

# NORWAY

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## GENERAL

Area . . . . . 323,793 sq. km.

Population (1925) . . . . . 2,762,966

Per sq. km. . . . . 8.5

Railways operated at end of fiscal year 1920-1921 : 3,286 km.

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### I.

## Army.

### A. SUPREME MILITARY COMMAND AND ORGANISATION

The King is in supreme command of the armed forces.

*The Department of Defence* is the central organisation to which the Administration of the Army and Navy is attached.

The Army Division is organised in 2 sections. The first section consists of 3 offices, dealing with army organisation and mobilisation, fortifications, ammunition, arsenals, etc. The second section consists of 2 offices and a printing office, and deals with military service, army finance, printing, etc.

The Minister is also head of the Military Committee, which is composed as follows :

Commander-in-Chief of the Army.

Admiral commanding the Fleet.

Chief of the Military General Staff<sup>1</sup>.

Chief of the Naval General Staff.

### B. COMPOSITION OF THE ARMY

Commander-in-Chief.

General Staff<sup>1</sup>.

6 Divisions.

Army Inspectors (with General Staffs).

Royal Guards.

Garrison Artillery.

Air Force.

Artillery Technical Corps.

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<sup>1</sup> The General Staff is organised in the following 4 Departments : 1. Communication Department ; 2. Mobilisation Department ; 3. Administration Department ; 4. Topography Department.

There is also an Intelligence Department attached to the General Staff.

Recruiting Departments.  
 Officers' Schools.  
 Remount Commissions.

### C. HIGHER UNITS

The 6 divisions are composed as follows :

1st Division with headquarters at Fredrikshald :

3 infantry regiments with 1	1 regiment of engineers,
machine-gun company and 1	1 medical company,
cyclist company,	1 supply company,
1 divisional infantry N.C.O.s'	1 transport company,
school,	Fossumavsmittets fortifications
1 cavalry regiment with 1 bat-	Sarpsborg fortifications,
tery of artillery,	Fredrikstens garrison.
1 field artillery regiment,	

2nd Division with headquarters at Elverum :

3 infantry regiments with 1	1 field artillery regiment,
machine-gun company and 1	1 medical company,
cyclist company,	1 supply company,
1 divisional infantry N.C.O.s'	1 transport company,
school,	Kongsvinger fortifications.
1 cavalry regiment,	

3rd Division with headquarters at Kristiansand :

3 infantry regiments with 1	1 supply company,
machine-gun company and 1	1 medical company,
cyclist company,	1 transport company,
1 mountain battery,	Kristiansand garrison.
1 divisional infantry N.C.O.s'	
school,	

4th Division with headquarters at Bergen :

2 infantry regiments with 1	1 mountain battery,
machine-gun company and 1	1 supply company,
cyclist company,	1 medical company,
2 independent battalions,	1 transport company,
1 divisional infantry N.C.O.s'	Bergenhús garrison.
school,	

5th Division with headquarters at Trondhjem :

3 infantry regiments with 1	1 field artillery regiment,
machine-gun company and 1	1 engineer battalion,
cyclist company,	1 supply company,

1 divisional infantry school,	N.C.O.s'	1 medical company,
1 garrison company,		1 transport company,
1 cavalry regiment,		Stjördal and Verdal fortifications,
		Trondhjem garrison.

6th Division with headquarters at Harstad :

3 infantry regiments with machine-gun companies,	3	1 mountain battery,
2 battalions (with 1 garrison company and a corporals' school),		1 engineer battalion,
1 divisional infantry school,	N.C.O.s'	1 supply company,
		1 medical company,
		1 transport company.

## D. ARMS AND SERVICES

### I. INFANTRY.

17 line regiments.

Each regiment is divided into three battalions with 4 companies, 5 of these regiments possess in addition 1 machine-gun company and 1 cyclist company each.

The Royal Guard (4 companies) is composed of contingents from the infantry regiments.

### 2. CAVALRY.

3 regiments :

Two regiments of 6 squadrons and one regiment of 4 squadrons, Each regiment has one machine-gun company. One regiment has in addition a battery of artillery.

