


## Fastnet Instruments

The *Fastnet* range of porthole instruments are mounted onto mahogany-coloured wooden boards with brass corners. They feature white faces with black hands and roman numerals, and 12cm cases which have been treated with a special tarnish free coating (see below) so that they do not require polishing. Quartz clock movements use 1x AA battery (not supplied). Barometers display pressure in millibars and inches.

Tarnish-free










**6788 Fastnet Clock/Barometer Set.** Board measures 33x18cm.

**6759 Fastnet Clock/Barometer/ Thermometer/ Hygrometer Set.** Board measures 18x46cm.

## About Tarnish-free Marine Instruments

Our ranges of super durable, tarnish-free instruments have been finished with a protective coating using advanced surface treatment technology. This coating, far superior to lacquers and varnishes, can withstand more than 720 hours (the longest test period for this process) under NSS (Neutral Sea Salt) laboratory testing. NSS testing is a certificated and standardised test method used to check corrosion resistance of coatings on metals such as brass, zinc and steel. It is an accelerated corrosion test that produces a corrosive attack on the product coating from which the results can predict its suitability for use as a protective finish. These instruments will resist tarnishing even when exposed to the harsh marine environment for extended periods.

Tarnish-free

*No more polishing*

## Anchor Instruments

The *Anchor* range of porthole instruments sit recessed into mahogany-coloured wooden boards and plinths. They feature cream faces with black hands and roman numerals, and 10cm cases which have been treated with a special tarnish free coating (see below, left) so that they do not require polishing. Quartz clock movements use 1x LR1 battery (not supplied). Barometers display pressure in millibars and inches.

Tarnish-free



**6748 Anchor Porthole Clock/ Barometer/Thermometer/ Hygrometer Set.** This instrument set is supplied with removable stands that allow you to mount on a wall or free-standing on a shelf. Board measures 36x15cm.



*Free-standing option*



**6758 Anchor Porthole Rotating Weather Station.** This unique desk instrument set combines clock, barometer, thermometer, hygrometer, and compass into a mahogany-effect cube that can be rotated for easy viewing. Measures 14x14x17cm.



**6750 Anchor Porthole Clock and Barometer Set.** Clock and barometer mounted in a traditionally-shaped board. Measures 26x13cm.



## Porthole Magnifier

The same porthole case used in our *Anchor* instruments houses a 2.5x magnification glass lens and is mounted on three legs; perfect for reading fine print or intricate details on your nautical charts. Diameter 10cm, height 4cm. **6745 Porthole Tripod Magnifier, 10cm.**



6746



6747

**6746 Anchor Porthole Clock Paperweight, 10cm.** Mounted in a wooden base with non-slip feet.

**6747 Porthole Compass Paperweight, 10cm.** Coordinating with the *Anchor* clock paperweight, this dry-card compass sits in a porthole case on a wooden mount with non-slip rubber feet.



**6744 Anchor Porthole Desk Clock.** Mounted in a smart wooden plinth, angled for easy viewing, with non-slip feet. Measures 14x14x8cm.



## Mounted Clipper Tarnish-free Range – with QuickFix

The *Clipper* range of instruments are now available mounted onto mahogany-coloured wooden boards with brass corners.

**6769 Clipper Clock/Barometer Set.**
Board measures 33x18cm.

**6789 Clipper Clock/Barometer/ Thermometer/Hygrometer Set.**
Board measures 18x46cm.



6769



6789

## Clipper Tarnish-free Range – with QuickFix

Brass or chrome-plated brass cases with super-durable tarnish-free coating (see page 4) and QuickFix mounting system. Case diameter 12cm, depth 4cm. Quartz clock movements use 1x AA battery.

**6770 Clipper Clock (QuickFix), Brass.**
**6771 Clipper Barometer (QuickFix), Brass.**
**6752 Clipper Clock (QuickFix), Chrome.**
**6754 Clipper Barometer (QuickFix), Chrome.**
**6773 Replacement Base plate for Clipper Quick Fix Instruments.**



6770



6771



6752



6754

## About QuickFix System

This unique QuickFix system allows the instrument to be locked hard to a bulkhead or wall but removed, in seconds, by hand. The instrument is supplied with a base plate which is screwed to the wall or bulkhead (instructions and drill hole template included). The instrument then simply slots over the base plate and with a gentle twist, is locked on. A reverse twist removes it again. This makes changing batteries easy, removal for storage easy, and avoids the tricky job of not scratching your polished case when screwing the instrument to the wall! QuickFix can also act to seal the instrument mechanism making it waterproof. In underwater tests, clocks fitted with the QuickFix waterproof system worked continuously at a depth of 300mm for more than 3 months. Note: barometers with the QuickFix system do not have the full waterproof system as these instruments need exposure to air pressure in order to operate.







6774



6755

## Fitzroy Tarnish-free Radio Silence Clocks – with QuickFix

Brass or chrome-plated brass cases with super-durable tarnish-free coating (see page 4) and QuickFix mounting system. Case diameter 15cm, depth 4cm. Quartz clock movements use 1x AA battery.

