp Douglas, Wisconsin June 27 to 28, 1890.

- 1 *Bonasa umbellus*
- 2 *Sylvia pusilla*
- 3 *Parus carolinensis*
- 4 *Coccyzus erythrophthalmus*
- 5 *Colaptes auratus*
- 6 *Pooecetes erythrophthalmus*
- 7 *Chordeiles virginianus*
- 8 *Amblystomus vociferans*
- 9 *Chaetura pelagica*
- 10 *Myiarchus cinerascens*
- 11 *Tyrannus tyrannus*
- 12 *Tyrannus borealis*
- 13 *Coccyzus erythrophthalmus*
- 14 *Cyanocitta cristata*
- 15 *Molothrus ater*
- 16 *Icterus galbula*
- 17 *Chondestes grammacus*
- 18 *Pooecetes gramineus*
- 19 *Spizella socialis*
- 20 *Spizella socialis*
- 21 *Recurvirostra americana*
- 22 *Spizella socialis*
- 23 *Cyanospiza cyanea*
- 24 *Melospiza fasciata*
- 25 *Perisoreus erythronelas*
- 26 *Vireo flavifrons*
- 27 *Vireo olivaceus*
- 28 *Petrochelidon lunifrons*
- 29 *Progne subis*
- 30 *Minotilta varia*
- 31 *Helminthophila ruficapilla*
- 32 *Sayornis canadensis*
- 33 *Dendroica (virens ?)*
- 34 *Parus atricapillus*
- 35 *Sialia sialis*
- 36 *Turdus aonalaschkai fallaxi*
- 37 *Merula migratoria*
- 38 *Spizella socialis* - No. 7306 contained 1 to 2 days.

- 39 *Asio* ...
- 40 *Scirius* ...
- 41 *Harporhynchus rufus*,
- 42 *Spizella pusilla*. Nest 4 eggs July 13.
- 43 ... Nest 3 eggs July 13.
- 44 *Dendroica pensilvanica*
(... - Family (with young & parents))
- 45 *Cathartes aura* - One shot.
- 46 *Agelaius phoeniceus*.
- 47 *Melanerpes formicivorus*
- 48 *Pipilo maculatus*
- 49 *Pipilo maculatus*
- 50 *Pipilo villosus*
- 51 *Vireo gilvus*
- 52 *Vireo maculatus* ... July 14
- 53 *Actitis hypoleucos* - 2 ...
- 54 *Ardea herodias* ...
- 55 *Anas boschas* - ...
- 56 *Ceryle alcyon* ...
- 57 *Actitis macularia* - One July 15. Little Sioux River R
- 58 *Querquedula macularia*
- 59 *Sturnella magna*
- 60 *Geothlypis philadelphia*
- 61 *Colinus virginianus*
- 62 *Philohela minor*. Little Sioux River R. July 15
- 63 *Trochilus colubris*
- 64 *Circus hudsonius*
- 65 *Otocoris alpestris*
- 66 *Otocoris alpestris*
- 67 *Lanius borealis*
- 68 *Bubo virginianus*
- 69 *Bubo virginianus*
- 70 *Sitta carolinensis*
- 71 *Circus hudsonius*
- 72 *Buteo borealis*
- 73 *Dendroica pinus*

Specimens from Big Timber, Montana July 26, 1869.

...
 Aug. 12, 1888; July 31, 1888.
 ...

