

4.5 yd dipper dredge. #116. 1902

1	Engines
2	Eccentric & slides
3	Rod, piston, crank & bearings
4	Swing drum & shafting
5	Main engine

Various. 1905-45

6	6	Dipper for Dipper Dredge #2
7	32	Dipper Dredge "Progress". Thrust cylinder
8	39	3 cu yd dipper
9	43	3 & 4.5 yd dipper dredge. Dipper castings
10	44	... castings & forgings
11	70	450 cu yd dumping scows. U bolts
12	117-2	Dredge 117. Main hoisting drum

500 cu yd dumping scow. 1906

13	52	Hydraulic arrangement
14	55	Packing for hydraulic cylinders

Dipper Dredge #6. 1906-07

15	56	Boom
16	58	Midship section
17	60	Backing chain drum
18	76	Boom. General plan
19	77	Turn table for swinging boom
20	98	Details of A frame
21	104	Plan view
22	106	Side view

300 cu yd dumping scow. 1906-07

23	62	Midship section*
24	63	Detail of machinery
25	64	General plan*

CHRONOLOGICAL LIST

RG11M
890504

26 68 Machinery for operating doors

5 cu yd Dipper Dredge. 1907-1908

27-120 100-101, 122-124, 126-141, 143-179, 180-192, 194-210, 213, 215, 220-221, 227-228 (not listed)

5 cu yd Dipper Dredge. 1907-09

121 193 Stern end
122 211 Saddl block... for dipper arm
123 216 Hoisting Eng Reversing details
124 219 Machinery arrangement
125 250 Steam capstan

Various. 1908-13

126-140 229, 239, 251, 254-256, 269, 272-273, 281, 283-284, 359, 364, 367 (not listed)

2.5 cu yd Dipper Dredge. 1909

141 268 General arrangement of boom & A frame, etc. 09-05
142 270 Boom fittings.
143 271 Boom

1.5 cu yd orang peel bucket dredge for Riviere des Prairies. 1911

144 308 Plan & profile
145 309 [details]

1 cu yd dredge for the Maritimes. J.E. Larochelle, designer. 1911

146 312 Midship section
147 313 Forward & aft end view
148 314 Arrgt of main deck beams
149 315 Plan of main deck
150 316 Plan of upper deck
151 317 Longitudinal section
152 318 Side view...
153 319 Hog frame & overhead beams

CHRONOLOGICAL LIST

RG11M
890504

95 cu yard wooden hopper scow. 1912

154	327	Side view & sections (& list)
155	328	Details of pawls & brake
156	329	Leading plates, shaft...

150 cu yd steel hopper scow. J.W. [Geroll], architect. 1912

157 Dwgs 1-6 (not listed)

- 162

Sounding scow. 1913

163	379	Detail of hull (+ list)
164	380	... side frame
165	381	... gearing
166	382	" "
167	383	... brake
168	384	... pawl, handles & hand
169	385	... chain & wheel
170	386	" "
171	387	... bracket
172	388	... drum
173	389	... pawl arrgt
174	390	... brake band & foot lever
175	391	... clutch & lever
176	392	... shafting
177	393	... clutch lever & locking gevice
178	394	... sweeping & guaging bars
179	395	... universal joint
180	396	... deck failead
181	397	... side bracket & sheave
182	398	... end bracket & sheave
183	399	... spud keeper
184	400	... amion...
185	401	... winding wheel
186	402	assembly of brake & pawl gear
167	403	Details of brake & pawl gear
188	404	detail of pawl gear.

Various dredges. 1914-1928

189-
249 430-431, 435, 438-439, 442, 461-464, 470-471, 475-477, 481, 485-486, 491-496, 499-500, 502-511-516, 518-522, 526-531, 535-542, 544-546, 559--561, 563, 572-573 (not listed)

Dredge #5, 80' pontoon. 1927-50

250 565 Buoyancy tanks & discharge pipe
251 660 Arrangement
252 661 Buoyancy tank & discharge pipe
253 662 Details of fittings
254 663 Details of connection
255 701 Ball & socket connection...