### 3. ARTILLERY.

(a) Field : 3 regiments.

Each regiment is divided into three battalions of 3 batteries of field artillery ; one battalion of 3 batteries of heavy position artillery ; one field park company.

(b) Mountain : 3 batteries.

(c) Fortress : 6 batteries.

### 4. ENGINEERS.

1 regiment of 3 battalions (field engineers, telegraph companies, pontoon companies) with 4 companies each.

The telegraph battalion also has a wireless company.

2 unattached battalions of engineers, consisting of one company of field engineers, one telegraph company, one wireless company.

3 companies of fortress engineers.

## 5. AIR FORCE.

Norway only possesses training machines and no dirigibles.

1 military flying school.

1 military aeroplane factory.

1 permanent air commission of 4 members.

1 artillery observation commission of 4 members.

## 6. ARMY SERVICE CORPS.

6 districts and 1 technical bureau.

## 7. ARMY MEDICAL CORPS.

Army medical board.

6 line companies.

2 military hospitals.

1 army bacteriological laboratory.

## 8. TRANSPORT.

Transport corps : 6 companies.

Motor transport corps : 6 companies.

## 9. ARTILLERY TECHNICAL CORPS.

1 arms factory at Kongsberg.

1 cartridge and powder factory at Ranfoss.

Chief arsenal at Oslo.

4 arsenals.

## 10. CONSCRIPTION AREAS.

The country is divided into 10 military districts, comprising a total of 52 recruiting districts.

## II. FACTORIES.

Norway has the following arms and munition factories :

State factories :

Kongsberg arms factory ;

Ranfoss cartridge factory.

Private factories :

Norma Shell Factory.

There are also the following private dynamite, high explosive and powder factories :

Engene at Hurum ;

Gullaug " Lier ;

Haoen " Frogen ;

Sundal " Asen ;

Verpen " Hurum ;

Nitedal " Nitedal ;

Grubernes sprengstoffabrikker, Ski.

## E. GENDARMERIE

There is no special organisation (corresponding to a gendarmerie corps, etc.) for the maintenance of order in the interior and on the frontiers.

## SUMMARY TABLE OF COMMANDS AND UNITS.

	Divisions	Regiments	Battalions	Squadrons	Batteries	Comp. of Engineers	Machine-gun Comp.	Cyclist Comp.	Special Comp.
Infantry . . . . .	6	17	55 <sup>1</sup>				8	5	
Cavalry . . . . .		3		16			3		
Field artillery . . . . .		3			27				
Siege » . . . . .					9				
Mountain » . . . . .					3				
Garrison » . . . . .					6				
Engineers . . . . .		1	5			22			
Transport . . . . .									12 <sup>2</sup>
Medical . . . . .									6

<sup>1</sup> Of which 4 battalions forming a corps.

<sup>2</sup> Includes 6 motor tractors.

## F. RECRUITING SYSTEM

The military law in force in Norway is the law of July 19th, 1910, amended by the Law of August 20th, 1915.

The Norwegian army consists of the regular army, the territorial army and the Landsturm.

Military service is compulsory; 12 years in the regular army and 12 years in the territorial army. Military service begins at the age of 20. Men of from 18 to 20 years of age and from 44 to 55 years serve in the Landsturm, which is only raised in case of national defence. Service with the colours consists during the first year of 48 days' training in the infantry and garrison artillery, 62 days in the mountain artillery, 92 days in the field artillery and 102 days in the cavalry. This training is immediately followed by 24 days' training in the regular army, while during the second, third and seventh years men of the regular army are called up for 24 days' training.

18-20	20-32	32-44	44-55
Landsturm	Regular army	Territorial army	Landsturm
	Period of service : (48-102 days according to branch) ; subsequently 4 periods of 24 days each.		

## G. CADRES

There are three different categories of officers and non-commissioned officers in the Norwegian army :

- (1) Permanent cadres.
- (2) District cadres (called up during training periods).
- (3) Cadres without pay (officers and N.C.O.s of the reserve).

