

IRON OR STEEL SHIP.

(Received at London Office,

15041

MON. 27 MAY 1889

Date of writing Report 18th May 89

Port of Sunderland

Date, First Survey August 25-88

Last Survey 14th May

1889

No. 15041 Survey held at Sunderland

On the Steel Screw Steamer "DEDDINGTON"

Rig Schooner (2 Masts)

TONNAGE under

1712.48

ONE, OR TWO DECKED, THREE DECKED VESSEL,
SPAR, OR AWNING-DECKED VESSEL.

Master

J. Wright

Year of appointment

(1) As master in service of
owner of present vessel: 1885
(2) As master of this
vessel: 1887

Built at

Sunderland

When built

1885-9

Launched 3rd April 89

By whom built

J. Priestman & Co

Owners

Henry Samman

Managers

(If desired to be entered in Reg. Book.)

Residence Hull

Port belonging to

Hull

Destined Voyage Cape Breton

If Surveyed while Building, Afloat, or in Dry Dock.

While building and afloat

of Poop

50.21

of Raised Qr.

101.55

Dk. or Break

253.97

of Bridge House

3.34

of House on Deck

17.53

of excess of Hatchways

4.60

of Forecastle

2144.65

ross Tonnage

47.52

as Crew Space

2097.13

as Engine Room

686.29

register Tonnage

1410.84

as cut on Beam

Half Breadth (moulded)

19.48

Depth from upper part of Keel to top of Upper Deck Beams

21.00

Girth of Half Midship Frame (as per Rule)

36.65

1st Number

77.10

1st Number, if a 2 Decked Vessel .. deduct 7 feet

Length

278.5

2nd Number

214.72

Proportions—Breadth to Length

7.15

Depths to Length—Upper Deck to Keel

13.36

Main Deck ditto

LENGTH

Feet. Inches.

BREADTH—

Feet. Inches.

DEPTH top of Floors to Upper

Feet. Inches.

Power of

Horse.

No. of Decks with flat laid

on deck as

per Rule ..

278 6

Moulded ..

38 11

18 10

Engines ..

200

No. of Tiers of Beams

Dimensions of Ship per Register, length, 278.5 breadth, 39.2 depth, 18.8

Moulded depth 20.1

KEEL, depth and thickness

Flat plate keel

Inches in Ship.

Flat Keel Plates, breadth and thickness

36 16

36 16

STEM, moulding and thickness

9x32

9x32

PLATES in Garboard Strakes, br'dth & thickness

40 12

36 12

STERN-POST for Rudder do. do.

9x52

9x52

From Garboard to upper part of Bilges

11-10

11-10

" " for Propeller

9x52

9x52

Of d'bling at Bilge, or increased thickness

—

—

Distance of Frames from moulding edge to

24

24

From up. prt of Bilge to lr. edge of Sh'rstrake

11-10

11-10

moulding edge, all fore and aft

24

24

Main Sheerstrake, breadth and thickness

40 13

40 13

FRAMES, Angle Iron, for $\frac{3}{4}$ length amidships ..

5 3 8

5 3 8

Of d'bling at Sh'stk & lng. applied $\frac{3}{8}$

22 10

20 10

Do. for $\frac{1}{2}$ at each end

5 3 7

5 3 7

From M'n. to Up. of Spar Dk. Sh'rstrake

46 11

10 7

REVERSED FRAMES, Angle Iron

32 3 8

32 3 8

Up. of Spar Dk. Sh'rstrake, br'dth & thicken'ss ..

46 11

10 7

FLOORS, depth and thickness of Floor Plate

24 9

24 9

Butt Straps to outside plating, breadth & thickness

19, 16, 14, 12, 10, 8, 6, 4, 2

Lengths of Plating ten and six spaces of frames.

at mid line for half length amidships ..

—

—

Shifts of Plating, and Stringers two and three spaces

—

Gunwale Plate on ends of Awning, Spar, or

—

—

Upper Deck Beams, breadth and thickness ..

40 11

40 11

thickness at the ends of vessel

—

—

Angle Iron on ditto

52x4x9

52x4x9

depth at $\frac{3}{4}$ the half-bdth. as per Rule ..

—

—

Tie Plates fore and aft, outside Hatchways

—

Deck plating increased

height extended at the Bilges

—

—

Diagonal Tie Plates on Beams No. of Pairs

—

To in up of openings

BEAMS, Upper, Spar, or Awning Deck

62 3 9

62 3 9

Flat of Up., Spar, or Awning Dk. Iron

—

How fastened to Beams

angle or d'ble Ang. Iron, Plate or Tee Bulb Iron

—

—

Stringer Plate on ends of Main or Middle Deck

—

Beams, breadth and thickness

angle or double Angle Iron on Upper edge

—

—

Is the Stringer Plate attached to the outside plating?

