ances were fixed at sufficient quantities to meet the average requirements of one hundred patients, on the understanding that issues would be made by the steward in bulk, and that distribution would take place in the main diet kitchens and in the serveries.

STANDARD MENUS.

On investigation it was found that, in so far as active treatment hospitals were concerned, about 11 per cent. of all cases were on milk diet. An effort was then made to divide the allowance per hundred patients in such a way that approximately 90 per cent. of the patients would consume the entire meat allowance, while the other 10 per cent. would have a sufficiency of milk and milk puddings. This resulted in the drawing up of a standard menu, which became effective early in April, 1918. This menu was based on both Scales "A" and "B" of the Army Council Instruction, and was sufficiently under the maximum allowance to provide for a limited issue of ward extras, as well as a margin of safety to prevent, where possible, an over-issue of the maximum allowance.

In comparison with the maximum laid down in Scale "B," the per capita value of the ordinary diet was as follows:—

TABLE II.
FUEL VALUE OF STANDARD MENU.

	Protein Grms,	Fat Grms.	Carbo- Hydrates Grms.	Calories
Standard Menu Reserve	100·99 5·79	 118·30 14·06	 407·19 13·49	 3,266 124
Maximum allowance	106.78	 132.36	 420.68	 3,390

The standard menu provided considerable variety, but was subject to adverse criticism on the following grounds:—

- (a) Deficient meat content.
- (b) Too many fish meals.
- (c) Too many cereal dishes.
- (d) Shortage of sugar and jam.

The shortage of meat was generally remarked, but gave the greatest cause for complaint in hospitals where the majority of patients were walking about or engaging in physical exercises. The objection to so much fish and cereals in the menu was to some extent anticipated, for previous experience in the feeding of Canadians had demonstrated that neither of these foods is popular as a main article of diet. This had been found to apply not only in the feeding of sick men, who might be expected to offer some objection, but to the personnel of staff messes as well.

Unsatisfactory methods of preparation employed in hospital kitchens were to some extent responsible for the complaint, but even when these difficulties had been overcome it was still reported that the standard menu gave cause for adverse criticism on the grounds of deficient nutrition. For the purpose of testing the truth of this complaint, seventeen patients at one hospital were kept under observation, twelve of them for a period of fourteen days from date of admission, and five of them for a period of twenty-one days from date of admission. At this hospital they underwent special treatment, and in addition to ordinary ambulatory exercise they were placed on a course of light calisthenics, with the result that all but two of them lost weight.

These patients were under observation during the period April 11 to May 13, 1918. They were carefully weighed on admission, and again at the end of the period of observation, the results being as follows:—

TABLE III. EFFECT OF REDUCED DIET.

			d Labor	Section 1.				
		Weight on admission		Weight at en of 14 days	Loss		Gain	
A.	***	144.25		141.5		2.75		
В.		164		162.5	***	1.50		en bill
C.		154.5	OF THE	156	Sections	and want	TOO HELD	1.50
D.		154		153		1.00		
E.		126	***	125		1.00		_
F.		156		152.5		3 50		
G.		141		140	100	1.00	10101	ATTION OF
H.	18 Table 18	132	moetle?	131		1.00	91	
I.		135		133	a (4.)	2.00		_
J.		141		136.75		4.25		
K.		167		162.50		4.50	200	THE REAL PROPERTY.
L.	-0.5	140	000	136.50		3.50	0000	off Up

	Weight on admission	Section 2. Weight at en of 21 days	nd .	Loss	Gain
A.	 142	 144			 2.00
В.	 154	 151.25		2.75	 _
C.	 152	 150		2.00	 -
D.	 137	 136		1.00	
E.	 142.5	 141.5		1.00	 -

Further examination of results obtained confirmed the contention that the standard menu provided a deficient diet for ambulatory and convalescent patients. All hospitals co-cperated in giving this reduced dietary a fair trial during April, May, and June. The conclusion was then reached that, while the maximum scale laid down in the Army Council Instruction might be sufficient for bed patients, averaging ten hours asleep and fourteen hours awake in bed each day, the caloric value of the diet was not sufficient to meet the requirements of ordinary routine in Canadian hospitals, where a large percentage, even in active treatment hospitals, were able to be up and about the wards and grounds.