**6774 Fitzroy Radio Silence Clock (QuickFix), Brass.**

**6755 Fitzroy Radio Silence Clock (QuickFix), Chrome.**

Tarnish-free

QuickFix

## Fitzroy Tarnish-free Range – with QuickFix

Brass or chrome-plated brass cases with super-durable tarnish-free coating (see page 4) and QuickFix mounting system. Case diameter 15cm, depth 4cm. Quartz clock movements use 1x AA battery.

**6775 Fitzroy Clock (QuickFix), Brass.**
**6776 Fitzroy Tide Clock (QuickFix), Brass.**
**6777 Fitzroy Barometer (QuickFix), Brass.**
**6779 Fitzroy Clock (QuickFix), Chrome.**
**6756 Fitzroy Tide Clock (QuickFix), Chrome.**
**6757 Fitzroy Barometer (QuickFix), Chrome.**
**6772 Replacement Base plate for Fitzroy Quick Fix Instruments.**

Tarnish-free

QuickFix



6775



Tide Clock

6776



6777



6779



Tide Clock

6756



6757

## About Tide Clocks

Our tide clocks provide an "at-a-glance" indication of tidal state by means of the extra red hand – showing high, low and half tides – which follows the lunar cycle (taking approximately half-an-hour longer to go "round the clock" than the hour hand. A single quartz movement powers all the hands. The faces have Arabic numerals.

Tide Clock



**IMPORTANT:** Because the lunar cycle varies in length day by day, but is constant over a period of 28 days, there will be times when the tide indicator varies by a few minutes ahead or behind the actual tides. This is insignificant for most needs but may need consideration in areas with very strong or double tides, short slack periods etc. Reference to tables is essential for accurate navigation.

## The Brass Instruments for which Nauticalia is Renowned

Our porthole instruments have hefty solid cast brass casings, hinged scuttle clamps, bevelled glass fronts and our trademark brass hands and black subsidiary indicators on light cream faces. The movements are good quality – battery-operated quartz for the clocks and silvered aneroid for the barometers. They are polished to the highest standards, then to protect this high lustre finish, they are ultrasonically cleaned to remove any impurities, spray lacquered then stove baked to harden the lacquer and give maximum protection. They offer excellent quality at medium-range prices. Clocks have bold Roman numerals. Barometers show millibars and inches of mercury. Clocks use 1x AA battery.



### Brass Saloon Barometer

Intended for the main bulkhead of larger yachts, making an eye-catching feature.

**7100 Brass Saloon Barometer, 23cm.** Flange diameter 23cm, dial 14cm, depth 6cm.

### Chrome Bridge Instruments - 18cm Diameter

Chrome plated on heavy cast brass cases, our 'Bridge' instruments measure 18cm across (dial diameter 11cm), with a depth of 6cm, making them particularly suited to a large yacht's bridge or the saloon of a mid-range vessel.

**4844 Chrome Bridge Clock, 18cm.**
**4845 Chrome Bridge Barometer, 18cm.**



4844



4845

### Aluminium Porthole Clock

Similar in design to our famous brass porthole clocks, the case is cast from solid recycled aluminium and polished to a mirror-like finish. The face is white with black roman numerals, black hands, and a red second hand. Quartz movement uses 1x AA battery. Diameter 28cm.

**5228 Aluminium Porthole Clock, 28cm.**



### Chrome Neptune Instruments

Our Neptune instruments have chunky chrome-plated cast brass casings, 12cm in diameter with bevelled glass fronts. Clock uses a quartz movement, requiring 1x AA battery. Barometer has an aneroid movement and shows pressure in inches and millibars.

**5184 Chrome Neptune Barometer.**
**5226 Chrome Neptune Clock.**



5184



5226


6766


6767

## Chatham Tarnish-free Range – with QuickFix

Brass cases with super-durable tarnish-free coating (see page 4) and QuickFix mounting system. Case diameter 18cm, depth 4cm. Quartz clock movements use 1x AA battery.

**6766 Chatham Clock (QuickFix), Brass.**

**6767 Chatham Barometer (QuickFix), Brass.**

**6772 Replacement Base plate for Chatham/ Fitzroy Quick Fix Instruments.**

Tarnish-free

QuickFix

## Schatz Marine Instruments

Schatz, founded in 1881, are the world's leading manufacturer of classic ships' clocks, barometers and associated instruments, and have supplied both commercial and naval fleets for many years. Cases are a combination of machined solid brass castings, pressings and spinnings, heavily stove-lacquered for a lasting finish. The white faces, with black hands and Roman numerals, are viewed through a substantial glass opening port with a brass cleat fixing. This allows access to the movements for battery changeover or adjustment without removal from the bulkhead.

Schatz 1881



## Schatz Royal Range

Top of the range instruments, at home in the saloons and staterooms of the world's superyachts. The intricate workmanship is protected in stove-lacquered, solid brass cases with thick glass ports secured by a brass scuttle clamps.
Dial 13cm, case diameter 18cm, depth 9cm.