—

—

Average space

—

—

Angle Irons on ditto, No.

—

—

BEAMS, Main, or Middle Deck

—

—

Tie Plates, outside Hatchways

—

—

angle or d'ble Ang. Iron, Plate or Tee Bulb Iron

—

—

Diagonal Tie Plates on Beams No. of pairs

—

—

angle or double Angle Iron, on Upper Edge

—

—

Flat of Middle Deck do. do.

—

—

Average space

—

—

How fastened to Beams

—

—

BEAMS, Lower Deck

—

—

Stringer Plates on ends of Lower Deck, Hold or

—

Orlop Beams

angle or d'ble Ang. Iron, Plate or Tee Bulb Iron

—

—

Is the Stringer Plate attached to the outside plating?

—

—

angle or double Angle Iron on Upper Edge

—

—

Angle Irons on ditto, No. 374

52x4x9

52x4x9

Average space

—

—

Stringer or Tie Plates, outside Hatchways

—

—

BEELSONS Centre line, single or double plate,

—

—

Flat of Lower Deck

—

—

box, or Intercoastal, Plates

—

—

Ceiling betwixt Decks, thickness and material ..

2 pine battens

—

" Rider Plate

—

—

" in hold do. do.

—

—

" Bulb Plate to Intercoastal Keelson

—

—

Main piece of Rudder, diameter at head

7

7

" Angle Irons

52 4 9

52 4 9

do. at heel

32

32

" Double Angle Iron Side Keelson

Workmanship. Are the butts of plating planed or otherwise fitted? *planed.*
Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? *yes.*
Are the fillings between the ribs and plates solid single pieces? *yes.* Do the holes for riveting, plate to frames, butt straps, or plates to plate, &c., conform well to each other? *yes.* Are the rivet holes well and sufficiently countersunk in the plate and punch from the faying surfaces? *yes.* Do any rivets break into or through the seams or butts of the plating? *a few in butts*

Masts, Bowsprit, Yards, &c., are *Iron & Wood* in *good* condition, and sufficient in size and length. If of Iron or Steel give scantlings in plating, Angle Irons, &c., and further explain by a sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Material, and if stamped with Maker's name.
State also Length and Diameter of Lower Masts and Bowsprit

*Main Mast 62'0" in length 19" in dia.
Fore Mast 74'9" " 23 " "*

The scantlings and arrangements in accordance with the accompanying sketches. Plates by the Moor S & I Co. which duly withstood the bending tests as prescribed by the Rules.

Number for Equipment	CABLES, &c.			Test per Certificate, Tons.	Fathoms & Inches per Rule.	Machine where Tested and Name of Chain Maker.	ANCHORS. Number of Certificate (State if any and which Anchors are Stockless.)	Weight. Ex. Stock.	Test per Certificate.	Weight required per Rule.	Machine where Tested, Superintendent, also Name of Anchor Maker.
	Number of Certificate.	Fathoms.	Inches.								
Letter for do. <i>pc</i>	<i>7417</i>	<i>135 1/2</i>	<i>1 1/2</i>	<i>55 1/2 - 77 1/2</i>	<i>270 - 1 1/2</i>	<i>4 Jan'y. 89.</i>	<i>17890</i>	<i>30-0-7</i>	<i>28-14-1-14</i>	<i>30-0-0</i>	<i>10th Nov. 88.</i>
N ^o . <i>7418</i>	<i>134 1/2</i>	<i>1 1/2</i>	<i>55 1/2 - 77 1/2</i>	<i>18 Jan'y. 89.</i>	<i>17889</i>	<i>28-2-7</i>	<i>27-11-3-14</i>	<i>30-0-0</i>	<i>9th Nov. 88.</i>		
Fore Sails,	<i>Tested at R.W.C.P.T. by J. Harrison for J. Taylor & Co. all tests at R.W.C.P.T. by J. Harrison for J. Taylor & Co.</i>										
Fore Top Sails,											
Fore Topmast Stay Sails,											
Main Sails,											
Main Top Sails, and quality	<i>90</i>	<i>3 1/2</i>	<i>26 tons</i>	<i>90-3 1/2</i>	<i>28th Jan'y. 89.</i>	<i>17891</i>	<i>27-5-7</i>	<i>27-0-2-14</i>	<i>25-2-0</i>	<i>10th Nov. 88.</i>	
Warp	<i>90</i>	<i>7 1/2</i>	<i>18 tons</i>	<i>90-3</i>	<i>Wabster & Co.</i>	<i>17892</i>	<i>2-2-7</i>	<i>5-2-2-0</i>	<i>2-2-0</i>	<i>1st Dec. 88.</i>	

