

## Francis Galton's Notes for the Knapsack Guide

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1/2/7/7

F. 1a

Knapsack Guide  
1<sup>st</sup> - attempts

XI 7



Hours	Miles	Hours	Route
0	10		Bex.
1		9	Gyion
2		8	Soulaley
3		7	Anzindas
4		6	Col
5		5	Derbotenz
6		4	Bridge
7		3	Acents
8		2	St Bernhard
9		1	Conthay
10		0	Sion

Bex

Gyion

Soulaley

Anzindas

Col

Derbotenz

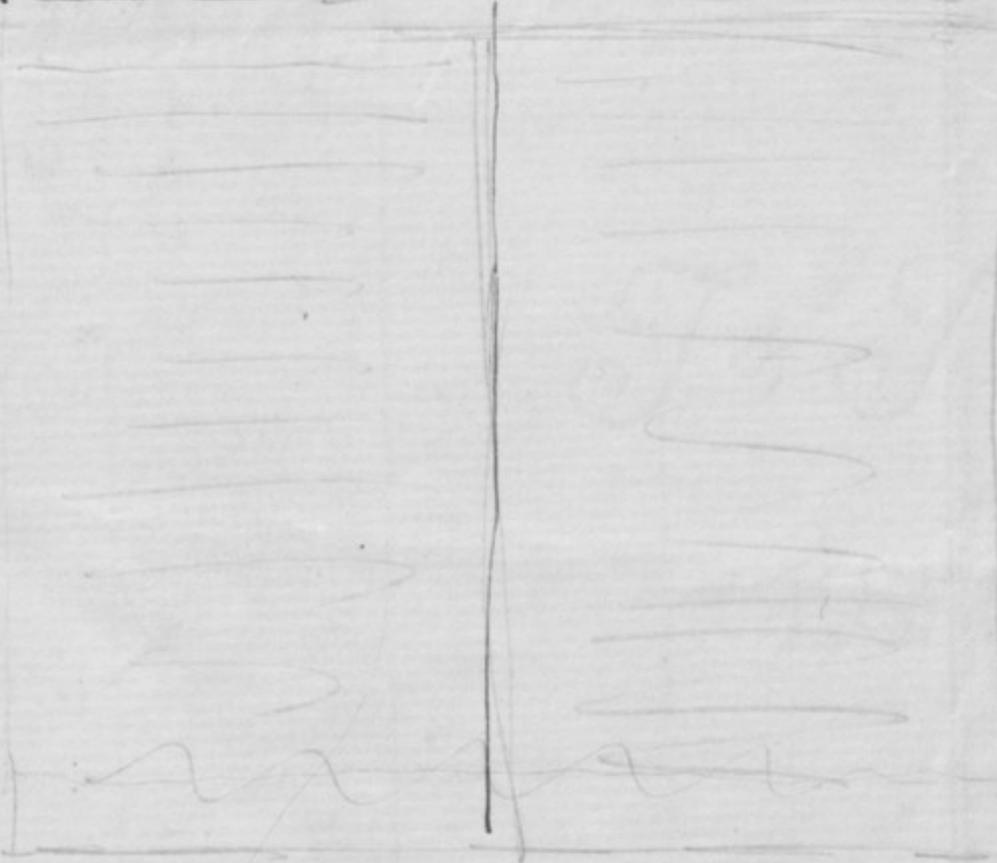
Bridge

Acents

St Bernhard

Conthay

Sion

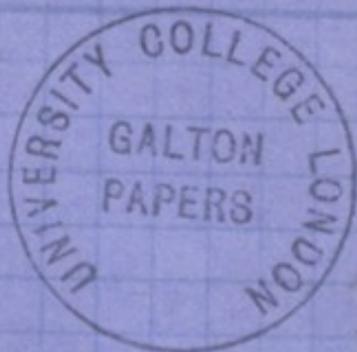


Route 58,

f. 100

Bex to Sion by the Col de  
Cheville Diabloty.

up	down	road	down
0	10	Bex	see route 56. char to Erion & Franca road beautifully shaded with fir beech and walnut.
1	9	Erion	2 homely Inns Croix Blanche best a mule to col 7 hr: if taken beyond it cannot be used for the descent.
2	8	Soulaley	
3	7	Anziendas	
4	6	Col de Cheville	
5	5	Demborenze lake	
6	4	Bridge	
7	3	St Bernhard	
8	2		
9	1		
10	0	Sion	

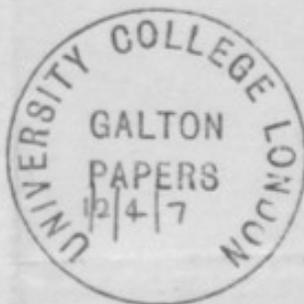


Beq pronounced Beq  
Isas l'Union H'as Kain . .