**5021 Schatz Royal Ocean Clock.** Sounds out the fascinating "Ship's Bells" watchkeeping system of four hours on four hours off, striking one bell after the first half-hour, two after an hour and so on until the end of watch "eight bells" - time to change crew and start the pattern again. Quartz movement uses 1x AA battery.

**5023 Schatz Royal Ocean Barometer.** Calibrated in millibars and millimetres.


5021


5023

## Schatz Midi Range

Specifically aimed at smaller vessels, where the Royal range would look oversized in relation to other cabin furnishings, but where top quality is still required. Case diameter 16cm, clock face diameter 10cm, depth 7cm.

**5031 Midi Ocean clock, brass, quartz.** Smaller version of Royal Ocean (5021, above). Uses 1x AA battery.

**5033 Midi barometer, brass.** Calibrated in millibars and millimetres.


5031


5033

## About the "Ships' Bells" Watchkeeping System

Timekeeping has always been essential on board ships, both for navigation and to ensure that the crew are adequately rested. Before the invention of reliable clocks, it was kept by striking a bell in conjunction with the cycles of a half-hour sand glass. The day was divided into four hour watches, each further subdivided into eight half hour periods. At the passing of each half hour the bell was struck the corresponding number of times: once after the first, twice after the second, and so on. At the sounding of "eight bells" the watch was completed, the crew changed over and the process would start again. The Schatz Ocean ranges have movements that can chime this pattern.

## Franklin Watch Clock



Displayed in the National Maritime Museum, Greenwich, are the remains of a silver-cased pocket watch - a relic of Sir John Franklin's last expedition (1845-48). It was found in an abandoned boat at Erebus Bay, King William Island, in May 1859, and it is from this that the Franklin desk clock takes its inspiration. An oversized pocket watch, it has a nickel-plated cast aluminium case and a crisp white face with black numerals. Unlike the original, it has a quartz movement so doesn't need winding. Takes 1x AA battery. Stands 24cm tall.





**2104 Franklin Pocket Watch Clock, 24cm.**

## Discovery Telescope Clock

Desk clock powered by a quartz watch movement and housed in an antique brass-effect telescope. Length 17cm, face diameter 5cm. LR44 battery supplied.

**4077 "Discovery" Telescope Clock, 17cm.**





## Greenwich Pocket Watch



Pocket watches were once the only option, but to wear one today lends the owner a most distinctive air. This one, with its aged-effect dial and solid brass case, looks like a 19th century antique, but - unlike the originals - won't break the bank. Also unlike the originals, it has a reliable quartz movement, so you can't use it as an excuse to be late! Case diameter 5cm. Supplied with chain in a velvet bag. LR44 battery supplied.

**2944 Greenwich Meridian Pocket Watch, 5cm.**

## Greenwich 1884 Desk Clock

The 1884 clock acknowledges the year in which Greenwich was internationally recognised as 'The place where time begins'. Cast in brass with an antique finish and faux leather binding around the edge. Quartz movement uses 1x AA battery. Stands 14cm tall.

**2950 Greenwich "1884" Desk Clock, 14cm.**





## Binnacle Clock

The domed brass case is reminiscent of the traditional ship's binnacle, but houses a clock rather than the usual gimballed compass. Quartz movement requires 1x AA battery. Stands 13cm tall.

**2105 Binnacle Clock, 13cm.**

## Desk Set can be Displayed in Four Ways

Cleverly designed so you can display this instrument set in four different poses. The instruments simply twist in their mountings to suit how you want to display them. Clock, thermometer and hygrometer. Clock uses 1x LR44 battery (included). Mahogany-stained block measures 15x10cm.

*Desk set sitting upright*





*Desk set laying flat*

**2900 Desktop Instrument Set.**

## Nauticalia Ships' Bells

Nauticalia has been world renowned for its ships' bells for more than 40 years, supplying a broad range of customers from shipping companies and world navies, sports clubs, pubs, and restaurants, through to pleasure boaters and home owners. Each is manufactured in the finest tradition - sand-cast solid brass turned and polished to an immaculate sheen. We choose not to lacquer our bells as we find even the best lacquers quickly break down in a marine environment, causing them to discolour. We prefer them to age naturally, or you can polish them easily without having any lacquer to remove first.



### Ships' Bells

Made of high quality solid brass these heavyweight sandcast bells have a deep resonant tone and can be heard over long distances. Ideal for marine use, commercial warning bells, workplace/school bells and a wide range of domestic uses.




**5081 4" Brass Ship's Bell.**
**5082 5" Brass Ship's Bell.**
**5083 6" Brass Ship's Bell.**
**5084 7" Brass Ship's Bell.**
**5093 8" Brass Ship's Bell.**



CAN BE PERSONALISED
*Please ask for details*

**Ship's Bell Specifications**

| Reference | Dome dia. at mouth in. | Dome dia. at mouth mm | Height inc. bracket in. | Height inc. bracket mm |
|---|---|---|---|---|
| **5081 Ship's bell,** | **4"** | 100 | 6 | 150 |
| **5082 Ship's bell,** | **5"** | 125 | 9 | 220 |
| **5083 Ship's bell,** | **6"** | 150 | 11 | 280 |
| **5084 Ship's bell,** | **7"** | 176 | 13 | 330 |
| **5093 Ship's bell,** | **8"** | 203 | 16 | 400 |

### Ocean Premium Quality Ship's Bell

This premium bell is made to match or exceed the specifications set by SOLAS and Lloyds Register. To give the required tone and volume, the grade of brass, proportions, thickness and weight all have to be tightly controlled during production, resulting in a bell of exceptional quality and reliability.