- Sagittaria arifolia var. ...
- Sagittaria arifolia var. ...
- Cyrtopogon (saxifraga?) Wood Aug. 29, 1889.
- Phlox pilosa July 11, 1888 July 14, 1888
- Centium deltoidea Sept. 16, 1888; Aug. 29, 1889;
- Banisia Caroliniana Aug. 14, 1888
- Lobelia sp. July 30, 1888; Aug. 30, 1888; Aug. 30, 1888,
- Lobelia ... Sept. 16, 1888; Sept. 14, 1889.
- Geranium ... July 16, 1888.
- ... Aug. 29, 1889; Aug. 14, 1889.
- ... July 29, 1887; Sept. 1, 1888; July 18, 1888;
- ... June 23, 1888.
- Polanisia graveolens Aug. 14, 1889
- Polygonum ... July 20, 1888
- ... July 30, 1888; July 21, 1888;
- ✓ Rosa (blanda?) June 20, 1888.
- Crucifera sepium July 21, 1888
- Campanula rotundifolia July 21, 1888; June 22, 1888; June 23, 1888
- Paulownia ... July 5, 1889
- ... Fruitage; Fr.
- ... Fr. March, 1887.
- ... May 12, 1889.
- ... May 22, 1889 (fl.); June 10, 1889 (fl. & fr.); June 10, 1889.
- Phlox divaricata May 12, 1889.
- Dolichopus (azurescens) June 23, 1888; June 24, 1888; July 3, 1888; June 25, 1888; July 4, 1888
- ... July 3, 1888; July 3, 1888; July 15, 1888; July 21, 1888;
- ... (flowers mostly in ...);
- Acorus Calamus Aug. 4, 1888 (fl. ? or fruit ?).
- Spiraea salicifolia July 30, 1888.
- Geranium macranthum June 14, 1888.
- Habenaria virens, var. bracteata. June 18, 1888; June 5, 1889;
- Orchis spectabilis Fr. June 12, 1888.
- Habenaria hookeri June 12, 1888.
- ... July 16, 1888.
- ... June 24, 1888; June 20, 1888.
- Valeriana edulis May 30, 1889.
- Sanguinaria canadensis June 10, 1889 (leaf only)

- Saxifraga ... June 23, 1888 fl.; June 18, 1888 fl.
- ✓ Allium (Canadense?) July 4, 1888.
- ... (Canadian?) June 10, 1889; June 18, 1888; to this a 2-leaf form of S. trifolium?
- ... June 10 (fr.) May 12, 1889 fl; May 6, 1889
- ... June 19, 1888.
- ... May 12, 1889; May 12, 1889; May 12, 1889; May 12, 1889.
- Quercus macrocarpa Fr.; Fr.
- Quercus ... (var. ambigua?)
- Prunus virginiana (Choke Cherry) Aug. 4, 1889 (fruit)
- Corylus Americana. Fr. June 20, 1888
- Cornus piceolata. June 20, 1888.
- Feria Americana Aug. 4, 1888 (fruit)
- Ulmus Americana. Branch of leaves Aug. 4, 1888.
- Populus tremuloides do do
- ... do do
- ... do do
- Habenaria psycodes July 18, 1888; July 18, 1888.
- Habenaria hyperborea June 20, 1888.
- Asclepias bulbosa. Mora, Kenabe Co., Minn June 22, 1889 several spec.
- Cypripedium acule. June 22, 1889. Mora, Kenabe Co., Minn.
- Sarracenia purpurea. June 22, 1889, Mille Lacs, Minn.
- Viburnum Opulus. June 22, 1889. Mora, Kenabe Co., Minn.
- Palta palustris. June 22, 1889 (flowers!) Mora, Kenabe Co., Minn.
- Cornus Canadensis do do
- Meryanthes trifoliata (fl) do do
- Elytoma borealis do (several specimens) do
- Ledum latifolium. Fr. June 22, 1889, do
- Fritillaria grandiflora do do
- Galium boreale do do
- Cypripedium spectabile. Fr. Sudling. June 23, 1888.
- " pubescens. June 23, 1888; June 10, 1889; June 10, 1889.
- Lilium superbum. July 26, 1888; July 26, 1888; July 26, 1888;
- Campanula Canadensis July 21, 1888; July 21, 1888; July 21, 1888.
- ... July 7, 1888 (fl. pink-fragile). July 19, 1888 (bright rose color)
- ... July 24, 1888 (white); July 19, 1888 (various); July 11 do
- Asclepias incarnata. July 18, 1889.
- " ... June 16, 1888 (poor specimen)
- " corvuti. July 12, 1888; July 16, 1888;
- " heteroza. July 12, 1888; July 20, 1888.