## SCHOOLS.

(1) *Non-commissioned Officers.*

N.C.O.s of all ranks are drafted from the schools in the various divisions.

Schools :

- 6 divisional infantry schools for N.C.O.s.
- 1 school for junior N.C.O.s (Finmarkens).
- 1 cavalry school for N.C.O.s.
- 1 artillery school for N.C.O.s.
- 1 riding school for artillery, engineers and transport.
- 1 engineering school for N.C.O.s.
- 1 riding school for cavalry.
- 1 garrison artillery school for N.C.O.s.
- 1 school for junior N.C.O.s at Vardyhus.
- Courses for medical officers.
- Courses for veterinary officers.
- Courses for transport.
- Courses for army service corps.
- 1 school of musketry for infantry.
- 1 school of gunnery for field artillery.
- 1 school of gunnery for garrison artillery.
- 1 flying school.

(2) *Officers.*

*Staff College* (2 years' training).

*Military Academy.*

The army training courses last one year for officers without pay, and three years for regular officers.

Survey Institute :

- Sections : Geodesy ;
- Topography ;
- Cartography ;
- Photography.

Government physical training school for officers, N.C.O.s and civilians.

## H. BUDGETARY EFFECTIVES (1926)

### I. REGULARS AND DISTRICT STRENGTH.

	Officers	B. NON-COMMIS. OFFICERS AND OTHER RANKS	Grand Total
Commander-in-Chief . . . . .	3	3	6
General Staff . . . . .	32	6	38
Divisional H. Q. . . . .	27	160	187
Infantry . . . . .	580	1,723	2,303
Cavalry . . . . .	52	156	208
Artillery . . . . .	121	338	459
Garrison Artillery . . . . .	80	516	596
Air Force . . . . .	17	17	34
Engineers . . . . .	63	244	307
Transport . . . . .	20	59	79
Army Service Corps . . . . .	28	44	72
Medical Corps . . . . .	109	75	184
Veterinary Corps . . . . .	18	—	18
Miscellaneous . . . . .	15	64	79
Total . . . . .	1,165	3,405	4,570

### II. MILITARY SCHOOLS.

	CADETS AND ASPIRANTS
	Number
Military colleges . . . . .	116
Infantry N.C.O.s' and junior N.C.O.s' schools . . . . .	412
Cavalry N.C.O.s' schools; cavalry school, etc. . . . .	97
Artillery N.C.O.s' schools . . . . .	150
Garrison artillery N.C.O.s' school . . . . .	126
Engineer N.C.O.s' school . . . . .	170
Flying school . . . . .	36
Army Medical course . . . . .	155
Transport course . . . . .	86
Total . . . . .	1,348

### III. RECRUITS.

Infantry <sup>1</sup> . . . . .	10,500 <sup>2</sup>
Cavalry . . . . .	535
Artillery . . . . .	2,110 <sup>3</sup>
Engineers . . . . .	750
Flying corps . . . . .	70 <sup>2</sup>
Motor transport corps . . . . .	80
Intendance . . . . .	200
Medical corps . . . . .	770
Total . . . . .	15,015 <sup>4</sup>

<sup>1</sup> Including Guard and garrison companies.

<sup>2</sup> Approximative figure.

<sup>3</sup> Field, mountain and fortress.

<sup>4</sup> Of these about one-third have not received any training.

## II.

## Navy.

## LIST OF UNITS

(1925).