Standing and Running Rigging *Gale & Son wire* sufficient in size and *good* in quality. She has *Two* Long Boats and *Two* others. The Windlass is *Emerson Walker & Co.* Capstan and Rudder *good* Pumps *good*

Engine Room Skylights. How constructed? *Iron plates and bars* How secured in ordinary weather? *handscrews*
What arrangements for deadlights in bad weather? *Leak shutters & bullseyes.*

Coal Bunker Openings. How constructed? *plates & bars* How are lids secured? *Hatches & battens* Height above deck? *40" & 12"*

Scuppers, &c. What arrangements for clearing upper deck of water, in case of shipping a sea? *Seven ports and four scuppers on each side.*

Cargo Hatchways. How formed? *plates & bars, of usual construction* Hatches, If strong and efficient? *yes.*
State size Main Hatch *23'10" x 14'0"* Fore hatch *16'0" x 14'0"* Quarter hatch *19'11" x 14'0", 19'11" x 14'0"*

If of extraordinary size, state how framed and secured.... *Main hatch 2 deep webs on main deck 1 deep web and two shifting beams as bridge.* What arrangement for shifting beams? *efficient*

Order for Special Survey No. <i>19</i>	DATES of Surveys held while building as per Section 18.	1st. On the several parts of the frame, when in place, and before the plating was wrought	<i>Build under J.P. and J. Harrison 1888 Aug. 5 Oct. 14 Aug. 19</i>
Date <i>19 Sept 88</i>		2nd. On the plating during the process of riveting	<i>19 Sept 88 Dec. 14 1888 19 Jan'y 89 15 March 89 19 May 89 19 July 89 19 Sept 89</i>
Order for Ordinary Survey No. <i>19</i>		3rd. When the beams were in and fastened, and before the decks were laid....	<i>19 Sept 88 19 Oct 88 19 Nov 88 19 Dec 88 19 Jan'y 89 19 Feb'y 89 19 Mar'y 89 19 Apr'y 89 19 May 89 19 June 89 19 July 89 19 Aug'y 89 19 Sept 89 19 Oct 89 19 Nov 89 19 Dec 89 19 Jan'y 90 19 Feb'y 90 19 Mar'y 90 19 Apr'y 90 19 May 90 19 June 90 19 July 90 19 Aug'y 90 19 Sept 90 19 Oct 90 19 Nov 90 19 Dec 90 19 Jan'y 91 19 Feb'y 91 19 Mar'y 91 19 Apr'y 91 19 May 91 19 June 91 19 July 91 19 Aug'y 91 19 Sept 91 19 Oct 91 19 Nov 91 19 Dec 91 19 Jan'y 92 19 Feb'y 92 19 Mar'y 92 19 Apr'y 92 19 May 92 19 June 92 19 July 92 19 Aug'y 92 19 Sept 92 19 Oct 92 19 Nov 92 19 Dec 92 19 Jan'y 93 19 Feb'y 93 19 Mar'y 93 19 Apr'y 93 19 May 93 19 June 93 19 July 93 19 Aug'y 93 19 Sept 93 19 Oct 93 19 Nov 93 19 Dec 93 19 Jan'y 94 19 Feb'y 94 19 Mar'y 94 19 Apr'y 94 19 May 94 19 June 94 19 July 94 19 Aug'y 94 19 Sept 94 19 Oct 94 19 Nov 94 19 Dec 94 19 