Andropogon furcatus Aug. 10, 1889; Aug. 13, 1889; Sept. 7, 1889; do.
 " *viridifolius* Aug. 10, 1889; Aug. 13, 1889; Aug. 13, 1889; Aug. 13, 1889.
 " *serotina* (intermediate bet. *giganteus* & *canadensis*) (Aug. 16, 1889); do.
 " *rigida* Aug. 14, 1889; Aug. 30, 1888.
Galium boreale June 29, 1888.
Urena pennsylvanica June 14, 1888.
Vicia americana June 10, 1889.
Ambrosia artemisiifolia Aug. 10, 1889.
Rudbeckia laciniata Aug. 10, 1889.
Helianthus alba Aug. 10, 1888.
Oxybaphus nyctagynus June 11.
Prodycaea pubescens Sept. 17, 1889. Camp French, near Corcoran, Va.
Aphelocoma hyemalis Sept. 21, 1889. Camp Fremont, near Asseco, Va.
Helianthus scaberrimus Aug. 13, 1889; Aug. 14, 1889.
Milium gracile July 31, 1888.
Veronica fasciculata Aug. 13, 1889.
Solidago nemoralis Aug. 10, 1889; Aug. 15, 1889; Sept. 7, 1888.
Ambrosia canescens Aug. 12, 1889; July 30, 1888; July 31, 1888.
Tanacetum vulgare Aug. 14, 1889.
Silphium perfoliatum Aug. 12, 1889; Aug. 12, 1889; Aug. 12, 1889.
Nymphaea odorata July 24, 1888; July 10, 1888.
Verbena hastata July 15, 1888; July 15, 1888.
Verbena vulgaris July 5, 1888. Bladder. sicut. in same branches.
Ambrosia lucida Aug. 4, 1888; Aug. 3, 1888.
Helianthus divaricatus Sept. 1, 1888; Aug. 29, 1889; Aug. 29, 1889.
Liatris scariosa Sept. 1, 1888; Aug. 28, 1889; Aug. 14, 1889; Aug. 19, 1889.
Liatris punctata Sept. 1, 1888; Sept. 1, 1888.
Liatris pycnostachya July 31, 1888; July 31, 1888; July 31, 1888; Aug. 28, 1889.
Solidago speciosa Sept. 9, 1888; Aug. 19, 1889.
Aster laevis Sept. 9, 1888.
Aster multiflorus Sept. 9, 1888.
Kuhnia eupatoriodes Aug. 23, 1889; Aug. 27, 1889; Aug. 27, 1889.
Sambucus canadensis July 20, 1888 (fl.)
Nuphar advena July 24, 1888.
Pycnanthemum lanceolatum July 29, 1888.
Petalostemon volacium July 30, 1888; July 30, 1888; Aug. 19, 1889.
Petalostemon candidum July 30, 1888; July 30, 1888; July 30, 1888.
Helianthus strumosus Aug. 1, 1888; July 21, 1888; Aug. 15, 1889.