## Battleships (Coast Defence) :

1. *Norge* (1900) : Displacement, 4,166 tons. Length, 305 $\frac{1}{4}$  feet. Beam, 50 $\frac{1}{2}$  feet. Max. draught, 17 $\frac{2}{3}$  feet. H.P. 4,500 = 16.5 kts. *Guns* : 2 8.2-inch ; 6 5.9-inch ; 8 12-pdr. ; 2 3-pdr. (A. A.) 2 torpedo-tubes (18 inch).
2. *Eidsvold* (1900)
3. *Havald Haarfagre* (1897) Displacement, 3,858 tons. Length, 304 feet. Beam, 48 $\frac{1}{2}$  feet. Max. draught, 17 $\frac{2}{3}$  feet. H.P. 4,500 = 16.5 kts. *Guns* : 2 8.2-inch ; 6 2 4.7-inch ; 6 12-pdr. ; 3-pdr. (A. A.) ; 2 torpedo tubes.
4. *Tordenskjold* (1897)

## 3 Destroyers :

1. *Garm* (1913) Displacement, 540 tons. Dimensions : 227  $\times$  23 $\frac{1}{2}$   $\times$  8 $\frac{3}{4}$  feet. *Guns* : 6 12-pdr. 3 18-inch tubes.
2. *Draug* (1908)
3. *Troll* (1910)

## 29 Torpedo Boats :

1. "Large torpedo boats" : Displacement, 220 tons : (a) *Snogg* ; (b) *Stegg* ; (c) *Trygg* (1916-17).
2. First-class torpedo boats : Displacement, 90 tons : (a) *Laks* ; (b) *Sild* ; (c) *Soel* ; (d) *Skrel* (1900) ; (e) *Brand* ; (f) *Storm* ; (g) *Trods* (1899) ; (h) *Delfin* ; (i) *Hval* (1896),
3. Second-class torpedo boats : Displacement, 94 tons : (a) *Kjell* (1912) ; Displacement, 92 tons : (b) *Skarv* ; (c) *Teist*. Displacement, 70 tons : (d) *Grib* ; (e) *Jo* ; (f) *Lom* (1906) ; (g) *Orn* ; (h) *Ravn* (1904). Displacement, 63 tons : (i) *Hauk* ; (j) *Falk* (1903). Displacement, 64 tons : (k) *Hvas* ; (l) *Kjoek* (1900). Displacement, 67 tons : (m) *Djerv* ; (n) *Dristig* ; (o) *Kvik* (1897-98). Displacement, 45 tons : (p) *Blink* ; (q) *Lin* (1896).

## 6 (+ 4 building) Submarines :

- Displacement, 413 tons (on surface) : B. 1 (1922) ; B. 2 (1923) ; B. 3 (1925) ; B. 4 (1925) ; B. 5 ; B. 6. Displacement, 225 tons (on surface) : A. 4-A. 2 (1913) ; Displacement, 205 tons (on surface) : A. 1 (1909).

Miscellaneous : 14 units (mine-layers, old gunboats, etc.).

## SUMMARY TABLE OF NAVAL UNITS.

	Number	Total Tonnage	Depreciated Tonnage <sup>1</sup>
Battleships and battle cruisers . . . . .	—	—	—
Coast-defence ships and monitors . . . . .	4	16,048	—
Aircraft-carriers . . . . .	—	—	—
Cruisers and light cruisers . . . . .	—	—	—
Torpedo-boats and destroyers . . . . .	32	4,208	165
Submarines . . . . .	6	1,781	620
Miscellaneous Vessels <sup>2</sup> . . . . .	9	3,550	—
Total . . . . .		25,587	785
Strength of crews about 1,400.			

<sup>1</sup> Depreciated tonnage (on January 1st, 1926) is calculated as follows :

(1) For battleships, battle cruisers, coast-defence ships, monitors, aircraft-carriers and miscellaneous vessels, a reduction in original tonnage at the rate of 1/20 per annum from date of completion.

(2) For cruisers and light cruisers, a reduction of 1/17 per annum from date of completion.

(3) For torpedo craft and submarines, a reduction of 1/12 per annum from date of completion.

<sup>2</sup> Under the heading Miscellaneous Vessels, only sloops, gunboats, river gunboats and despatch vessels are shown.



## III

**Budget Expenditure on National Defence.****A. NOTES ON BUDGET PROCEDURE.**

(1) The financial year covers the period July 1st to June 30th. The estimates for the coming financial year are submitted to Parliament in January or February and are generally voted in May or June. Closed accounts are regularly published six to eight months after the close of the financial year.

