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SUMMARY OF CANAL STATISTICS

JUNE 1966

An analysis of June canal data revealed several important changes and developments:

This month, the total tonnage of freight transported through all Canadian canals increased 1.4 per cent to 12,523,208 tons from the 12,349,682 tons reported during June of last year.

Traffic moving through the St. Lawrence Canals during June totalled 5,432,448 tons, which represents a gain of 290,355 tons or 5.6 per cent over June 1965. The Welland Canal experienced a slightly lower volume of traffic, which contracted by 131,702 tons or 1.9 per cent to 6,767,754 tons.

The volume of corn moving downbound through the Welland and St. Lawrence Canals from U.S. Great Lakes ports dropped appreciably during the month compared to last year. Shipments of this commodity, amounting to 318,545 tons through the St. Lawrence Canals and 332,949 tons through the Welland Canal, were less than one half the total recorded during June 1965 (642,426 tons and 670,549 tons respectively in the two canal networks).

Conversely, movements of wheat advanced during June; tonnages downbound amounted to 1,154,842 tons (770,647 tons in June 1965) through the St. Lawrence Canals and 1,181,117 tons (874,988 tons) through the Welland Canal.

Total shipments of forest products transported through the two major canal networks increased during the month. Certain products, such as Newsprint paper, declined in volume but were more than offset by expansions reported for other commodities, notably pulpwood and logs.

Iron ore transported through the St. Lawrence Canals increased 10.7 per cent to 1,637,624 tons from 1,479,583 tons. However, this commodity moving through the Welland Canal declined 7.7 per cent to 2,081,805 tons from 2,255,506 tons reported during June 1965.

Soyabean movements decreased during the month under review. The St. Lawrence Canals reported traffic of this commodity totalling 106,567 tons (158,531 tons in June 1965), and the Welland Canal reported 150,901 tons (177,376 tons).

Bituminous coal transported through the Welland Canal dropped 5.6 per cent to 985,494 tons this month from 1,043,613 tons last year. Shipments passing through the St. Lawrence Canals rose 15.4 per cent, resulting in a total of 181,349 tons, compared with 157,190 tons in June 1965.

Cumulative tonnages moving through all Canadian canals to the end of June surpassed the level recorded in the corresponding period last year. The volume of cargo amounted to 36,253,231 tons, up 4,603,902 tons or 14.5 per cent compared to the previous year.

Governments and Transportation Division
Transportation and Public Utilities Section

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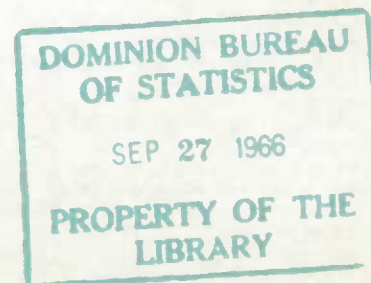


TABLE 1. Vessel Passages, Registered Net Tonnage, and Tonnage of Freight for All Canals

Canal	June 1966			Tonnage of freight June 1965	Cumulative tonnage of freight	
	Number of vessel passages	Registered net tonnage of vessels	Tonnage of freight		1966	1965
Canso Canal	168	134,471	163,804	150,057	382,229	183,627
St. Lawrence Canals	967	3,596,604	5,432,448	5,142,093	15,836,111	13,714,460
Welland Canal	1,063	4,924,568	6,767,754	6,899,456	19,611,842	17,440,931
Sault Ste. Marie Canal - Can. lock ...	459	409,064	154,538	145,736	413,845	283,033
All other canals	177	11,557	4,664	12,340	9,204	27,278
Totals	2,834	9,076,264	12,523,208	12,349,682	36,253,231	31,649,329
Sault Ste. Marie Canal - U.S. locks ..	1,837	..	13,663,912	13,634,697	35,195,815	29,825,881

.. Figures not available.