**5106 12" Ocean Range Premium Ship's Bell, no bracket.**
**8149 Bracket for 12" Ship's Bell.**



CAN BE PERSONALISED
*Please ask for details*

**Ocean Bell Specifications**

| Reference | Dome dia. at mouth in. | Dome dia. at mouth mm | Height inc. bracket in. | Height inc. bracket mm | Weight kg |
|---|---|---|---|---|---|
| **5106 Ocean bell, 12"** | 305 | | 10 | 254 | 9.0 |

### Chrome-plated Ships' Bell

Cast from solid brass in the same traditional manner as our other bells, this bell is polished to a high finish then plated with a heavy layer of chrome. Not suitable for engraving.

**5323 Ship's Bell, chrome-plated, 6".**



**Chrome Bell Specifications**

| Reference | Dome dia. at mouth in. | Dome dia. at mouth mm | Height inc. bracket in. | Height inc. bracket mm | Weight kg |
|---|---|---|---|---|---|
| **5323 Chrome bell, 6"** | 145 | | 8 | 200 | 1.4 |

## Quayside Bells

This range of bells provides a lighter weight, and thus more economical alternative to our heavyweight range. Still solid brass, and with a loud distinct tone, they come supplied with a cotton bell rope as standard. Not lacquered.

**2946 4" Bell with Lanyard.**
10cm at mouth, weighs 400g.

**2947 5" Bell with Lanyard.**
13cm at mouth, weighs 540g.

**2948 6" Bell with Lanyard.**
15cm at mouth, weighs 820g.









CAN BE PERSONALISED
*Please ask for details*

## Bell Engraving

We specialise in deep-cut engraving on bells. It is usual to engrave in plain capitals with the craft's name, port and date on the side opposite the bracket. We charge a standard fixed rate per letter or number. On 4-5" bells the lettering is approximately 9mm high and on 6-8" bells 2cm high, but this may vary with the length of words.









## Cotton Lanyard *(left)*

**5095 4" Cotton Lanyard.**
For 3-6" bells, length 11cm.

**5096 7" Cotton Lanyard.**
For 5-7" bells, length 22cm.

**5097 11" Cotton Lanyard.**
For 7-12" bells, length 29cm.

## Jute Lanyard *(right)*

**5121 7" Jute Lanyard.**
For 5-7" bells, length 22cm.

**5122 11" Jute Lanyard.**
For 7-12" bells, length 29cm.



5121 5122

## Brass Bells

Our budget range of cast brass bells supplied with wall bracket and cotton bell rope.

**15620 Ship's Bell, 13cm Diameter.**

**15621 Ship's Bell, 10cm Diameter.**

CAN BE PERSONALISED
*Please ask for details*

15620 15621



## Cast Handbells

Made in the same time-honoured way as our famous ships' bells (page 11) – sand-cast, machined smooth, then polished to a bright finish. The turned wooden handles are varnished with a brass fixing nut on top. Engravable for presentation purposes, and officialdom *(we have supplied Town Criers worldwide, from London to Niagara!)*. Not lacquered.

**5089 4½" Brass Handbell.**
Diameter 12cm, height 22cm.

**5090 6" Brass Handbell.**
Diameter 15cm, height 28cm.

CAN BE PERSONALISED
*Please ask for details*



**5089** **5090**




**15631**
*CAPTAIN'S BELL engraving*



**15629**
*Antique finish*

## Hand Bells

Lightweight and economical handbells cast in solid brass with hardwood handles.

**15631 Captain's Bell, 13cm.** Deep cut engraving with black enamel infill.

**15629 Handbell with Antique Finish, 15x5.5cm.**

## Incredible Value Aluminium Bells

Casting these bells from aluminium, rather than brass, offers a significant cost saving. And finishing them with a heavily-lacquered antique brass-effect coating provides an authentic appearance at very keen prices. Not suitable for engraving.




## Wall-mounted Bells

Supplied with cotton bell rope.

**2906 5" Aluminium Bell with Lanyard, antique brass finish.**

**2908 7" Aluminium Bell with Lanyard, antique brass finish.**

**2913 8" Aluminium Bell with Lanyard, antique brass finish.**

## Handbells

With a turned and varnished hardwood handle.