(2) The budget is divided into ordinary and extraordinary expenditure. All defence expenditure is at present charged to the ordinary budget, but in 1921-22, as in previous years, certain expenditure in connection with the maintenance of neutrality (outstanding war charges) and allowances to employees on account of high cost of living were charged to the extraordinary budget. From 1922-23 onward, the allowances on account of high cost of living have been charged to the ordinary budget; they are, however, not distributed among the various departments but accounted for in a lump sum for the fighting and civil services, and neither the budget nor the closed accounts give any indication of the portion relating to the army and the navy.

(3) The Norwegian budget is a gross budget, receipts collected by the Defence Department in the course of its administration being accounted for on the revenue side of the budget.

(4) Local authorities do not contribute to expenditure for military purposes.

**B. BUDGET EXPENDITURE ON NATIONAL DEFENCE.****I. Summary of Defence Expenditure (Gross).**

TABLE I.

	1922-23	1923-24	1924-25	1925-26	1926-27
	Closed Accounts	Closed Accounts	Closed Accounts	Estimates submitted to Parliament	Estimates submitted to Parliament
	Kroner (000,000's omitted)				
Army and Navy Boards. . . . .	—	—	—	—4	—
Army <sup>1</sup> . . . . .	36.8	34.5	34.8	33.6	32.2
Navy <sup>1</sup> . . . . .	15.4	13.4	13.4	12.—	12.2
Total defence expenditure . . . . .	52.2	47.9	48.2	46.—	44.4
Defence expenditure index . . . . .	%	%	%	%	%
	100	92	92	88	85
Index number of wholesale prices :					
1913 = 100 . . . . .	228 <sup>2</sup>	249 <sup>3</sup>	273 <sup>4</sup>	219 <sup>5</sup>	195 <sup>6</sup>
1922-1923 = 100 . . . . .	100	109	120	96	86
	Kroner (000,000's omitted)				
Defence expenditure reduced to pre-war price level . . . . .	22.9	19.3	17.7	21.—	22.8
Index of defence expenditure reduced to pre-war price level . . . . .	%	%	%	%	%
	100	84	77	92	100

<sup>1</sup> Excluding expenditure for civil purposes.

<sup>2</sup> Average January to June 1923.

<sup>3</sup> Average July 1923-June 1924.

<sup>4</sup> Average July 1924-June 1925.

<sup>5</sup> Average July 1925-June 1926.

<sup>6</sup> Average July-November 1926.

NOTES. — (a) These figures include State contributions to army and navy pensions.

(b) High-cost-of-living allowances are not included in the figures above as the portion relating to the army and navy cannot be separated from the allocations to civil servants. The total allocations to the administration (excluding those to persons employed in public undertakings and in military and naval factories) amounted to 34.1 and 14.2 million Kr. in 1922-23 and 1923-24 respectively, and have been estimated at 8, 12 and 8 million Kr. for 1924-25, 1925-26 and 1926-27 respectively.

## II. Analysis of Defence Expenditure.

(1) In the estimates for 1925-26, but not in those for 1926-27, the appropriations for the Army and Navy Boards were combined in one aggregate sum.

(2) The main items of *Army expenditure* are shown in the following table :

TABLE 2.

	1922-23	1923-24	1924-25	1925-26	1926-27
	Closed Accounts	Closed Accounts	Closed Accounts	Estimates	Estimates
		Kroner (000's omitted)			
Army Board . . . . .	—	—	—	—	290
Salaries, etc., to permanent personnel <sup>1</sup> . . . . .	12,403	12,324	12,373	12,191	11,936
Military Schools . . . . .	1,940	1,804	1,837	1,911	1,888
Practice and manœuvres . . . . .	2,505	1,747	1,745	1,414	1,384
Quarters, food and equipment . . . . .				7,997	6,890
Horses . . . . .				2,145	1,869
Arms and ammunition of the Army :					
(a) maintenance . . . . .	16,178	15,269	15,389	4,303	4,604
(b) new acquisitions . . . . .				95	—
Arms and ammunition of the reserve . . . . .				20	20
Factories and arsenals . . . . .				165	165
Transport . . . . .				978	838
Garrisons, fortifications and parade grounds					
(a) maintenance . . . . .	1,316	1,256	1,331	1,356	1,417
(b) new constructions . . . . .				35	41
Various expenses . . . . .	2,474	2,102	2,112	1,028	849
Total . . . . .	36,816	34,502	34,787	33,638	32,191

<sup>1</sup> Excluding high-cost-of-living allowances.