TABLE 2. Tonnage of Freight Transported through the St. Lawrence Canals, by Commodity, and by Direction

Commodity	June 1966			Total June 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
	tons					
Meat, fresh, chilled or frozen	1,184	9,349	10,533	4,678	17,625	10,665
Milk powder	-	11,040	11,040	26,311	18,173	45,539
Barley	-	230,960	230,960	211,880	639,124	408,222
Corn	-	318,545	318,545	642,426	1,137,047	1,318,678
Oats	-	90,557	90,557	71,877	248,831	166,360
Rye	-	12,702	12,702	8,922	113,015	22,767
Wheat	-	1,154,842	1,154,842	770,647	3,615,094	2,654,202
Cereals, unmilled, n.e.s.	-	22	22	1,960	419	5,066
Corn meal and flour	-	15,117	15,117	8,660	23,124	17,146
Malt and malt flour	-	8,697	8,697	6,648	17,918	24,983
Wheat flour	20	27,595	27,615	29,858	51,096	85,650
Cereals, milled, n.e.s.	-	8,541	8,541	-	10,568	1,371
Fruit juices, unfermented, not concentrated, and fruit juice concentrates	1,335	77	1,412	3,847	2,965	6,259
Fruits, preserved, not canned, n.e.s.	410	232	642	928	5,760	6,897
Fruits and preparations, canned (except infant foods)	3,775	55	3,830	2,449	8,765	6,172
Vegetables, dried	34	14,749	14,783	18,505	57,486	45,559
Vegetables and vegetable preparations, n.e.s.	1,883	890	2,773	403	10,453	3,869
Raw sugar	16,315	57	16,372	31,277	57,697	39,550
Molasses, crude	10,979	-	10,979	10,920	38,976	28,534
Cocoa and chocolate	3,385	861	4,246	298	11,497	3,315
Lard	13	7,421	7,434	7,546	14,357	18,899
Miscellaneous foods, food materials and food preparations, n.e.s.	617	1,117	1,734	1,075	4,989	3,278
Hay, forage and straw	-	-	-	-	-	-
Hulls, screenings, chaff and scourings	-	17,486	17,486	2,119	40,113	18,705
Wheat bran, shorts and middlings	-	4,362	4,362	-	4,362	-
Ground cereals and by-products, n.e.s.	-	605	605	-	4,502	2,881
Soyabean oil meal and cake, n.e.s.	-	65,588	65,588	43,477	124,006	99,692
Oil seed meals and cake, n.e.s.	406	17,256	17,662	4,121	25,977	17,000
Brewers' and distillers' grains and solubles	-	826	826	3,254	1,158	3,598
Feeds of vegetable origin, n.e.s.	25	73,939	73,964	23,572	105,062	35,342
Ale, beer, stout and porter	1,237	10	1,247	1,190	3,977	4,075
Wines	4,222	5	4,227	3,790	16,624	9,828
Distilled alcoholic beverages	4,404	112	4,516	4,470	16,421	14,431
Raw hides and skins and undressed fur skins	299	15,199	15,498	11,751	28,684	30,987
Flaxseed	-	62,491	62,491	36,116	161,146	102,081
Rapeseed	-	-	-	896	10,595	9,912
Soyabeans	-	106,567	106,567	158,551	391,994	450,202

TABLE 2. Tonnage of Freight Transported through the St. Lawrence Canals, by Commodity, and by Direction