Cannabis sativa Aug. 1, 1888 (fl.); Oct. 1, 1889 (fr.)
Tappa officinalis Aug. 1, 1888.
Delula pycnostachya Branch of leaves Aug. 4, 1888.
Prunus americana Aug. 4, 1888 (fl.)
Silene pallida July 17, 1889; July 14, 1889.
Leontodon quinquiflorus var. *occidentalis* Lake Johanna, ? Co., Minn.
Ambrosia artemisiifolia Aug. 29, 1889.
Thalictrum acutifolium Camp Fremont, near Asseco, ? Co., Minn.
Hydrocotyle elliptica do; do; do
Leontodon pubescens Sept. 24, 1889; Lake Johanna, ? Co., Minn.
Solidago speciosa var. *angustata* Coon Creek, Minn. Sept. 1889.
Leontodon ovatum Sept. 24, 1889.
Cirsium pumilum Aug. 1, 1888.
Coropsis palmata July 16, 1888.
Marrubium latifolium July 18, 1888.
Thysanopsis villosa Sept. 9, 1888.
Helianthus autumnalis Aug. 27, 1889.
Artemisia ludoviciana
Viola cucullata Camp French, near Corcoran, ? Co., Minn. Sept. 1889.
Viola cucullata Mt. Sucker, Minn. May 12, 1889.
Viola canadensis June 10, 1889; June 10, 1889; June 10, 1889; do;
Viola pubescens May 12, 1889.
Viola pedata Many specimens, 12, 1889.
Artemisia frigida Oct. 1, 1889.
 " *dracunculoides* Oct. 1, 1889.
Agrimonia eupatoria Aug. 11, 1889.
Quercus cineraria branch of leaves Aug. 4, 1888.
Sedum album acuminatum Aug. 15, 1889.
Thlaspi trifolium var. *apterum* Sept. 4, 1889.
Verbena stricta Sept. 4, 1889.
Helianthus divaricatus Aug. 19, 1889. This is int. mediate between *H. divaricatus* + *hirsutus*. *Amphicarpaea* is the climber.
Sagittaria variabilis - specimens with the lobed leaf specimen.
 (The largest leaf)
Helianthus annuus - July 10, 1889.

Notes on the Summer Birds of Southeastern Minnesota.

These notes are based on observations made in ^{marching} ~~a march~~ of 227½ miles, from Fort Snelling, Minnesota to Camp Douglas, Wisconsin, with the 3d U. S. Infantry, ~~for~~ occupying the period from ^{July} 18th to 24th, inclusive. The route was southeast through Dakota, Grodhuie and Olmsted Counties to ^{near the head of Root River} Chatfield, whence it was directly east, following ^{to its junction with the Mississippi, opposite La Crosse} Root River, across Fullmore and Houston Counties ~~to~~, Wisconsin. From La Crosse, Wisconsin we proceeded eastward along ^{the} La Crosse River, and ^{crossing} ~~crossed~~ the watershed at a point east of Sparta to ^{valley of the} Louisa, a tributary of the Wisconsin River, in Juneau County, having ^{traversed} crossed the Counties of La Crosse and Monroe, Wisconsin.

During these ^{seventeen} ~~seventeen~~ days of occupied by this trip the weather was warm and fine, and all of the birds observed ~~were~~ are believed to have been ~~breeders~~ on their breeding grounds. ~~After leaving the Minnesota River valley, which is pretty well wooded, the country was mostly high rolling prairie, with scattered bits nearly all cultivated, with timbered edges to the streams, and timbered~~

From Fort Snelling to Rock River, a distance
of — miles, after leaving the rather
well wooded valley of the Minnesota
River, the country was mostly ~~cultivated~~
high rolling prairie, ~~highly~~ ^{chiefly} ~~cultivated~~ ^{fenced and} cultivated,
with occasional bits of woodland, and
~~wooded~~ ^{timbered} edges to lakes and streams, which
latter reach the Mississippi through the
Cannon and Zumbro rivers. ^{The valley of} Rock
River, along which our route lay for
— miles, is ^a ~~rather~~ rugged and
strip, differing essentially ^{in its} ~~in its~~ ^{Zoological} biological
~~features~~ from the ~~open~~ open region
previously traversed, and characterized
by a more southern flora and fauna,
which also much more closely resembles
that of the immediate valley the Mississippi
River. The valley of La Crosse ^{in Wisconsin,} presents
no ~~very striking~~ ^{strikingly} ~~peculiarities,~~ ^{features,}
~~though~~ ^{being} in the main similar to Rock River,
~~valley~~ ^{though} ~~through~~ ^{through} ~~tamarack swamps were here first encountered.~~ ^{that of}
From Sparta to Camp Douglas, ~~Wisconsin~~
the soil ~~changes to~~ is disintegrated Potsdam
sandstone, and the region ^{occupied} ~~is~~ ~~covered~~ ^{is}
one of pine barrens, ~~being~~ ~~covered~~ with
~~scrub, spruce and~~ pines, with occasional
swamps of tamarack, ~~white and black spruce.~~ ^{and}
It is ~~east~~ ^{crossed} by a high ridge, ^{covered with a forest of} ~~deciduous trees,~~
~~marking~~ ^{defining} the watershed of the Wisconsin
River:

Ceryle alcyon
Dryobates villosus
Dryobates pubescens
Sphyrapicus varius
Melanerpes erythrocephalus

Colaptes auratus
Antrostomus vociferus
Chordeiles virginianus
Chordeiles v. heurnyi

Chaetura pelagica
Trochilus colubris
Tyrannus tyrannus
Myiarchus cinerascens
Sayornis phoebe
Pentopus viridis
Eupidonax minimus
Otocoris alpestris praticola
Cyanocitta cristata

Corvus americanus
Dolichonyx oryzivorus
Molothrus ater
Xanthocephalus xanthocephalus
Agelaius phoeniceus
Sturnella magna
Sturnella neglecta
Icterus spurius
Icterus galbula
Quiscalus quiscula cæneus
Spinus tristis
Pooecetes gramineus
Ammodramus sarranarum passerinus
Chondestes grammacus
Spizella socialis

Podilymbus podiceps
~~*Hydrochelidon nigra surinamensis*~~
Merganser americanus

Anas boschas

Anas discors

Aix sponsa

Botaurus lentiginosus

Botaurus exilis

~~*Ardea herodias*~~

Ardea virescens

Nycticorax nycticorax naevius

Kallus virginianus

Gallinula galeata

Fulica americana

Philohela minor

Tyringa bairdii

Totanus solitarius

Bartramia longicauda

Actitis macularia

Aegialitis vocifera

Colinus virginianus

Bonasa umbellus

Tympanuchus cupido

Octopistes migratorius

Zenaidura macroura

Circus hudsonius

Accipiter cooperi

Buteo borealis

Buteo latissimus

? *Aquila chrysaetos*

Syrnium nebulosum

Megascops asio

Bubo virginianus

Coccyzus americanus

Coccyzus erythrophthalmus

- ✓ *Podilymbus*. - 7434, 7435,
 ✓ *Garus phil.* - 7321,
 ✓ *Hydrochelidon*. - 7401, 7402, 7403, 7447
 ✓ *Phalacrocorax delocheus*. - 7297, 7516.
 ✓ *Anas discors*. -
 ✓ *Botaurus lentiginosus*. - 7325,
 ✓ *Botaurus exilis*. - 7432, 7433, 7441, 7443.
 ✓ *Rallus virginianus*. - 7326,
 ✓ *Fulica americana*. - 7307, 7440
 ✓ *Gallinula galeata*. - 7442.
 ✓ *Porzana carolina*. - 7400, 7431, 7512.
 ✓ *Symphemia semipalmata*. - 7470,
 ✓ *Aegialitis vocifera*. - 7476,
 ✓ " *semipalmata*. - 7391,
 ✓ *Bartramia longicauda*. - 7477
 ✓ *Colinus virginianus*. - 7335, 7485,
 ✓ *Bonasa*. - 7525, 7526, 7527, 7536
 ✓ *Tympanuchus*. - 7300, 7524, 7535.
 ✓ *Pediocætes*. - ^{7528, 7529} 7530, 7531, 7537, 7541, 7549, 7550,
 ✓ *Zenaidura*. - 7365,
 ✓ *Accipiter cooperi*. - 7351, 7500.
 ✓ *Buteo borealis*. - 7289,
 ✓ *Buteo latissimus*. - 7324, 7564
 ✓ *Syrnium nebulosum*. - 7487.
 ✓ *Megascops asio*. - 7279
 ✓ *Buteo virginianus arcticus*. - 7545,
 ✓ *Coccyzus americanus*. - 7453.
 ✓ *Coccyzus erythrophthalmus*. - 7388, 7389, 7467
 ✓ *Ceryle alcyon*. - 7511,
 ✓ *Charitonetta albeola*. - 7301.