NOTES. — (a) The working expenses of the Military Establishments (the Ranfoss Powder Factory and Kongsberg Arms Factory) are included in the item "Factories and Arsenals".

(b) In addition to its military functions the Army Board has control over contributions to Sports Clubs and Rifle Associations, etc., and over the Cartographical Service, which is mainly a civil institution. The appropriations for these purposes have been estimated at 1,599,000 Kr. for 1925-26 and at 1,653,400 Kr. for 1926-27. The Army Board also administers the appropriations for civil aviation.

(3) The main items of *Navy expenditure* are shown in the following table :

TABLE 3.

	1922-23	1923-24	1924-25	1925-26	1926-27
	Closed Accounts	Closed Accounts	Closed Accounts	Estimates	Estimates
	Kroner (ooo's omitted)				
Navy Board . . . . .	—	—	—	—	136
Salaries, etc., to permanent personnel <sup>1</sup> . .	5,815	5,778	5,664	5,195	5,056
Schools . . . . .	469	409	364	401	393
Temporary personnel (conscription) . . .	—	—	—	420	406
Practice and manœuvres . . . . .	1,898	1,454	1,637	1,175	1,440
Material and supplies :					
(a) maintenance . . . . .	}	}	}	2,278	2,258
(b) constructions . . . . .				577	577
Naval stations :					
(a) maintenance . . . . .	} 7,236	} 5,793	} 5,776	829	865
(b) constructions . . . . .				38	—
Hospitals, etc. . . . .				175	175
Various expenses . . . . .				869	840
Expenditure from the Naval Cadets' fund	6	5	5	5	5
Total . . . . .	15,424	13,439	13,446	11,962	12,151

<sup>1</sup> Excluding high-cost-of-living allowances.

NOTES. — (a) The working expenses of *Naval Establishments* are included in the appropriations for the Navy.

(b) The Naval Board administers the following civil institutions: Lighthouses and buoys, Salvage Corps, Pilotage and Technical Schools. The appropriations for these purposes have been estimated at 3,437,320 Kr. for 1925-26 and at 3,404,745 Kr. for 1926-27.

(4) *Aviation*. The expenditure on the Air Force is included in the various Army and Navy appropriations and not shown in one aggregate sum. Those items which are distinguishable amount to a little more than 1½ million Kroner.

### III. Receipts collected by the Defence Departments.

These are shown as revenue and generally amount to between 600,000 and 700,000 Kr. per annum.

### IV. Expenditure referring to Previous Years.

(1) *Debt Service*. No interest on or redemption of public debt is charged to the Defence Department.

(2) *Pensions*. Officers are obliged to contribute to a pension fund, to which the State also contributes. These State contributions are charged partly to the Defence Department and partly to the Finance Department. The contributions charged to the Defence Department amount to about 400,000 Kr.

## IV.

## Production and Exchange of Goods of Importance for National Defence.

(P = Production ; I = Imports ; E = Exports.)