300 cu yd Hopper Scow. 1928

256 581 General view, plan & elevation
257 582 Midship section
258 583 End Bulkheads
259 584 Centre bulkheads
260 585 Doors...
261 586 Door sills & hopper coaming
262 587 Shafts, brake, leading plates & clamps
263 588 Bearings, winding wheels...
264 589 Warm door closing gear

200 cu yd steel hopper scow. 1932

265 620 General view, plan & elevation
266 621 Midship section
267 622 End bulkheads
268 623 Centre bulkheads
269 624 Doors & door arrangement
270 625 Door sills & hopper coaming (1 dup)
271 626 Shafts, brake, leading plates & clamps
272 627 Bearings, winding wheels...
273 628 Worm door closing gear

CHRONOLOGICAL LIST

RG11M
890504

Coal scows 580 & 581. 1935

- 274 647 Hull plan & sections
275 648 Hull castings

2.5 & 3 cu yd Dipper Dredge. 1935

- 276 E5-1 Details of 2.5 cu ft dredge bucket. PWC Winnipeg. 35-03
277 Details of 3 cu yd dipper... nd

Dipper Dredge #123. 1936

- 278 651 Sections. Dipper
279 652 Back & lip
280 653 Castings & forgings
281 654 tooth & base

Fraser River Snag Boat. 1936

- 282 655 Plans, profiles & Sections
283 656 Keelson, lines & details
284 657 Engine Room plan and details

Various. 1936-45

- 285 658 Dredge 117. Dipper arm
286 668a Dredge 116. Detail of new shipper, shaft & dipper arm
287 672 Dredge 126. Sections
288 674 Dredge, patrol & snag vessel. Plan & profile.

25 cu yd wooden dump scow (for Dredge 126). 1938

- 289 Plan, elevation, sections, details (1 dup)

Hopper Scows, 100 & 150 cu yd capacity. 1935-47

- 290 687 General view, plan & elevation. 100 cu yd. 1947
291 635 " " ". 150 cu yd. 1935
292 636 Midship section " "
293 637 End bulkheads

CHRONOLOGICAL LIST

RG11M
890504

294	638	Centre bulkhead
295	639	Doors & door arrangement
296	640	Door sills & Hopper coaming
297	641	Shafts, brakes, loading plates & clamps
298	642	Bearings, winding wheels, etc
299	643	Worm door closing gear

Dredge 400. 1949-77

300	400-P	General arrangement. H. Mcl. Allan. 77-08-05
301		Tank capacity curve. 65-04-05
302	3	Lines plan. Cdn Vickers Ship 249. 49-12-03

Grab Hopper Dredge 400. Canadian Vickers Hull 249.

303	CV6	Construction sections
304	CV7	Shell expansion
305	CV25	Priestman Bros. Gen arrgt, No 30 steam grab dredger
306	CV27	Stern Frame
307	CV28	Rudder
308	CV38	Air, ballast, bilge & sound piping
309	CV74	Priestman Bros. Double chain heavyweight grab
310	CV113	Arrgt of FW, HFW & sanitary salt water piping
311	CV143	Hydrostatic curves
312	CV148	General Arrangement
313	CV151	Capacity plan
314	CV159	Docking plan
315	MA-951	Scotch Marine Boiler
316	MA-960	Arrgt of boiler mountings
317	MA-961	Arrgt of shafting
318	MA-964	Propeller
319	MA-966	Details of shafting
320	MA-967	Stern tube
321	MA-968	Line shaft bearing
322	MA-981	Arrgt of machinery
323	MA-989	Arrgt of bilge ballast condenser circulating & boiler feed water piping
324	MA-992	Steam & exhaust piping. Arrangement, 1950
325	MA-1007	Sea inlets & overboard discharge. Arrangement
326	MB-963	Diagram of bilge, ballast, sanitary & condenser cooling water pipes
327	MB-973	Diagram of steam piping

CHRONOLOGICAL LIST

RG11M
890504

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- 328 MB-974-0 Diagram of exhaust piping
 - 329 MB-975 Diagram of condensate & feed piping
 - 330 MB-1008 2sh Detail of sea chest
 - 331 MB-1010 Arrgt & details of chocks & holding down bolts for ME & Thrust Block
 - 332 VE-1 Electric lighting. One-line diagram
 - 333 VE-2 Arrgt
 - 334 732 Furnace gear for the Boiler

Dredge 22. 1952-66

- 335 1952-3c Construction sections. Alex Campbell, Montreal.
- 336 Additional stiffening in deckhouse
- 337 Sketch, Stern spud
- 338 Sketch, proposed changes

110' Drillboat 401 for Newfoundland. 1952-79

- 339 Preliminary
- 340 Alteration
- 341 709 General Arrangement Profile
- 342 710 General arrangement plan
- 343 711 General construction
- 344 712 Spud arrangement
- 345 401-P-1 Conversion to Dredge. Revised General Arrangement & Profile
- 346 401-P-2 ... Sections & details

50' Inspection launch for PEI. 1954

- 347 743 Plan & profile
- 348 744 Lines plan
- 349 745 Construction sections

40' Tug "Laniel". 1954.