Jan'y 95 19 Feb'y 95 19 Mar'y 95 19 Apr'y 95 19 May 95 19 June 95 19 July 95 19 Aug'y 95 19 Sept 95 19 Oct 95 19 Nov 95 19 Dec 95 19 Jan'y 96 19 Feb'y 96 19 Mar'y 96 19 Apr'y 96 19 May 96 19 June 96 19 July 96 19 Aug'y 96 19 Sept 96 19 Oct 96 19 Nov 96 19 Dec 96 19 Jan'y 97 19 Feb'y 97 19 Mar'y 97 19 Apr'y 97 19 May 97 19 June 97 19 July 97 19 Aug'y 97 19 Sept 97 19 Oct 97 19 Nov 97 19 Dec 97 19 Jan'y 98 19 Feb'y 98 19 Mar'y 98 19 Apr'y 98 19 May 98 19 June 98 19 July 98 19 Aug'y 98 19 Sept 98 19 Oct 98 19 Nov 98 19 Dec 98 19 Jan'y 99 19 Feb'y 99 19 Mar'y 99 19 Apr'y 99 19 May 99 19 June 99 19 July 99 19 Aug'y 99 19 Sept 99 19 Oct 99 19 Nov 99 19 Dec 99 19 Jan'y 00 19 Feb'y 00 19 Mar'y 00 19 Apr'y 00 19 May 00 19 June 00 19 July 00 19 Aug'y 00 19 Sept 00 19 Oct 00 19 Nov 00 19 Dec 00 19 Jan'y 01 19 Feb'y 01 19 Mar'y 01 19 Apr'y 01 19 May 01 19 June 01 19 July 01 19 Aug'y 01 19 Sept 01 19 Oct 01 19 Nov 01 19 Dec 01 19 Jan'y 02 19 Feb'y 02 19 Mar'y 02 19 Apr'y 02 19 May 02 19 June 02 19 July 02 19 Aug'y 02 19 Sept 02 19 Oct 02 19 Nov 02 19 Dec 02 19 Jan'y 03 19 Feb'y 03 19 Mar'y 03 19 Apr'y 03 19 May 03 19 June 03 19 July 03 19 Aug'y 03 19 Sept 03 19 Oct 03 19 Nov 03 19 Dec 03 19 Jan'y 04 19 Feb'y 04 19 Mar'y 04 19 Apr'y 04 19 May 04 19 June 04 19 July 04 19 Aug'y 04 19 Sept 04 19 Oct 04 19 Nov 04 19 Dec 04 19 Jan'y 05 19 Feb'y 05 19 Mar'y 05 19 Apr'y 05 19 May 05 19 June 05 19 July 05 19 Aug'y 05 19 Sept 05 19 Oct 05 19 Nov 05 19 Dec 05 19 Jan'y 06 19 Feb'y 06 19 Mar'y 06 19 Apr'y 06 19 May 06 19 June 06 19 July 06 19 Aug'y 06 19 Sept 06 19 Oct 06 19 Nov 06 19 Dec 06 19 Jan'y 07 19 Feb'y 07 19 Mar'y 07 19 Apr'y 07 19 May 07 19 June 07 19 July 07 19 Aug'y 07 19 Sept 07 19 Oct 07 19 Nov 07 19 Dec 07 19 Jan'y 08 19 Feb'y 08 19 Mar'y 08 19 Apr'y 08 19 May 08 19 June 08 19 July 08 19 Aug'y 08 19 Sept 08 19 Oct 08 19 Nov 08 19 Dec 08 19 Jan'y 09 19 Feb'y 09 19 Mar'y 09 19 Apr'y 09 19 May 09 19 June 09 19 July 09 19 Aug'y 09 19 Sept 09 19 Oct 09 19 Nov 09 19 Dec 09 19 Jan'y 10 19 Feb'y 10 19 Mar'y 10 19 Apr'y 10 19 May 10 19 June 10 19 July 10 19 Aug'y 10 19 Sept 10 19 Oct 10 19 Nov 10 19 Dec 10 19 Jan'y 11 19 Feb'y 11 19 Mar'y 11 19 Apr'y 11 19 May 11 19 June 11 19 July 11 19 Aug'y 11 19 Sept 11 19 Oct 11 19 Nov 11 19 Dec 11 19 Jan'y 12 19 Feb'y 12 19 Mar'y 12 19 Apr'y 12 19 May 12 19 June 12 19 July 12 19 Aug'y 12 19 Sept 12 19 Oct 12 19 Nov 12 19 Dec 12 19 Jan'y 13 19 Feb'y 13 19 Mar'y 13 19 Apr'y 13 19 May 13 19 June 13 