### I. FUEL <sup>1</sup>

(A) COAL, ETC.		1921	1922	1923	1924	1925
				Metric tons (ooo's).		
Coal	I	896.6	1,755	1,852	2,051	2,038
	E	3.0	3.8	3.7	5.7	6.9
Coke	I	169.4	314.8	313.1	392.8	336.6
	E	0.1	0.7	1.3	0.2	1.0
Miscellaneous (briquettes, etc.)	I	0.6	1.5	2.9	2.2	
	E	0.4	0.2	0.01	0.9	
(B) PETROLEUM.	I	88.2	149.7	151.5	184.9	182.2
	E	1.6	1.2	0.3	1.3	2.0

### II. ORES AND METALS <sup>1</sup>

(A) ORES.		1921	1922	1923	1924	1925
				Metric tons (ooo's).		
Iron	P	57	259	386	522	425
	I	—	—	0.5	—	—
	<sup>2</sup> E	180	286	359	525	425
Copper	P	14.1	1.1	2.4	2.0	4.3
	E	0.6	0.2	0.1	—	—
Nickel	P	2.1	3.1	—	—	—
Aluminium (bauxite and cryolite)	I	12.7	12.5	30.6	40.3	
	E	1.5	0.1	0.01	—	
Zinc and lead	P	0.01	0.6	2.2	1.4	0.9
	I	—	7.8	7.3	11.9	
	E	—	1.2	2.0	3.2	
Chrome	I	4.4	2.0	—	4.2	
	E	—	0.04	0.1	0.2	
Sulphur pyrites	P	231	396	375	403	624
	<sup>3</sup> I	—	—	23.3	84.0	
	<sup>4</sup> E	226	476	396	430	
(B) IRON SCRAP.	E	6.9	15.7	20.2	21.5	

<sup>1</sup> Export figures include also re-exports.

<sup>2</sup> Including concentrates and briquettes.

<sup>3</sup> Manganese pyrites. Sulphur pyrites = 0.

<sup>4</sup> Iron and cupreous pyrites, including burnt pyrites (purple ore).

		1921	1922	1923	1924	1925
		Metric tons (000's).				
<b>(C) METALS.</b>						
Pig iron	P	3	13	26	65	88
	I	6	8.2	11.5	12.3	
	E	0.6	1.2	3.3	0.9	
Iron and steel <sup>1</sup>	I	126.7	151.6	141.9	184.6	
	E	1.0	1.2	4.2	2.1	
Ferro-alloys (ferro-chrome and ferro-silicon)	P				22.3	
	I	—	—	—	0.03	
	E	6.4	11.2	19.3	21.5	
Copper	P	1.3	0.1	0.1	0.1	0.3
	<sup>1</sup> I	2.9	2.2	2.2	2.1	
	<sup>1</sup> E	1.6	0.8	0.9	1.6	
Nickel	P			0.1	—	—
	E	0.3	0.15	0.06	—	
Aluminium	P	4.0	6.0	13.3	20.0	21.3
	<sup>2</sup> I	0.6	0.8	0.9	1.4	
	<sup>1</sup> E	6.3	6.4	13.0	19.4	21
Zinc	P	*	*	3.8	5.1	6.8
	<sup>1</sup> I	7.7	3.7	2.8	1.4	
	<sup>1</sup> E	17.4	18.2	3.2	3.8	
Lead	P			0.2	0.6	0.4
	<sup>1</sup> I	0.7	1.1	1.2	1.2	
	<sup>1</sup> E	0.9	0.5	0.6	1.1	

### III. CHEMICAL PRODUCTS

<b>(A) RAW MATERIALS.</b>		1921	1922	1923	1924	1925
		Metric tons (000's).				
Nitrate of soda	I	0.04	0.03	0.2	0.15	0.07
	E	17.3	32.4	22.3	19.5	31.1
Chloride of sodium (salt)	I	120.1	182.7	221.3	240	191
Sulphur	I	4.9	11.7	14.6	12.2	15.5
<b>(B) MANUFACTURED PRODUCTS.</b>						
Nitrate of ammonia	<sup>3</sup> I	0.1	0.6	1.0	0.9	
	E	13.1	1.8	0.01	0.01	
Nitrate of lime	P	151	180	186	163	218
	E	81.9	157.6	147.2	131.3	157
Sulphate of ammonia	I	—	—	—	0.02	
	E	0.3	0.7	0.4	0.3	0.2
Calcium cyanamide	E	5.3	3.9	—	—	6.5
Sulphuric acid	I	0.3	0.2	0.1	0.05	0.05
	E	0.4	0.8	0.6	0.8	0.3
Nitric acid	I	—	0.2	0.7	1.4	
	E	0.8	1.1	2.4	1.9	4.4
Soda	I	7.7	25.7	25.2	22.5	28.5
	<sup>4</sup> E	0.03	—	—	—	
Spirits (alcohol)	I	0.8	1.0	1.1	0.6	<sup>5</sup> 0.4
	E	0.4	0.06	0.09	0.1	0.1

\* Not available.