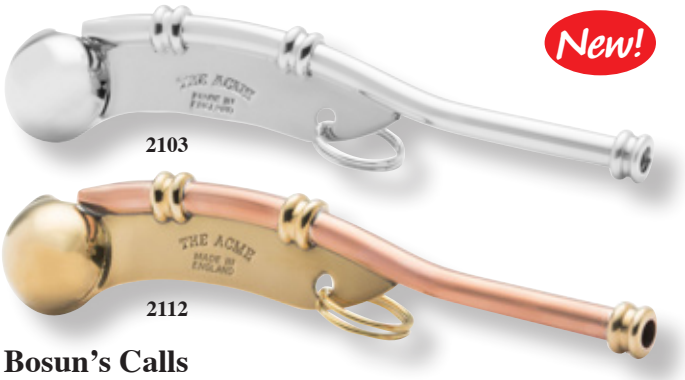
**2902 8" Aluminium Handbell, antique brass finish.**

**2904 6" Aluminium Handbell, antique brass finish.**

**2905 3" Aluminium Handbell, antique brass finish.**



**2902** **2904** **2905**

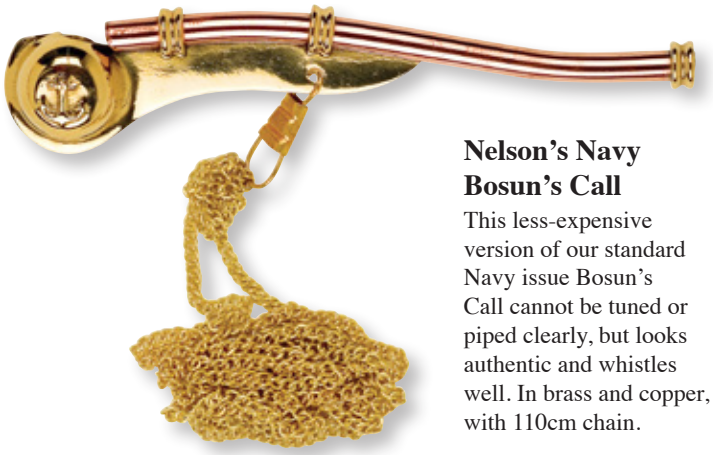



## Bosun's Calls

In the days of sail, orders aboard ship were given on the Call, whose high-pitched whistle could be heard above even the strongest wind. It is seldom used to transmit orders today, but tradition is kept alive by many of the world's navies, who use Calls on ceremonial occasions. Our UK-made Bosun's Calls are supplied gift boxed with full instructions and charts for producing the many official calls.

***New!* 2103 Nickel-plated Bosun's Call.**
***New!* 2112 Brass/Copper Bosun's Call.**





## Nelson's Navy Bosun's Call

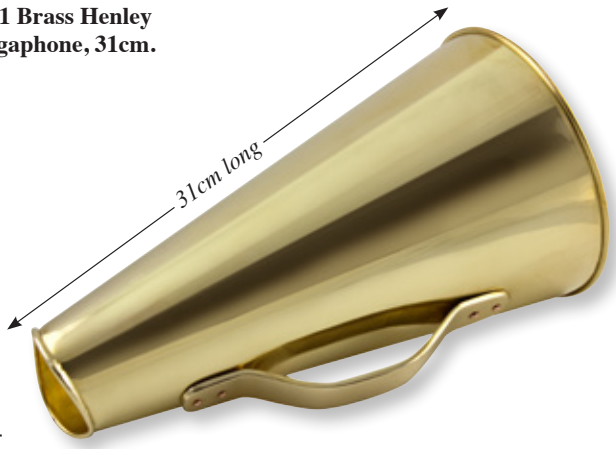
This less-expensive version of our standard Navy issue Bosun's Call cannot be tuned or piped clearly, but looks authentic and whistles well. In brass and copper, with 110cm chain.

**2090 Nelson's Navy Souvenir Bosun's Call.**

## Henley Megaphone

Sir Francis Chichester never sailed without one, nor should any helmsman or sailing master! This gleaming brass loud-hailer's resonance is calculated to give optimum clarity and range, and is popular with rowing clubs. 31cm.

**2141 Brass Henley Megaphone, 31cm.**




## Brass Signal Horns

Horns have been used in shipping and other forms of transport for centuries to attract attention and give warning, particularly in fog. Our traditional mouth horns are solid brass with nickel-plated mouth pieces and strong brass 'reeds' for longevity. Our 'taxi' horns have rubber bulbs and deliver a hefty, and somewhat amusing, 'honk honk', evoking images of classic early cars negotiating crowded city streets and bustling harbours being criss-crossed by a myriad of small craft.




**2134 Brass Taxi Horn, 38cm.**
**2135 Brass Taxi Horn, 45cm.**



*Anchor detail on each.*







**2128 Signal horn with chain, brass, 15cm.**
**2129 Signal horn with chain, brass, 22cm.**
**2130 Signal horn with chain, brass, 29cm.**
*(not shown).*

## Porthole Magnifier



The same high spec porthole case used in our *Anchor* instruments (see page 5) houses a 2.5x magnification glass lens and is mounted on three legs; perfect for reading fine print or intricate details on your nautical charts. Diameter 10cm, height 4cm.