- ✓ *Dryobates villosus*. - 7489,
 ✓ *Dryobates villosus leucomelas*. - 7540, 7543, 7544, 7548.
 ✓ *Picoides americanus*. - 7547
 ✓ *Sphyrapicus varius*. - 7317,
 ✓ *Melanerpes erythrocephalus*. - 7484,
 ✓ *Colaptes auratus*. - 7308, 7309, 7346, 7366, 7483, 7493,
 ✓ *Chordeiles virginianus*. - 7451, 7452, 7510.
 ✓ *Chaetura pelagica*. - 7460,
 ✓ *Froelichus colubris*. -
 ✓ *Tyrannus tyrannus*. - 7474, 7490.
 ✓ *Myiarchus crinitus*. - 7469,
 ✓ *Sayornis phoebe*. - 7458,
 ✓ *Contopus virens*. - 7377,
 ✓ *Empidonax minimus*. - 7359, 7436,
 ✓ *Otocoris alpestris praticola*. - 7284, 7285, 7318, 7319, 7320, 7455,
 ✓ *Cyanocitta cristata*. - 7288, 7565,
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 ✓ *Prisoreus canadensis*. - 7517, 7518, 7519, 7532, 7533, 7534, 7538, 7539,
 ✓ *Corvus americanus*. - 7464,
 ✓ *Dolichonyx oryzivorus*. - 7330, 7370, 7371,
 ✓ *Molothrus ater*. - 7413, 7444,
 ✓ *Xanthocephalus*. - 7369, 7439, 7444, 7445, 7446,
 ✓ *Agelaius*. - 7338,
 ✓ *Sturnella magna*. - ~~7298~~, 7302, 7303, 7304, 7305, 7316, 7367, 7368
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 ✓ *Sturnella neglecta*, - 7306, 7350,
 ✓ *Icterus spurius*. - 7407, 7438,
 ✓ *Icterus galbula*. - 7352, 7353, 7376, 7408,
 ✓ *Quiscalus quiscula aeneus*. - 7296, 7336, 7349,
 ✓ *Coccythraustes vespertina*. - 7281, 7282, 7283,
 ✓ *Acanthys linaria*. - 7521, 7560, 7561, 7562, 7563.
 ✓ *Spinus tristis*. - 7311, 7331, 7332, 7354, 7505,
 ✓ *Petrophaga nivalis*. - 7522.
 ✓ *Calcarius lapponicus*. - 7312, 7313, 7314, 7315, 7523.
 ✓ *Pipilo omeleator*. - 7520, 7546, 7557, 7559.

✓ Poocætes. — 7295,

✓ Ammodramus leconteii. — 7310.

✓ Zonotrichia querula.

✓ " albicollis. — 7342, 7514.