Commodity	June 1966			Total June 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
	tons					
Rubber and allied gums, natural, and natural gums and resins	13,936	-	13,936	19,816	33,960	40,162
Logs	11,554	1,978	13,532	3,955	18,144	9,762
Pulpwood	32,816	-	32,816	1,737	52,626	4,627
Alumina and bauxite ore	-	-	-	28,289	28,723	36,534
Iron ore, crude, and concentrates, calcined, roasted or treated	1,617,290	20,334	1,637,624	1,479,583	4,848,120	4,232,161
Manganese ore	42,956	-	42,956	10,414	97,568	10,414
Ores, concentrates and precipitates, n.e.s.	-	-	-	-	12	15,921
Iron and steel scrap	5,602	-	5,602	-	5,602	19,643
Non-ferrous and precious metal scrap	1,063	10,646	11,709	979	19,010	3,720
Slags, drosses and other by-products	476	5,305	5,781	555	10,875	11,856
Coal, bituminous, sub-bituminous, and lignite	111,290	70,059	181,349	157,190	451,278	295,735
Crude petroleum, petroleum tops and natural gasoline	-	-	-	33,378	27,924	48,132
Bentonite	-	9,535	9,535	13,817	19,145	26,062
China clay	1,862	3	1,865	1,920	6,370	9,452
Clay and other crude refractory materials, n.e.s.	846	6,430	7,276	573	20,374	6,145
Sand and gravel	-	-	-	-	-	-
Fluorspar	20,406	-	20,406	17,221	49,099	50,574
Gypsum	-	19	19	14,786	11,803	38,858
Salt	48	14,207	14,255	11,338	67,409	53,791
Crude non-metallic minerals (except coal and petroleum), n.e.s.	16,309	681	16,990	532	19,633	3,453
Lumber and timber	2,915	1,238	4,153	2,936	6,491	5,170
Veneer, plywood and wood building boards	9,313	191	9,504	4,111	21,411	13,644
Pulp	2,081	1,459	3,540	10,793	11,726	22,358
Newsprint paper	39,273	1,443	40,716	64,983	159,547	170,384
Building paper and building board (except wood, plastic and gypsum board)	1,289	-	1,289	2,553	3,431	6,460
Cordage, twine and rope (except braided cords and threads)	4,244	6	4,250	4,093	25,727	18,427
Animal oils and fats (except marine)	-	10,233	10,233	26,307	52,491	59,710
Fish and marine animal oils	2,257	-	2,257	5,829	2,389	8,661
Soyabean oil	-	8,739	8,739	3,429	15,424	8,045
Vegetable oils and fats, except essential oils, n.e.s.	5,448	-	5,448	7,413	14,924	15,946
Oils, fats, waxes, extracts and derivatives, animal and vegetable, n.e.s.	33	124	157	2,205	7,308	4,716
Metallic salts and peroxy salts, of inorganic acids	438	2,320	2,758	1,668	15,073	7,738
Inorganic chemicals, n.e.s.	1,869	9,698	11,567	5,162	24,480	9,453
Glycol	-	581	581	2,150	5,358	4,609
Organic chemicals, n.e.s.	1,430	7,017	8,447	10,026	22,836	23,458
Fertilizers and fertilizer materials, n.e.s.	122	2	124	110	306	330
Synthetic rubber (including rubber compounds and reclaimed rubber)	688	11,627	12,315	6,696	24,317	11,805
Plastic materials, not shaped, and plastics basic shapes and forms	1,289	10,639	11,928	2,541	19,395	5,813
Chemical specialties, industrial, n.e.s.	1,523	2,482	4,005	5,948	8,489	42,696
Gasoline	5,447	-	5,447	659	55,106	2,614
Fuel oil	312,359	3,542	315,901	294,481	686,584	658,609
Lubricating oils and greases	8,025	572	8,597	24,357	90,425	58,494
Coke of petroleum and coal	-	24,438	24,438	32,215	67,790	74,558
Coal tar and coal pitch	-	102	102	3,754	5,380	10,392
Petroleum and coal products, n.e.s.	27	1,509	1,536	6,838	25,421	34,898
Ferro-alloys	4,474	-	4,474	5,982	16,197	44,388
Pig iron	11,853	-	11,853	30,951	72,370	94,317
Primary iron and steel, n.e.s.	1,701	31	1,732	547	39,316	2,065
Bars and rods, steel	34,341	20	34,361	170,128	89,991	317,827
Plate, sheet and strip, steel	211,989	6,474	218,463	140,747	531,165	429,468
Structural shapes and sheet piling	75,217	38	75,255	96,305	193,364	312,729

TABLE 2. Tonnage of Freight Transported through the St. Lawrence Canals, by Commodity, and by Direction