- 350 734 General arrangement
- 351 735 Lines
- 352 736 Construction sections

Tug "Peguis". (Dredge 205). 1954

CHRONOLOGICAL LIST

RG11M
890504

353 Steel Hull
354 740 Lines drawing
355 741 Framing plan

Snagboat "Samson V". Reconstruction 1957

356 B-60 General arrangement

Tug "Halcyon Bay". McLaren & Sons. 1958. PWC Plan B-528

357 386-1 Midship section
358 386-2 General Arrangement.
359 386-3 Lines Plan

63' Survey Boat "Nutak" A.F. Theriault, Meteghan River. 1959.

360 453 General piping arrangement
361 B-453 Switchboard diagram
362 Lighting system. (MV Rigolet)
363 453 Engine room layout
364 B-453 Deck & profile detail
365 Wiring diagram (MV Rigolet)
366 B-453 Outboard profile
367 B-453 Detail of rudder...
368 Heating system (MV Rigolet)
369 B-453 Wiring detail
370 B-453 Lines
371 453 Heating system
372 Ice protection

Tug "Roseway". Steel & Engine Products, Liverpool. 1959-61

373 C-95 General arrangement. Designer, McLaren & Son
374 C-95 Lines plan...
375 450-4 Engine seating
376 450-5 Stern tube & shafting
377 450-7 CS quadrant, rudder & details
378 450-8 Details of superstructure. Ferguson Industries (1 dup)
379 450-12a Bilge, ballast & fire piping
380 450-14 Forward end framing

CHRONOLOGICAL LIST

RG11M
890504

- 381 450-15 Rev gen arrangement & details
382 450-16 Rev steel super structure

30 cu yd Dump scow. 1959

- 383 C-200 sh1 Gen Arrangement
384 sh2 Structural drawing
385 sh3 Detail of doors
386 sh4 Hopper door operating machinery
387 sh5 Hopper door release mechanism

Dredge 16. Halifax Shipyards. 1959-60

- 388 26-1 General arrangement. Halifax Shipyards. 60-09-22
389 26-2 Bottom & side plating 60-06-23
390 26-3 Deck plating, girders, bulkheads and web frames... 60-06-21
391 26-4 Details of deck house. 60-08-31
392 26-12 Details of spud wells. Halifax Shipyards. 60-06-28
393 C-93 sh1 Replacement. Gen arrgt. PWC. 59-08-17
394 sh2 Details of spuds & spud wells. 59-09-02
395 sh3 Construction sections. 59-08-25

Tug "Kelligrews". Hull 45. Saint John Shipbuilding. 1960

- 396 115 General arrangement.
397 45-1 Lines plan. 60-08
398 45-33 Profile, decks, WT bulkheads. 60-05
399 45-40 Shell expansion
400 45-42 Rudder & rudder horns
401 45-62 Bulwarks
402 45-94A Boat storage
403 H44 Shaft brackets & bossing
404 45-347 Pumping arrangement
405 45-388 Exhaust piping arrangement
406 45-501 Power schematic
407 45-503 Lighting schematic, as fitted (5 pages)
408 Trim diagram
409 Propeller
410 Docking plan

CHRONOLOGICAL LIST

RG11M
890504

411	Capacity plan
412	Stability loading plan
413	Shafting sterntube details
414	Machinery arrangement
415	Framing plan
416	Cross curves of stability

Mackenzie River Survey vessel. Robert Allan, arch't. 1960

417	25-59-1	Lines plan. 60-04-12
418	-1A	Tunnel sections with offsets
419	-2	Structural sections
420	-3	Structural arrangement
421	-4	Main deck plan
422	-5	Inboard profile & hold plan
423	-7	Joiner sections
424	-8	Propeller shafting
425	-9	Piping diagram
426	-11	Rudder details
427	-12	Electrical outlet diagram

100 ft Hopper scow & 90 ft dump scow. Victoria Machinery Depot Co. 1960

428	2992	Structural plan
429	2993	Hatches, pusher posts & ladders
430	2994	Hopper doors & lifting gear
431	2995	Pneumatic piping diagram. 60-07-22
432	2996	Hopper door release mechanism
433	3243	General arrangement

100 cu yd Dump Scow. 1960

434	C-356	Structural
435	C-356	Hopper Door operating machinery
436	"	Detail of doors
437		Hopper door releasing mechanism
438		Pneumatic circuit
439		General Arrgt

CHRONOLOGICAL LIST

RG11M
890504

Launch Brudenell. Ferguson Industries Hull 141. 1960 - 1961 (dups of 500-1 to 500-18 in Box 2)

440 500-1 sh1 General Arrgt. Decks
441 sh2 Inboard & outboard profile
442 500-3 Stern tube and shafting
443 500-4 Construction sections
444 500-6 Schematic electric layout
445 500-10 sh1 Diag. arrgt of bilge...
446 sh2 Diag. arrgt. of fuel oil... piping
447 500-18 Docking plan
448 C-306...sh2 Lines plan (see below)