19 July 13 19 Aug'y 13 19 Sept 13 19 Oct 13 19 Nov 13 19 Dec 13 19 Jan'y 14 19 Feb'y 14 19 Mar'y 14 19 Apr'y 14 19 May 14 19 June 14 19 July 14 19 Aug'y 14 19 Sept 14 19 Oct 14 19 Nov 14 19 Dec 14 19 Jan'y 15 19 Feb'y 15 19 Mar'y 15 19 Apr'y 15 19 May 15 19 June 15 19 July 15 19 Aug'y 15 19 Sept 15 19 Oct 15 19 Nov 15 19 Dec 15 19 Jan'y 16 19 Feb'y 16 19 Mar'y 16 19 Apr'y 16 19 May 16 19 June 16 19 July 16 19 Aug'y 16 19 Sept 16 19 Oct 16 19 Nov 16 19 Dec 16 19 Jan'y 17 19 Feb'y 17 19 Mar'y 17 19 Apr'y 17 19 May 17 19 June 17 19 July 17 19 Aug'y 17 19 Sept 17 19 Oct 17 19 Nov 17 19 Dec 17 19 Jan'y 18 19 Feb'y 18 19 Mar'y 18 19 Apr'y 18 19 May 18 19 June 18 19 July 18 19 Aug'y 18 19 Sept 18 19 Oct 18 19 Nov 18 19 Dec 18 19 Jan'y 19 19 Feb'y 19 19 Mar'y 19 19 Apr'y 19 19 May 19 19 June 19 19 July 19 19 Aug'y 19 19 Sept 19 19 Oct 19 19 Nov 19 19 Dec 19 19 Jan'y 20 19 Feb'y 20 19 Mar'y 20 19 Apr'y 20 19 May 20 19 June 20 19 July 20 19 Aug'y 20 19 Sept 20 19 Oct 20 19 Nov 20 19 Dec 20 19 Jan'y 21 19 Feb'y 21 19 Mar'y 21 19 Apr'y 21 19 May 21 19 June 21 19 July 21 19 Aug'y 21 19 Sept 21 19 Oct 21 19 Nov 21 19 Dec 21 19 Jan'y 22 19 Feb'y 22 19 Mar'y 22 19 Apr'y 22 19 May 22 19 June 22 19 July 22 19 Aug'y 22 19 Sept 22 19 Oct 22 19 Nov 22 19 Dec 22 19 Jan'y 23 19 Feb'y 23 19 Mar'y 23 19 Apr'y 23 19 May 23 19 June 23 19 July 23 19 Aug'y 23 19 Sept 23 19 Oct 23 19 Nov 23 19 Dec 23 19 Jan'y 24 19 Feb'y 24 19 Mar'y 24 19 Apr'y 24 19 May 24 19 June 24 19 July 24 19 Aug'y 24 19 Sept 24 19 Oct 24 19 Nov 24 19 Dec 24 19 Jan'y 25 19 Feb'y 25 19 Mar'y 25 19 Apr'y 25 19 May 25 19 June 25 19 July 25 19 Aug'y 25 19 Sept 25 19 Oct 25 19 Nov 25 19 Dec 25 19 Jan'y 26 19 Feb'y 26 19 Mar'y 26 19 Apr'y 26 19 May 26 19 June 26 19 July 26 19 Aug'y 26 19 Sept 26 19 Oct 26 19 Nov 26 19 Dec 26 19 Jan'y 27 19 Feb'y 27 19 Mar'y 27 19 Apr'y 27 19 May 27 19 June 27 19 July 27 19 Aug'y 27 19 Sept 27 19 Oct 27 19 Nov 27 19 Dec 27 19 Jan'y 28 19 Feb'y 28 19 Mar'y 28 19 Apr'y 28 19 May 28 19 June 28 19 July 28 19 Aug'y 28 19 Sept 28 19 Oct 28 19 Nov 28 19 Dec 28 19 Jan'y 29 19 Feb'y 29 19 Mar'y 29 19 Apr'y 29 19 May 29 19 June 29 19 July 29 19 Aug'y 29 19 Sept 29 19 Oct 29 19 Nov 29 19 Dec 29 19 Jan'y 30 19 Feb'y 30 19 Mar'y 30 19 Apr'y 30 19 May 30 19 June 30 19 July 30 19 Aug'y 30 19 Sept 30 19 Oct 30 19 Nov 30 19 Dec 30 19 Jan'y 31 19 Feb'y 31 19 Mar'y 31 19 Apr'y 31 19 May 31 19 June 31 19 July 31 19 Aug'y 31 19 Sept 31 19 Oct 31 19 Nov 31 19 Dec 31 19 