F. J. C. V.

Route 58

0	10	Bex see route 56
1		road beautifully shaded
2	9	with fir beech & oak with
3		char to Giron & France
4	8	Giron Croix Blanche house.
		by a mule & Col 7 fr
5	7	Soulaley chalet in a
		green plain, circled
		with firs & precipice,
		then up a narrow main
6	6	Amfenday - possible to
		sleep here. over look
		under the Diablerets, to
7	5	Col de Chevillon
		ascend mount to right
		of col -
8	4	Derborange lake the
		valley filled with the wreck
		of the Diablerets
9	3	Bridge
		road follows a ledge
		cut out of face of rocks
		more formidable than Gammis
10	2	S. Bernhard
		Conthey
11	0	Sion



170 routes 1 E a column = 85 pages



**ROUTE 32.**

PASS OF THE SUSTEN, FROM MEYRINGEN OR REICHENBACH TO WASEN.

Hours.	Miles.	Road.	Inns.
1½	1½	5 Char.	Meyr. or Reich.a
2½	3	7 Bridle.	Imhof .....a
1½	2½	5 "	Gadmen .....a
1½	1½	5 "	Stein .....b
4	3	10 "	Summit .....b
1	1	3 "	Mayen .....b
			Wasen .....b

Horse, 30 fr.; guide, 10 fr. There was formerly a char-road from Imhof to Stein, and again from a mile above Mayen to Wasen. These are now out of repair, and can only be considered as bridle-roads.

The Gadmenthal resembles the Trossachs on a large scale. The Mayenthal is less fine. Most of the houses in it are protected from avalanches by stone dykes or stout palisades. The word "Sust" means toll or custom-house; whence the name of the Pass.

Meyringen, or Reichenbach. } Rte. 26.  
Imhof.

**Gadmenthal.** The road leaves the valley of the Aar and the Grimsel route at Imhof, and turns to the l. up the Gadmenthal.

**Wyler,** 1 m. from Imhof. Here the torrent from the Gentelthal falls in

l. Joch bridle pass to Engleberg, 9 hrs. (to Engstten, only 5 hrs.). This route crosses the bridge, mounts the hill, and then enters the Gentelthal.

**Muhlithal,** the name of the lower part of the Gadmen valley.

[Switz.]

**Nesselthal,** the name of the upper part. Here rt. the narrow Triftthal opens from the S., with fine glimpses of the Triften Stock and Glacier.

rt. over Trift Glacier to Grimsel, 12 hrs. Fine pass. Rte. 27 b.

**Gadmen.** (Inn: Bear, shaded by sycamores, clean and tolerable.) This village of 550 Inhab. is 3750 ft. above the sea-level, and is composed of 3 distinct groups of houses, Eck, Ambuhl, and Obermatt, ¼ m. higher up.

**Stein.** (Clean little Inn.) A sudden advance of the Steinen Glacier, which was a mile distant 30 years ago, has destroyed the old road. The foot of the glacier is fan-shaped.

Ascent of Sustenhorn, 11,560 ft., in 6 hrs.

**Summit of Susten Pass,** 7446 ft. The view is very fine; the serrated ridges, and the many pointed peaks of the mountains bounding the Mayenthal, through which the descent lies, especially arrest the attention.

Snow patches on the E. side of it.

The Mayen-Reuss stream, issuing rt. out of the Susten Glacier, under the Sustenhorn, is crossed several times.

Gurezmittlerbach tributary, deep and foaming, is crossed.

Fernigen.

**Mayen** (Inn not so good as at Gadmen or Stein), 1 m. from Fernigen. This village gives its name to the valley. Thenceforward the road is rough and steep.

**Ruined Redoubt.**—Near the junction of the valleys of the Mayen and the Reuss are shattered remains of an hexagonal redoubt (schanze), which was fortified by the Austrians in 1799, and stormed and taken from them by the French under Loison, who forced the enemy back up the vale of the Reuss, and, after five assaults, made himself master of Wasen, an important point.

**Wasen,** on the St. Gothard. Rte. 34.

f. 1F

50A. Albemarle Street, London, W.

Feb 3 1864

My Dear Sir

I like your specimen  
on the whale - & fully appreciate  
all the pains & ingenuity with you  
are bestowing upon the subject.  
I do not doubt we shall reach per-  
fection in the end - I have made  
a few pencil marks on the page &  
the MS sheets. but these will  
be better understood in a short  
viva voce discussion - I am sorry  
to have missed you twice when  
you called - but hope to be more  
fortunate next time -

My dear Sir

Yours very faithfully  
John Murray

Francis Fallon Esq. My chief objection  
is the larger Hand how  
is to breaking up the  
plates - by throwing water to the end.

f. 2fv

Character of best Iron  
a b c.

Summit  
↓ 1/4 h. Bridge 5 m. 1/4 h? → 200

Hours miles/24	
Yadmen a	
1/2	5 (1/4)
Summit	
4	10 (3)
Mayen	