✓ Spizella monticola. — 7286, 7290,

✓ Spizella socialis. —

✓ Spizella pallida. — 7461,

✓ Junco hyemalis. —

✓ Melospiza fasciata. — 7375,

✓ Melospiza lincolni. — 7364

✓ Passerella iliaca. —

✓ Pipilo erythrophthalmus. — 7481, 7482,

✓ Habia ludoviciana. — 7329, 7333, 7372, 7373, 7473, 7475,

✓ Passerina cyanea. — 7419, 7420, 7456,

✓ Spiza americana. — 7471, 7472, 7478, 7479, 7480,
7494, 7495, 7501,

✓ Piranga erythronelas. — 7415, 7416, 7417, 7418, 7448, 7462, 7463, 7465, 7486,

✓ Tachycineta bicolor. — 7292, 7293, 7294,

✓ Chondestes riparia. — 7429, 7430,

✓ Stelgidopteryx serripennis. — 7322, 7405, 7406,

✓ Lanius borealis. — 7280, 7299,

✓ Norio olivaceus. — 7404, 7450, 7457,

✓ Norio gilvus. — 7380, 7409,

✓ Norio flavifrons. — 7378, 7379,

✓ Norio solitarius. — 7348,

✓ Mniotilta varia. — 7347, 7496, 7497,

✓ Helminthophila chrysoptera. — 7357, 7358, 7459, 7468,

✓ Helminthophila celata. — 7339,

✓ " ruficapilla. — 7509.

✓ " peregrina. — 7356, 7382, 7383, 7395, 7396, 7397, 7412,

✓ Compsothlypis americana. — 7425,

✓ Dendroica aestiva. — 7362, 7392, 7393, 7394, 7449, 7454,

✓ Dendroica coronata. — 7323, 7328,

✓ Dendroica pennsylvanica. — 7503,

- ✓ *Dendroica striata*. - 7428,
 ✓ *Dendroica virens*. - 7345, 7426,
 ✓ " *vigorsii*. - 7488,
 ✓ *Seiurus aurocapillus*. - 7492, 7499,
 ✓ *Geothlypis trichas*. - 7355, 7384, 7411, 7502, 7508.
 ✓ *Sylvania pusilla*. - 7343, 7344, 7421,
 ✓ " *canadensis*. - 7422, 7423, 7491.
 ✓ *Setophaga ruticilla*. - 7363, 7385, 7410, 7424,
 ✓ *Arthus pensilvanicus*. - ?
 ✓ *Baleoscoptes carolinensis*. - 7386, 7387, 7513,
 ✓ *Harporhynchus rufus*. - 7337, 7466,
 ✓ *Troglodytes aedon parkmanni*. - 7334, 7360, 7437,
 ✓ *Cistothorus stellaris*. - 7398, 7399, ~~7515~~
 ✓ *Cistothorus palustris*. - 7515.
 ✓ *Certhia familiaris americana*. - 7287
 ✓ *Sitta carolinensis*. -
 ✓ *Parus atricapillus*. - 7498, 7558,
 ✓ *Regulus satrapa*. - 7291
 ✓ " *calendula*. - 7381,
 ✓ *Turdus* sp.? - 7390, 7427, 7506,
 ✓ *Turdus mustelinus*. - 7327, 7340, 7341, 7374,
 ✓ *Turdus aliciae*. - 7361,
 ✓ *Turdus aonalaschkae pallasii*. - 7507,
 ✓ *Merula migratoria*. - 7504,
 ✓ *Sialia sialis*. -

Sporus tristis sex.

Turdus spp.

Sturnella spp.

Parus atricapillus

Turdus mustelinus

Turdus aonalaschkae pallasii

Merula migratoria

Sialia sialis

Spizella pallida

Spizella pusilla

Melospiza fasciata

Melospiza georgiana

Pipilo erythrophthalmus

Cardinalis cardinalis

Habia ludoviciana

Passerina cyanea

Passer domesticus

Piranga erythromelas

Progne subis

Petrochelidon lunifrons

Chelidon erythrogaster

Tachycineta bicolor

Civicola riparia

Stelgidopteryx serripennis

Amphispiza cedrorum

Lanius ludovicianus

Vireo olivaceus

Vireo gilvus

Vireo flavifrons

Mniotilta varia

Dendroica aestiva

Dendroica pensylvanica

Seiurus aurocapillus

Seiurus noveboracensis

Geothlypis trichas

Setophaga ruticilla

Galeoscoptes carolinensis

Harpodynchus rufus

Troglodytes aedon parkmanii

Cistothorus stellaris

Cistothorus palustris

Sitta carolinensis