<sup>1</sup> Crude and semi-manufactured.

<sup>2</sup> Plates, bars and bolts, of aluminium, copper, etc.

<sup>3</sup> Including all other ammonium compounds.

<sup>4</sup> Caustic soda only.

<sup>5</sup> Potable spirits only.

IV. AGRICULTURAL PRODUCTS<sup>1</sup>

(A) CEREALS.		1921	1922	1923	1924	1925	
		Metric tons (ooo's).					
Wheat	P	26	18	16	13	13	
	I	74.6	98.1	80.0	99.3	76.1	
	E	—	0.02	0.05	0.02	—	
Wheaten flour	I	29.1	39.8	57.0	58.0	57.6	
	E	0.3	0.2	0.3	0.5	—	
Rye	P	26	22	19	16	16	
	I	116	163.5	188.3	225.4	193.7	
	E	—	—	0.2	—	—	
Rye flour	I	0.06	—	0.02	—	—	
	E	0.5	0.3	0.6	1.2	—	
Barley	P	93	98	71	102	113	
	I	30.0	34.5	43.9	58.7	24.6	
Oats	P	188	194	116	154	175	
	I	13.7	8.8	17.3	33.2	23.9	
	E	0.1	0.2	0.2	0.2	0.1	
Maize	I	89.6	90.1	96.5	77.5	95.9	
	E	0.02	0.07	—	—	—	
Rice	I	1.5	0.5	0.8	1.1	0.7	
(B) POTATOES		P	707	890	661	586	939
		I	13.6	10.8	0.2	0.03	4.1
		E	0.6	2.1	0.4	2.8	0.5

V. LIVE-STOCK<sup>1</sup>

(Effective Number and Trade.)

		1921	1922	1923	1924	1925
		Head (ooo's).				
Cattle	<sup>2</sup> Eff.			1,131	1,114	—
	I	11.2	15.0	10.1	10.1	—
	E	0.02	0.03	0.04	0.02	0.01
Sheep	<sup>2</sup> Eff.			1,525	1,507	
Pigs	<sup>2</sup> Eff.			237	249	
	I		—	0.02	0.01	
	E	0.5	0.2	0.3	0.1	
Horses	<sup>3</sup> Eff.			193	186	
	I	0.2	0.3	0.2	0.2	0.01
	E	1.6	1.0	1.4	2.1	0.06
Goats	<sup>2</sup> Eff.			242	259	

VI. MEATS<sup>1</sup>

		1921	1922	1923	1924	1925
		Metric tons (ooo's).				
Fresh	I	9.8	9.7	6.3	3.1	
	E	0.1	0.2	0.1	0.1	
Other <sup>4</sup>	I	10.8	12.1	12.7	10.1	
	E	0.2	0.3	0.2	0.3	

<sup>1</sup> Export figures include also re-exports.<sup>2</sup> In rural districts only.<sup>3</sup> Solely horses on farms, etc. (i.e. excluding horses in towns and villages).<sup>4</sup> Including venison, game, bacon, etc.

VII. MISCELLANEOUS PRODUCTS <sup>1</sup>

		1921	1922	1923	1924	1925
				Metric tons (000's).		
COTTON, RAW	I	1.6	2.4	2.5	2.7	
	E	—	0.01			
RUBBER, RAW	I	0.2	0.3	0.5	0.7	
	E	—	0.01	0.01	0.01	

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<sup>1</sup> Export figures include also re-exports.