**6745 Porthole Tripod Magnifier, 10cm.**

Tarnish-free

## Domed Tripod Magnifier

Magnifying 2.5 times, it's ideal for reading charts or small print documents. Solid brass frame and legs. The weight of the glass dome means it also makes an excellent paperweight. Presented in a hardwood box with brass corners. There is a glass window in the lid to enable viewing of items contained in the box. Diameter 9cm, height 5cm.



**4622 Domed Magnifier in Box, 9x5cm.**







*The classic dome-shaped lens often attributed to Dr Joseph Crabtree*

## Observatory Magnifier

Believed by some to have been designed in 1804 by the legendary British inventor and polymath Joseph Crabtree, the functional simplicity of his brass-and-glass domed "Observatory" magnifier has never been surpassed or needed modification. Magnifies about 3x. Diameter 5cm, height 3cm.

**7176 Brass Crabtree Observatory Magnifier.**

## Botanist's Magnifier

This style of hand lens, sometimes referred to as a field microscope, was a Victorian-era magnifier which became popular amongst botanists. The two carefully-positioned lenses offer 2x magnification – ideal for close inspection of small items – and its compact size allows it to fit easily into a pocket. Our version features an antique-effect brass case and turned hardwood handle. Measures 12cm long.

***New!* 15653 Botanist's Magnifier.**




## Navigator's Magnifier

This handy chart weight contains a 2.5x magnifier which swings out to help study those important intricate details. Antique brass-effect case measures 6.5cm diameter.



**7294 Navigator's Magnifier, Antique Finish, 6.5cm.**



## Naval-style Magnifying Glass

A traditionally-styled hand lens with an antique bronze effect, and turned hardwood handle with inlaid brass anchor motif. 2.5x magnification. Length 26cm.

**5864 Wooden & Brass Magnifying Glass, 26cm.**

## Darwin Explorer Set

Named in honour of the famous naturalist and explorer, this handy set combines a magnifier, brass telescope (2.5x magnification), and compass, in a handsome glass-topped case measuring 17x12cm.





**2930 Darwin Explorer Set, 17x12cm.**

## Leather-bound Desk Telescope

The barrel and tripod of this telescope are bound in leather for an authentic-looking antique effect. The case is complete with sliding shade and lens cap, and offers 6x magnification and a 25mm object lens. Stands 36cm tall, barrel length 27cm.

**7290 Leather-bound Desk Telescope, 27cm.**





## Tower Magnifier

The Tower Magnifier stands 25cm tall and consists of three magnifying lenses (each approx 1.5x) which you can swing in and out of use independently. Experiment with different combinations of lens numbers and spacing to vary the magnifying power and focal point to suit your subject. It's an intriguing instrument, reminiscent of very early microscopes.

**5229 Tower Magnifier.**







CLEARANCE PRICE

*Clearance!*
**7289 Library Telescope, brass.**

## Elegant Brass Library Telescope

This classic Victorian design brass telescope will look fitting in any library, sitting room or conservatory. Solid brass barrel and fittings with an elegant turned Indian rosewood stand and delicately shaped legs. The legs fold inwards and the barrel can be removed for portability. Twist-barrel focus magnifying 12 times with an object lens of 35mm. Barrel length 52cm fully extended, height 45cm.

## Wooden-case Brass Telescope

New!

This 8x25 telescope comprises three solid brass draws and a hardwood case with a brass lens cap. It extends from a compact 15cm to 37cm fully extended.

***New!* 7162 Wooden-case Brass Telescope.**



## Square-cased Telescope

This three-draw telescope, made from solid antiqued brass and leather bound, is compact enough to fit in a desk drawer or your luggage, and its unusual square case means it won't roll off your chart table even in the stormiest of seas. Closed, it measures 16x5x5cm, extending to 38cm when open. It also offers a 25mm object lens with lens cap to protect against dirt and scratches. 5x magnification.

**4219 Square Case Telescope.**



## Alidade

The Alidade is commonly used in surveying, mapping, navigation, and astronomy; it enables the user to sight distant objects and measure angles with great precision. Our miniature desktop replica of a 19th-century design stands just 10cm tall and is manufactured from solid brass with compass, level, inclinometer, and telescope. Telescope extends to 12cm.

**4218 Antique Finish Brass Alidade, 10cm.**





## Explorer Telescope

Antique-effect solid brass telescope, bound in leather and presented in a wooden box. 10x magnification. Box measures 18x6cm.

**4511 Explorer Telescope with Box, 18cm.**



## Cadet Pocket Telescope

This short-draw telescope is well balanced making it light and easy to use. Its 2.5x magnification makes it great for quick enlargement of things relatively close by, such as ships in a harbour, rather than high magnification, long distance work where a much longer, and thus heavier telescope would be required. Solid brass leather bound telescope presented in a polished wooden box with brass inlay corners and anchor motif. Telescope extends to 18cm, box measures 12x6cm.

**4598 Cadet Telescope x2.5mag in Box.**



# Brass Paperweights & Compasses

## Brass Field Compass

Inspired by instruments used by explorers and surveyors in the late 19th and early 20th century, this replica sighting compass features a dry card compass housed in an antique-effect brass case measuring 5cm diameter.