449 C306 sh1 General Arrangement. Russell Hipwell Engines, Owen Sound
450 C306 Sh2 Lines plan
451 C306 sh3 Construction Sections
452 614030 sh3 PWC Marine Slip. Frames for the Brudenell

Ice Boring Machine. Designed by US Corps of Engineers. 1962

453 E4-6 9sh 62-06

Tug "Terrenceville". B. Verreault, Les Mechins. 1962-63

454 148-CMS Profile. Commercial Marine Services
455 D-481 sh1 Lines....
456 D-481 sh2 Construction sections....
457 D-481 sh3 General arrangement
458 EM 1 Gen arrangement
459 CM 2 Construction sections
460 CM 6 Shafting arrangement
461 MA 7 Machinery arrangement
462 TU 8 Pumping plan
463 EL 9 Wiring diagram
464 AC 10 Docking plan and drain plugs
465 CM 12 Hydrostatic curves

Launch "Okikendawt". Cliff Richardson Boats, Meaford. 1964

466 Profile & deck

CHRONOLOGICAL LIST

RG11M
890504

467	Plan & profile. PWC
468	Structural Sections
469	Sections & details
470	" "

Survey Boat for NB. 1964

471	Plan & profile
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Gardner Denver Co. 1964

472	RMH16-45S Mast shop assembly
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Survey boat for Quebec region. Gilmore, German & Milne. 1965

473	Suggested changes to design 1062. Proposal 1
474 1062	General arrangement
475 1062-A	Construction sections
476 1062-B	Lines plan
477 1062-C	Machinery arrangement
478 1062-D	12' aluminum work skiff
479 1062-E	Hydrostatic curves

Bunk scow for Dredge 322. 1965

480	Superseded sketch of plant section
481 E749 sh1	General arrgt
482 E749 sh2	Steel plan

Launch "Mimico". Cliff Richardson Boats, Meaford. 1965-68

483	Proposed accommodation layout. Explorer V replacement
484	Plan & profile
485	Construction plan
486	Shaft, strut, rudder...
487 E-575 sh1	General arrangement
488 sh2	Interior layout.
489 701-P-1	Modification rudder
490 701-P-3	Arrgt of rubber fenders & railings

Athabaska River Survey Launch. 1966

491 F-113-1 Plan & profile

Dredge 422. 1966-68

492 F-464-P-2 Details of new funnel
 493 F-464-P-3 Relocation of machinery & staircase
 494 F-527 Alternative V-Belt drives
 495 F-527-1 General arrangement
 496 F-527-2 ... tank bulkheads
 497 F-527-3 Minor bulkheads & control cabin
 498 F-527-4 Machinery arrangement
 499 F-527-6 Proposed layout of air servo controls
 500 F-527-7 Funnel Emblem
 501 422-P-11 Method of turning scow
 502 Dredging cycle. Analysis of power torque & speed variations
 503 Sketch of main equipment to be removed

50' Survey launch for NB. 1970

504 618-P-2 sh1 Lines plan (1dup)
 505 sh2 General arrangement & profile (1 dup)
 506 sh3 Plan view, sections & structural arrgt (1 dup)
 507 sh4 Construction sections

Dredge 16. Modifications. 1971

508 16-P-5 Upper deckhouse, mast & workshop
 509 16-P-6 General arrangement
 510 16-P-7 Structural details

Housebarge for Dredge 251. 1972

511 774-P-1 General arrangement - decks
 512 774-P-2 Profile & general arrangement
 513 774-P-3 Structural sections
 514 774-P-4 Details scow

Dredge 31. Dredgemaster International, Nashville. 1975-78

515-579 65 dwgs. List on file.

Dredge 422. Marine Consultants & Designers, St. Catharines. 1977

- 580 YC 254-1 Hydraulic system
- 581 YC 254-2 Rev Gen Arrangement
- 582 -3 Structural details of new excavator pedestal
- 583 -4 New hydraulic workshop arrangement & details
- 584 -5 Items to be removed

Dredge 31. 1979-81

- 585 Alt 1-A Addition. Steel hull structure
- 586 Alt 1-B New engine room casing
- 587 Alt 1-C Watertight pipe collar
- 588 Alt 1-D Bilge, ballast & ventilation
- 589 Alt 1-E Spud gantry & gates
- 590 Alt 1-G Sketch of grating
- 591 31-P-7 Generator platform
- 592 31-P-8 Generator seating

Pipeline Tug "Carp".

- 593 sh1 Lines
- 594 sh2 General arrangement & sections

80' Inspection Boat for BC. nd

- 595 Preliminary design
- 596 [Lines]