In the case of convalescent and special hospitals engaging in physical or remedial exercises the diet laid down was admittedly too low. The opening of a special hospital for the treatment of tuberculosis called for special consideration. As a result three scales of diet, based on the average requirements of one hundred patients for one day, were made effective from the first of July. These scales are now in operation, and during the past three months have given satisfaction.

The three scales of issues were made applicable as follows:—

Scale A.-Maximum diet. Tuberculosis patients.

Scale B.—Full diet. Convalescent and special patients undergoing physical training.

Scale C.—Reduced diet. Patients undergoing active treatment in primary and special hospitals.

The quantities considered sufficient to feed one hundred patients for one day with the nutritive ratio and caloric value of the component parts in each class of diet will be found in the following table:—

TABLE IV.

Canadian Hospital Diets. (Authorized from July 1, 1918, by D.M.S.C./L. No. 31 of 1918.)

Scales of quan	tities suffi	cient to fee	d 100 pati	ents for one	e day.	
Commodity	J **	Scale A. Protein	Fat	Carbo-Hydr.		
	Lbs.	grms.	grms.	grms.	Calories	
Meat	75.00	4,455.00	8,481.06	No. of Persons	95,850	
Fish	18.75	851.25	84.37		4,275	
Bacon	15.00	645.00	4,083.00	_	40,620	
Bread	100.00	3,552 52	214.40	24,720.00	117,914	
Sugar	17.50		_	7,778.75	31,885	
Margarine	6.25		2,368.75	1,110 10	22,031	
Other Fats	4.75	STATE OF THE PARTY OF	-,000 10	romanto Liene	22,001	
Potatoes	70.00	555 80	32.20	6,668.00	90 900	
Fresh Vegetables	35.00	120.75	23.80	633.50	29,890	
Milk (pints)	400.00	7,344.00		10,720:00	3,325	
Syrup	1.75	19.05	0,030.00		150,000	
Jam	10.75	15.05		550.10	2,327	
Chassa	5.00	567.00	600.00	3,369.05	13,867	
Cereals	35.00		680.00	56.50	8,885	
Tea and Coffee	2.50	1,771.00	304.50	11,770.50	58,345	
Cooce		101.00	005 50			
Eggs (number)	2.00	181.33	235.73	000 00	4,517	
Eggs (number)	250.00	1,275.00	1,012 50	0	14,625	
Total	. feelings to	21,352.75	25,616.31	66,652.20	598 356	
Daily average per	Feword :	Indicated to	Territoria.	sector or	500,000	
patient	-	213.52	256.16	666.52	5,983	
		SCALE B.			-,000	
Commodity		Protein	Fat	Carbo-Hydr.		
The Property of the Control of the C	Lbs.	grms,	grms.	grms.	Calories	
Meat	50.00	2,970.00	5,654.04		63,900	
Fish	18.75	851.25	84.37	_	4,275	
Bacon	12.50	537.50	3,402.50		33,850	
Bread	75.00	2,664.40	The state of the s	18,540.00	88,436	
Sugar	9.50	Altra-So	1000-0	4,222.70	17,309	
Margarine	4.18	-	1,584.22	1,222 10	14,734	
Other Fats	3.62		-,001 22		14,104	
Potatoes	70.00	555.80	32.20	6,668.20	29,890	
Fresh Vegetables	35.00	120.75	23.80	633.50	3,325	
Milk (pints)	130.00	2,386.80	2,631.20			
Syrup	1.00	10.88	2,001 20	3,484.00	48,750	
Jam	4.00	5.60		314.34	1,330	
Cheese	3.00	340.20	408.00	1,253.60	5,160	
Cereals	35.00	1,771.00		33.90	5,331	
Tea and Coffee	2.00	1,111 00	304.50	11,770.50	58,345	
Cocoa	1.00	90.66	117.00	100.00	-	
Eggs (number)	50.00	255.00	117.86	192.80	2,258	
1368 (Huntber)	50 00	200.00	202.50	this art is	2,925	
	the water and the				-	

125.59

12,559.84 14,605.99 47,113.54 379,818

471.13 3,798

146.05

Total

Daily average per patient ...