***New!* 15652 Brass Field Compass, Antique Finish, 5cm.**








## Antique-effect Compass Paperweight

With a case design reminiscent of an antique pocket watch, this compass paperweight features a domed glass top which serves to magnify the needle and markings inside. Diameter 8cm

**7291 Compass, Antique Finish.**





*Reverse side*

## Fob Compass

Dry needle brass compass in a pocket watch-style brass case, supplied in a polished hardwood box. Diameter of compass 5cm, length of chain 46cm, box measures 8x8x4cm.

**4531 Pocket Compass & Chain in Wooden Box.**

*Note: Compasses not suitable for serious navigation*



## Brass Compass in Leather Pouch

Simple, functional, compass in polished brass, with a leather case. Diameter 7cm.

**7281 Brass Compass in Leather Pouch.**



## 'Journey of a Thousand Miles' Compass

This distinctive compass paperweight features a bold glass dome which serves to magnify the compass card inside, and an antique-effect brass case engraved with the phrase *'A Journey of a Thousand Miles Must Begin with a Single Step'*. Diameter 10cm.

**4728 Journey of a Thousand Miles Compass, 10cm.**




## Compass Paperweight

A smaller, budget alternative to our *'Journey of a Thousand Miles…'* compass (above), measuring 6.5cm diameter.

**15643 Desk Compass, 6.5cm.**





## Domed Compass Paperweight

Antique-finished brass case, parchment-style compass card and protective domed glass top together make the perfect chart table compass and paperweight. Diameter 8cm, weight 250g.

**4624 Domed Compass Paperweight.**





## Budget Compass Paperweight

Made from pressed brass sheet, rather than machined solid brass, this compass offers a lighter weight and economical alternative to our famous chunky paperweight *(below)*.

**15640 Compass in Wooden Presentation Box, 9cm.**

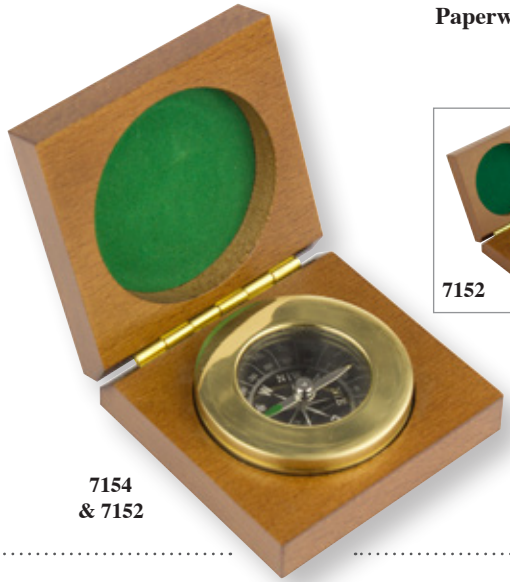
## Compass Paperweight

Made of chunky brass with a simple working dry compass encased in the centre, this is a novel way for an executive to make sure business is pointing in the right direction. Diameter 5cm, weight 129g.

**7152 Wooden Box for Compasses.** Wooden mahogany-stained box with brass engraving plaque.



**7154 Brass Compass Paperweight.**



**7154 & 7152**



**7152**

## RMS Titanic Tribute Compass

This is a fully functional compass cast in solid brass. Engraved in tribute to *RMS Titanic* and includes a photo-etched image on the lid and engraved historical profile inside. Diameter 6cm.




**3801 RMS Titanic Tribute Compass, brass, 6cm.**

## Cutty Sark Tribute Compass

Named in tribute to the world famous clipper *Cutty Sark*, this antique-finish brass compass has an engraving of the globe on the underside centering particularly on Australia, destination for *Cutty Sark* on many occasions to bring wool and other cargo back to England. In December 1883, *Cutty Sark* broke the record for the fastest passage back to London from Australia, she was to break her own record on several occasions subsequently. Diameter 8cm.

**4623 "Cutty Sark" Compass.**




*Reverse*



## Robert Frost Compass with Poem

Brass compass engraved with Robert Frost's poem "*The Road Not Taken*". Supplied with leather case. Diameter 7cm.






**5737 Compass with Robert Frost Poem, 7cm.**

## Victory Souvenirs Keyrings, Magnets and Medals

These coin-shaped keyrings make excellent souvenirs of a visit to Portsmouth and are ideal for retailers in other tourist locations. Gold plated for an enduring shine, and infilled with coloured enamel, each measures 4cm in diameter.

**1345 Victory Nelson Coin Keyring.**

**1346 Victory Nelson Coin Magnet.**

**1347 Victory Nelson Coin Medal.**



## 50-year Calendars

Long-term calendars read the day of the week of any date of their 50 year span.