Jan'y 32 19 Feb'y 32 19 Mar'y 32 19 Apr'y 32 19 May 32 19 June 32 19 July 32 19 Aug'y 32 19 Sept 32 19 Oct 32 19 Nov 32 19 Dec 32 19 Jan'y 33 19 Feb'y 33 19 Mar'y 33 19 Apr'y 33 19 May 33 19 June 33 19 July 33 19 Aug'y 33 19 Sept 33 19 Oct 33 19 Nov 33 19 Dec 33 19 Jan'y 34 19 Feb'y 34 19 Mar'y 34 19 Apr'y 34 19 May 34 19 June 34 19 July 34 19 Aug'y 34 19 Sept 34 19 Oct 34 19 Nov 34 19 Dec 34 19 Jan'y 35 19 Feb'y 35 19 Mar'y 35 19 Apr'y 35 19 May 35 19 June 35 19 July 35 19 Aug'y 35 19 Sept 35 19 Oct 35 19 Nov 35 19 Dec 35 19 Jan'y 36 19 Feb'y 36 19 Mar'y 36 19 Apr'y 36 19 May 36 19 June 36 19 July 36 19 Aug'y 36 19 Sept 36 19 Oct 36 19 Nov 36 19 Dec 36 19 Jan'y 37 19 Feb'y 37 19 Mar'y 37 19 Apr'y 37 19 May 37 19 June 37 19 July 37 19 Aug'y 37 19 Sept 37 19 Oct 37 19 Nov 37 19 Dec 37 19 Jan'y 38 19 Feb'y 38 19 Mar'y 38 19 Apr'y 38 19 May 38 19 June 38 19 July 38 19 Aug'y 38 19 Sept 38 19 Oct 38 19 Nov 38 19 Dec 38 19 Jan'y 39 19 Feb'y 39 19 Mar'y 39 19 Apr'y 39 19 May 39 19 June 39 19 July 39 19 Aug'y 39 19 Sept 39 19 Oct 39 19 Nov 39 19 Dec 39 19 Jan'y 40 19 Feb'y 40 19 Mar'y 40 19 Apr'y 40 19 May 40 19 June 40 19 July 40 19 Aug'y 40 19 Sept 40 19 Oct 40 19 Nov 40 19 Dec 40 19 Jan'y 41 19 Feb'y 41 19 Mar'y 41 19 Apr'y 41 19 May 41 19 June 41 19 July 41 19 Aug'y 41 19 Sept 41 19 Oct 41 19 Nov 41 19 Dec 41 19 Jan'y 42 19 Feb'y 42 19 Mar'y 42 19 Apr'y 42 19 May 42 19 June 42 19 July 42 19 Aug'y 42 19 Sept 42 19 Oct 42 19 Nov 42 19 Dec 42 19 Jan'y 43 19 Feb'y 43 19 Mar'y 43 19 Apr'y 43 19 May 43 19 June 43 19 July 43 19 Aug'y 43 19 Sept 43 19 Oct 43 19 Nov 43 19 Dec 43 19 Jan'y 44 19 Feb'y 44 19 Mar'y 44 19 Apr'y 44 19 May 44 19 June 44 19 July 44 19 Aug'y 44 19 Sept 44 19 Oct 44 19 Nov 44 19 Dec 44 19 Jan'y 45 19 Feb'y 45 19 Mar'y 45 19 Apr'y 45 19 May 45 19 June 45 19 July 45 19 Aug'y 45 19 Sept 45 19 Oct 45 19 Nov 45 19 Dec 45 19 Jan'y 46 19 Feb'y 46 19 Mar'y 46 19 Apr'y 46 19 May 46 19 June 46 19 July 46 19 Aug'y 46 19 Sept 46 19 Oct 46 19 Nov 46 19 Dec 46 19 Jan'y 47 19 Feb'y 47 19 Mar'y 47 19 Apr'y 47 19 May 47 19 June 47 19 July 47 19 Aug'y 47 19 Sept 47 19 Oct 47 19 Nov 47 19 Dec 47 19 Jan'y 48 19 Feb'y 48 19 Mar'y 48 19 Apr'y 48 19 May 48 19 June 48 19 July 48 19 Aug'y 48 19 Sept 48 19 Oct 48 19 Nov 48 19 Dec 48 19 Jan'y 49 19 Feb'y 49 19 Mar'y 49 19 Apr'y 49 19 May 49 19 June 49 19 July 49 19 Aug'y 49 19 Sept 49 19 Oct 49 19 Nov 49 19 Dec 49 19 Jan'y 50 19 Feb'y 50 19 Mar'y 50 19 Apr'y 50 19 May 50 19 June 50 