Commodity	June 1966			Total June 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
tons						
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	5,957	921	6,878	4,736	17,163	14,429
Wire (including wire rope)	16,569	148	16,717	9,929	41,026	35,242
Aluminum (including alloys)	5,074	102	5,176	5,496	14,407	12,010
Non-ferrous metals, n.e.s.	1,751	106	1,857	3,120	5,305	23,934
Metal fabricated basic products	15,203	674	15,877	20,665	59,987	55,794
Glass basic products	8,923	-	8,923	7,226	23,842	20,784
Cement	4,619	5,117	9,736	2,373	10,658	4,765
Non-metallic mineral basic products, n.e.s.	4,509	885	5,394	6,516	14,649	13,055
Miscellaneous fabricated materials ...	633	5	638	194	1,305	2,062
Tractors	4,857	985	5,842	7,839	21,418	10,069
Machinery, n.e.s.	9,764	7,408	17,172	12,405	37,981	38,907
Passenger automobiles and chassis	6,518	8,641	15,159	10,030	39,524	30,328
Motor vehicle engines, accessories, parts and assemblies	2,049	2,252	4,301	3,449	13,763	9,472
Equipment	1,477	2,190	3,667	2,273	9,134	3,289
Personal and household goods	2,068	148	2,216	1,704	8,949	3,713
Domestic package freight	14,947	29,920	44,867	79,947	171,580	193,562
Other	49,273	31,421	80,694	39,889	203,913	114,546
Total freight carried	2,819,933	2,612,515	5,432,448	5,142,093	15,836,111	13,714,460

TABLE 3. Tonnage of Freight Transported through the Welland Canal, by Commodity, and by Direction

Commodity	June 1966			Total June 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
tons						
Meat, fresh, chilled or frozen	1,035	8,615	9,650	4,058	15,539	9,605
Milk powder	-	10,983	10,983	26,196	18,083	45,402
Barley	-	273,795	273,795	243,668	707,596	458,604
Corn	-	332,949	332,949	670,549	1,201,056	1,364,156
Oats	-	96,222	96,222	76,944	260,456	177,107
Rye	-	12,092	12,092	10,765	119,029	24,610
Wheat	-	1,181,117	1,181,117	874,988	3,858,393	2,484,455
Cereals, unmilled, n.e.s.	-	22	22	1,869	417	4,958
Corn meal and flour	-	15,091	15,091	8,660	23,096	17,146
Malt and malt flour	-	8,697	8,697	6,648	30,517	26,685
Wheat flour	-	27,595	27,595	29,858	51,074	85,650
Cereals, milled, n.e.s.	-	8,541	8,541	-	10,540	1,320
Fruit juices, unfermented, not concentrated, and fruit juice concentrates	612	25	637	1,738	1,393	3,355
Fruits, preserved, not canned, n.e.s.	182	158	340	654	3,663	4,504
Fruits and preparations, canned (except infant foods)	1,717	23	1,740	1,478	4,482	3,747
Vegetables, dried	30	14,262	14,292	18,273	55,125	41,465
Raw sugar	4,710	57	4,767	6,621	18,284	11,250
Molasses, crude	15,756	-	15,756	4,942	21,356	22,556
Syrup	2,675	-	2,675	-	3,714	4,519
Cocoa and chocolate	1,357	861	2,218	187	8,535	1,612
Lard	-	7,421	7,421	7,546	14,344	18,838
Hay, forage and straw	-	-	-	-	-	-
Hulls, screenings, chaff and scourings	-	17,486	17,486	2,119	41,078	18,705
Wheat bran, shorts and middlings	-	4,362	4,362	-	4,362	-
Ground cereals and by-products, n.e.s.	-	157	157	-	3,802	2,881
Soyabean oil meal and cake	-	51,054	51,054	22,829	81,427	52,099
Oil seed meals and cake, n.e.s.	-	16,856	16,856	2,941	24,362	14,384

TABLE 3. Tonnage of Freight Transported through the Welland Canal, by Commodity, and by Direction