**4640 Brass 50-year Calendar, 6cm.** Etched.





4640



4707

## Executive 50-year Calendars Set in Marble

**4707 Antique Brass 50-year Calendar, 8cm.** Embossed.

***New Lower Price!* 4639 Brass 50-year Calendar on Marble Base, 8cm.** Etched.




4639

*Please note: Due to current stock levels, some items may begin 3 or 4 years ago.*

## Astrolabe - the little-known GPS of Ancient Times

You may not have heard of an astrolabe, but it remains the most used multipurpose astronomical instrument in history. Earliest examples date from around 200BC, but they rose to prominence in the Middle East and Europe in the Middle Ages. Essentially, it's an elaborate inclinometer-cum-slide rule, used to measure the altitude above the horizon of a celestial body. It can be used to identify stars or planets, to determine local latitude, to survey, and even determine your horoscope. The arrival, in the 17th-18th centuries, of accurate sextants and reliable portable chronometers rendered the astrolabe obsolete for navigation at sea, but it remains a fascinating and little-understood instrument. Our replica, in polished brass, sits in a wooden plinth and stands 18cm tall.

**4948 Astrolabe with Wooden Stand.**



## Greenwich Pocket Sundial & Compass

Inspired by Greenwich, the focal point of world time, this pocket sundial has its gnomon set for latitudes around 51°N, making it accurate when used in Greenwich as well as much of southern England as well as northern Europe, Canada and so on. Made from solid brass, diameter 7cm. Supplied with a velveteen drawstring pouch.

**7282 Brass Greenwich Pocket Sundial, 7cm.**



## Armillary Spheres

The armillary sphere shows the Earth (a central ball) surrounded by rings (*armilla* in Latin) which represent the great circles of the heavens. It was widely used during the 17th and 18th centuries in scientific debates over the relative merits of the competing central Earth and central Sun theories. Our simplified, decorative brass versions make handsome ornaments for the desk or garden. Made from solid machined brass with an antique finish.

**4298 Armillary Sphere Paperweight.**
Height 13cm.

**7298 Antique-style Armillary Sphere.**
Height 30cm. With polished hardwood base.

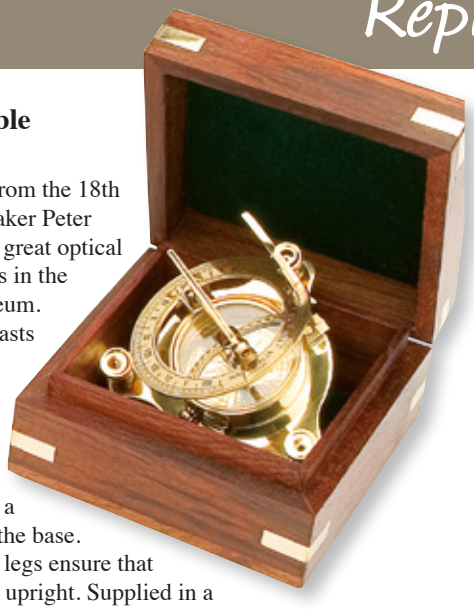


4298



7298

## Miniature Portable Dollond Sundial



Inspired by a design from the 18th century instrument maker Peter Dollond, founder of a great optical empire. The original is in the London Science Museum. The gnomon, which casts the shadow, can be set for latitude on a sliding scale; and the whole instrument oriented in the meridian by means of a magnetic compass in the base. The height-adjustable legs ensure that the instrument is used upright. Supplied in a box measuring 9cm square, 6cm tall.

**4559 Brass Sundial in Box, 9cm.**

## Portable Sundial

Although not intended for accurate timekeeping, our portable sundial is a complete, functional replica of an 18th-century design in which the gnomon, which casts the shadow, can be set for latitude on a sliding scale; and the whole instrument oriented in the meridian by means of a magnetic compass in the base. A spirit level and height-adjustable legs ensure that the instrument is used upright. This enabled the instrument to become a completely portable time-keeping device in an age before the pocket watch. Antique-effect case measures 9cm diameter.





**7295 Portable Sundial with Compass, Antique Finish, 9cm.**

## Brass Pocket Sundial

The gnomon on this pocket sundial is set for latitudes around 50°N, so will be most accurate in the south of England, northern Europe, Canada and so on. At these latitudes this is a functioning time indicator (in as much as sundials ever were!). Diameter 7cm, height 3cm. Chunky solid brass.



**4568 Brass Pocket Sundial, 7cm.**

## Campbell Vernier Sextant



Our replica Sextant is dedicated to Royal Navy Captain John Campbell, who developed the instrument from its predecessor, the Octant, in 1757. Crucially his invention was close in time to that of accurate, portable chronometers, and it was the combination of the two which finally made navigation a science rather than guesswork, saving countless lives. This importance gave rise to the air of mystique which surrounds the instrument and its use, even in today's age of electronic wizardry.

## Campbell Vernier Sextant

Detailing is impressive, with hardwood handle and protective box, six shades of varying intensity, and a powerful telescope. Fully functioning parts but not intended for navigation. Instrument 20x17cm, box 23x23x13cm.

**4562 Campbell's Replica Vernier Sextant, 23cm.**



## Brass Sextant

Although not suitable for navigation, this replica brass sextant is a complete, functional example demonstrating the principles of how these instruments were made and used. Presented in a handsome polished hardwood and brass case measuring 14x8cm.

**15649 Brass Sextant, 14x8cm.**