19 July 50 19 Aug'y 50 19 Sept 50 19 Oct 50 19 Nov 50 19 Dec 50 19 Jan'y 51 19 Feb'y 51 19 Mar'y 51 19 Apr'y 51 19 May 51 19 June 51 19 July 51 19 Aug'y 51 19 Sept 51 19 Oct 51 19 Nov 51 19 Dec 51 19 Jan'y 52 19 Feb'y 52 19 Mar'y 52 19 Apr'y 52 19 May 52 19 June 52 19 July 52 19 Aug'y 52 19 Sept 52 19 Oct 52 19 Nov 52 19 Dec 52 19 Jan'y 53 19 Feb'y 53 19 Mar'y 53 19 Apr'y 53 19 May 53 19 June 53 19 July 53 19 Aug'y 53 19 Sept 53 19 Oct 53 19 Nov 53 19 Dec 53 19 Jan'y 54 19 Feb'y 54 19 Mar'y 54 19 Apr'y 54 19 May 54 19 June 54 19 July 54 19 Aug'y 54 19 Sept 54 19 Oct 54 19 Nov 54 19 Dec 54 19 Jan'y 55 19 Feb'y 55 19 Mar'y 55 19 Apr'y 55 19 May 55 19 June 55 19 July 55 19 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Feb'y 63 19 Mar'y 63 19 Apr'y 63 19 May 63 19 June 63 19 July 63 19 Aug'y 63 19 Sept 63 19 Oct 63 19 Nov 63 19 Dec 63 19 Jan'y 64 19 Feb'y 64 19 Mar'y 64 19 Apr'y 64 19 May 64 19 June 64 19 July 64 19 Aug'y 64 19 Sept 64 19 Oct 64 19 Nov 64 19 Dec 64 19 Jan'y 65 19 Feb'y 65 19 Mar'y 65 19 Apr'y 65 19 May 65 19 June 65 19 July 65 19 Aug'y 65 19 Sept 65 19 Oct 65 19 Nov 65 19 Dec 65 19 Jan'y 66 19 Feb'y 66 19 Mar'y 66 19 Apr'y 66 19 May 66 19 June 66 19 July 66 19 Aug'y 66 19 Sept 66 19 Oct 66 19 Nov 66 19 Dec 66 19 Jan'y 67 19 Feb'y 67 19 Mar'y 67 19 Apr'y 67 19 May 67 19 June 67 19 July 67 19 Aug'y 67 19 Sept 67 19 Oct 67 19 Nov 67 19 Dec 67 19 Jan'y 68 19 Feb'y 68 19 Mar'y 68 19 Apr'y 68 19 May 68 19 June 68 19 July 68 19 Aug'y 68 19 Sept 68 19 Oct 68 19 Nov 68 19 Dec 68 19 Jan'y 69 19 Feb'y 69 19 Mar'y 69 19 Apr'y 69 19 May 69 19 June 69 19 July 69 19 Aug'y 69 19 Sept 69 19 Oct 69 19 Nov 69 19 Dec 69 19 Jan'y 70 19 Feb'y 70 19 Mar'y 70 19 Apr'y 70 19 May 70 19 June 70 19 July 70 19 Aug'y 70 19 Sept 70 19 Oct 70 19 Nov 70 19 Dec 70 19 Jan'y 71 19 Feb'y 71 19 Mar'y 71 19 Apr'y 71 19 May 71 19 June 71 19 July 71 19 Aug'y 71 19 Sept 71 19 Oct 71 19 Nov 71 19 Dec 71 19 Jan'y 72 19 Feb'y 72 19 Mar'y 72 19 Apr'y 72 19 May 72 19 June 72 19 July 72 19 Aug'y 72 19 Sept 72 19 Oct 72 19 Nov 72 19 Dec 72 19 Jan'y 73 19 Feb'y 73 19 Mar'y 73 19 Apr'y 73 19 May 73 19 June 73 19 July 73 19 Aug'y 73 19 Sept 73 19 Oct 73 19 Nov 73 19 Dec 73 19 Jan'y 74 19 Feb'y 74 19 Mar'y 74 19 Apr'y 74 19 May 74 19 June 74 19 July 74 19 Aug'y 74 19 Sept 74 19 Oct 74 19 Nov 74 19 Dec 74 19 Jan'y 75 19 Feb'y 75 19 Mar'y 75 19 Apr'y 75 19 May 75 19 June 75 19 July 75 19 Aug'y 75 19 Sept 75 19 Oct 75 19 Nov 75 19 Dec 75 19 Jan'y 76 19 