Commodity	June 1966			Total June 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
	tons					
Brewers' and distillers' grains and solubles	-	826	826	3,254	1,158	3,593
Feeds of vegetable origin, n.e.s.	-	86,049	86,049	23,529	117,116	34,641
Ale, beer, stout and porter	1,081	8	1,089	1,035	3,347	3,506
Wines	2,780	-	2,780	2,190	11,387	7,053
Distilled alcoholic beverages	3,877	61	3,938	3,629	13,260	12,118
Raw hides and skins and undressed fur skins	245	11,671	11,916	9,377	19,720	25,236
Flaxseed	-	64,477	64,477	37,537	175,881	110,558
Rapeseed	-	-	-	896	10,595	9,904
Soyabeans	-	150,901	150,901	177,376	514,980	519,933
Rubber and allied gums, natural, and natural gums and resins	10,190	-	10,190	15,615	26,558	34,374
Logs	11,554	1,678	13,232	3,955	17,273	8,332
Pulpwood	32,816	-	32,816	4,192	51,936	7,082
Alumina and bauxite ore	-	-	-	28,289	28,723	36,534
Iron ore, crude, and concentrates, calcined, roasted or treated	1,589,630	492,175	2,081,805	2,255,506	5,820,418	5,879,999
Manganese ore	53,092	-	53,092	10,414	107,704	10,414
Ores, concentrates and precipitates, n.e.s.	-	-	-	-	12	33
Iron and steel scrap	5,602	3,509	9,111	6,913	9,259	35,543
Non-ferrous and precious metal scrap	536	9,916	10,452	158	14,418	2,318
Coal, bituminous, sub-bituminous, and lignite	-	985,494	985,494	1,043,613	2,800,367	2,501,244
Bentonite	-	9,535	9,535	13,817	19,145	26,062
China clay	-	3	3	-	2,643	2,600
Clay and other crude refractory materials, n.e.s.	10	12,223	12,233	6,259	36,035	12,501
Sand and gravel	3,291	11,800	15,091	15,530	75,166	59,310
Limestone	6,196	-	6,196	23,810	6,196	79,522
Crushed stone, including stone refuse (except limestone flux and crushed limestone)	112,824	-	112,824	70,150	419,996	233,348
Stone, crude, n.e.s.	416	12,836	13,252	34,363	22,997	53,693
Fluorspar	20,406	4,841	25,247	14,981	47,968	48,314
Salt	-	12,810	12,810	21,865	75,642	43,065
Crude non-metallic minerals (except coal and petroleum), n.e.s.	16,256	596	16,852	433	23,002	3,100
Veneer, plywood and wood building boards	7,091	155	7,246	3,144	16,512	9,451
Pulp	2,081	1,389	3,470	10,233	11,533	21,798
Newsprint paper	56,977	1,443	58,420	74,410	198,034	201,618
Building paper and building board (except wood, plastic and gypsum board)	940	-	940	1,696	2,149	4,844
Cordage, twine and rope (except braided cords and threads)	1,388	6	1,394	3,009	20,696	15,800
Animal oils and fats (except marine)	-	9,529	9,529	25,113	50,970	56,028
Fish and marine animal oils	2,257	-	2,257	3,071	2,367	4,143
Vegetable oils and fats, except essential oils, n.e.s.	2,350	-	2,350	5,243	6,243	10,407
Oils, fats, waxes, extracts and derivatives, animal and vegetable, n.e.s.	33	124	157	2,027	7,254	4,018
Metallic salts and peroxy salts, of inorganic acids	75	355	430	5,626	14,884	24,346
Inorganic chemicals, n.e.s.	839	20,401	21,240	29,824	45,365	40,923
Glycol	-	581	581	5,481	9,604	11,745
Organic chemicals, n.e.s.	2,746	5,997	8,743	9,587	25,912	27,465
Fertilizers and fertilizer materials, n.e.s.	32	2	34	87	211	263
Synthetic rubber (including rubber compounds and reclaimed rubber)	341	11,070	11,411	6,376	22,016	11,247
Plastic materials, not shaped, and plastics basic shapes and forms	307	9,702	10,009	1,979	15,900	4,740
Chemical specialties, industrial, n.e.s.	520	2,376	2,896	6,213	5,581	41,361
Gasoline	28,677	554	29,231	39,464	106,218	86,260
Fuel oil	101,606	58,401	160,007	157,345	327,371	357,843

TABLE 3. Tonnage of Freight Transported through the Welland Canal, by Commodity, and by Direction