Feb'y 76 19 Mar'y 76 19 Apr'y 76 19 May 76 19 June 76 19 July 76 19 Aug'y 76 19 Sept 76 19 Oct 76 19 Nov 76 19 Dec 76 19 Jan'y 77 19 Feb'y 77 19 Mar'y 77 19 Apr'y 77 19 May 77 19 June 77 19 July 77 19 Aug'y 77 19 Sept 77 19 Oct 77 19 Nov 77 19 Dec 77 19 Jan'y 78 19 Feb'y 78 19 Mar'y 78 19 Apr'y 78 19 May 78 19 June 78 19 July 78 19 Aug'y 78 19 Sept 78 19 Oct 78 19 Nov 78 19 Dec 78 19 Jan'y 79 19 Feb'y 79 19 Mar'y 79 19 Apr'y 79 19 May 79 19 June 79 19 July 79 19 Aug'y 79 19 Sept 79 19 Oct 79 19 Nov 79 19 Dec 79 19 Jan'y 80 19 Feb'y 80 19 Mar'y 80 19 Apr'y 80 19 May 80 19 June 80 19 July 80 19 Aug'y 80 19 Sept 80 19 Oct 80 19 Nov 80 19 Dec 80 19 Jan'y 81 19 Feb'y 81 19 Mar'y 81 19 Apr'y 81 19 May 81 19 June 81 19 July 81 19 Aug'y 81 19 Sept 81 19 Oct 81 19 Nov 81 19 Dec 81 19 Jan'y 82 19 Feb'y 82 19 Mar'y 82 19 Apr'y 82 19 May 82 19 June 82 19 July 82 19 Aug'y 82 19 Sept 82 19 Oct 82 19 Nov 82 19 Dec 82 19 Jan'y 83 19 Feb'y 83 19 Mar'y 83 19 Apr'y 83 19 May 83 19 June 83 19 July 83 19 Aug'y 83 19 Sept 83 19 Oct 83 19 Nov 83 19 Dec 83 19 Jan'y 84 19 Feb'y 84 19 Mar'y 84 19 Apr'y 84 19 May 84 19 June 84 19 July 84 19 Aug'y 84 19 Sept 84 19 Oct 84 19 Nov 84 19 Dec 84 19 Jan'y 85 19 Feb'y 85 19 Mar'y 85 19 Apr'y 85 19 May 85 19 June 85 19 July 85 19 Aug'y 85 19 Sept 85 19 Oct 85 19 Nov 85 19 Dec 85 19 Jan'y 86 19 Feb'y 86 19 Mar'y 86 19 Apr'y 86 19 May 86 19 June 86 19 July 86 19 Aug'y 86 19 Sept 86 19 Oct 86 19 Nov 86 19 Dec 86 19 Jan'y 87 19 Feb'y 87 19 Mar'y 87 19 Apr'y 87 19 May 87 19 June 87 19 July 87 19 Aug'y 87 19 Sept 87 19 Oct 87 19 Nov 87 19 Dec 87 19 Jan'y 88 19 Feb'y 88 19 Mar'y 88 19 Apr'y 88 19 May 88 19 June 88 19 July 88 19 Aug'y 88 19 Sept 88 19 Oct 88 19 Nov 88 19 Dec 88 19 Jan'y 89 19 Feb'y 89 19 Mar'y 89 19 Apr'y 89 19 May 89 19 June 89 19 July 89 19 Aug'y 89 19 Sept 89 19 Oct 89 19 Nov 89 19 Dec 89 19 Jan'y 90 19 Feb'y 90 19 Mar'y 90 19 Apr'y 90 19 May 90 19 June 90 19 July 90 19 Aug'y 90 19 Sept 90 19 Oct 90 19 Nov 90 19 Dec 90 19 Jan'y 91 19 Feb'y 91 19 Mar'y 91 19 Apr'y 91 19 May 91 19 June 91 19 July 91 19 Aug'y 91 19 Sept 91 19 Oct 91 19 Nov 91 19 Dec 91 19 Jan'y 92 19 Feb'y 92 19 Mar'y 92 19 Apr'y 92 19 May 92 19 June 92 19 July 92 19 Aug'y 92 19 Sept 92 19 Oct 92 19 Nov 92 19 Dec 92 19 Jan'y 93 19 Feb'y 93 19 Mar'y 93 19 Apr'y 93 19 May 93 19 June 93 19 July 93 19 Aug'y 93 19 Sept 93 19 Oct 93 19 Nov 93 19 Dec 93 19 Jan'y 94 19 Feb'y 94 19 Mar'y 94 19 Apr'y 94 19 May 94 19 June 94 19 July</i>