Commodity	June 1966			Total June 1965	Cumulative total	
	Upbound	Downbound	Total		1966	1965
tons						
Lubricating oils and greases	12,260	572	12,832	23,324	59,595	69,779
Coke of petroleum and coal	-	30,214	30,214	32,215	73,566	81,874
Coal tar and coal pitch	-	7,532	7,532	11,479	26,402	31,377
Petroleum and coal products, n.e.s. ...	5	3,894	3,899	3,484	30,676	25,038
Ferro-alloys	3,153	-	3,153	3,574	14,663	41,947
Pig iron	16,012	-	16,012	30,951	72,049	94,317
Primary iron and steel, n.e.s.	1,680	-	1,680	529	58,829	1,879
Bars and rods, steel	32,664	20	32,684	162,745	80,113	292,859
Plate, sheet and strip, steel	200,989	246	201,235	131,997	508,306	376,762
Structural shapes and sheet piling ...	62,022	15	62,037	60,442	157,980	252,984
Pipes and tubes, iron and steel (except fittings and finished electrical conduit and tubing)	4,234	455	4,689	3,749	11,107	9,916
Wire (including wire rope)	14,173	141	14,314	8,343	35,530	29,478
Aluminum (including alloys)	2,779	92	2,871	5,388	11,242	11,565
Non-ferrous metals, n.e.s.	1,492	44	1,536	1,852	4,542	4,339
Metal fabricated basic products	13,012	142	13,154	15,598	51,124	45,751
Glass basic products	5,722	-	5,722	5,465	18,243	15,743
Cement	7,524	12,381	19,905	18,083	44,506	47,534
Non-metallic mineral basic products, n.e.s.	3,469	669	4,138	2,548	9,847	6,282
Tractors	3,986	983	4,969	7,307	18,290	9,455
Machinery, n.e.s.	6,790	6,714	13,504	9,267	26,403	28,461
Passenger automobiles and chassis ...	5,055	8,433	13,438	7,723	32,222	24,922
Motor vehicle engines, accessories, parts and assemblies	1,333	2,137	3,470	2,648	10,212	7,293
Equipment	456	1,174	1,630	1,438	3,965	3,329
Domestic package freight	30,642	19,708	50,350	65,812	163,053	162,210
Other	19,655	34,010	53,665	31,166	145,432	127,994
Total freight carried	2,556,243	4,211,511	6,767,754	6,899,456	19,611,842	17,440,931

TABLE 4. Tonnage of Freight Transported through the Sault Ste. Marie Canals, by Commodity and by Direction
June 1966

Commodity	Upbound		Downbound		Total	
	Canadian lock	Canadian and U.S. locks	Canadian lock	Canadian and U.S. locks	Canadian lock	Canadian and U.S. locks
tons						
Paper and woodpulp	-	-	21,045	30,672	21,045	30,672
Pulpwood, lumber and logs	990	990	14,797	31,003	15,787	31,993
Wheat	-	-	6,146	1,498,307	6,146	1,498,307
Barley	-	-	2,353	284,303	2,353	284,303
Oats	-	-	5,296	133,707	5,296	133,707
Corn	-	-	-	84,390	-	84,390
Rye	-	-	-	19,259	-	19,259
Flaxseed	-	-	-	40,508	-	40,508
Soyabeans	-	-	-	37,254	-	37,254
Flour	-	-	-	7,941	-	7,941
Mill products, screenings	-	3,360	10,297	72,900	10,297	76,260
Iron ore	-	-	-	9,765,436	-	9,765,436
Manufactured iron and steel	107	30,827	-	17,476	107	48,303
Pig iron	4,159	6,399	-	13,083	4,159	19,482
Scrap iron	-	-	-	9,520	-	9,520
Stone, broken, sand and gravel	-	228,723	19,000	20,000	19,000	248,723
Cement	2,993	23,768	-	-	2,993	23,768
Coal, bituminous	5,175	1,150,594	-	-	5,175	1,150,594
Coal, anthracite	-	-	-	-	-	-
Coke	-	-	-	-	-	-
Non-metallic minerals, mfrs.	-	17,813	-	-	-	17,813
Gasoline	4,034	21,818	4,500	10,489	8,534	32,307
Fuel oil	10,344	86,199	-	2,130	10,344	88,329
Other petroleum products	-	-	-	-	-	-
Motor vehicles	43	64	-	-	43	64
Miscellaneous merchandise	2,180	69,764	5,981	64,655	8,161	134,419
Domestic package freight	21,255	21,255	13,843	13,843	35,098	35,098
Total freight carried	51,280	1,661,574	103,258	12,156,876	154,538	13,818,450

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