

Thermometers etc.

LIST H 1035

ACCURACY



RELIABILITY

HEATH & Co.

(INC. WITH W. F. STANLEY & CO. LTD.)

New Eltham, London, S.E.9.

CATALOGUE OF
THERMOMETERS,
HYDROMETERS,
DENSIMETERS,
METEOROLOGICAL
INSTRUMENTS,
ETC., ETC.



ESTABLISHED 1845.

HEATH & COMPANY

(INC. WITH W. F. STANLEY & Co. LTD.)

NEW ELTHAM, LONDON, S.E.9

Phone: Eltham 2236 (2 lines).
Grams: Polaris, Phone, London.
Cables: Polaris, London.

City Showrooms:
1st Floor, 13 Railway Approach,
London Bridge, London, S.E.1.

SOME
USEFUL TABLES

ARE SHOWN

ON

PAGES 100—107.

Introduction

SINCE our Catalogue T 1030 was issued a few years ago, the demand for Hezzanith **accurate reading Thermometers** has continued to increase so that the larger edition H 1035 has become necessary.

With this issue it has been considered desirable to include not only Mercurial and Spirit types of Thermometers, but Mechanical Dial Types and Electrical and Meteorological Instruments and Densimeters, etc.

As we are often manufacturing special Thermometers to suit individual requirements, and owing to the fact that new types are continually being added to our range of manufactures, it is only possible to include those types which are most popular at the time of going to press. Therefore, should our customers require instruments other than those illustrated or specified in this List, they are asked to kindly send us full particulars so that we may have the pleasure of submitting our quotation. Should there be any doubt as to the most suitable instrument to use for any particular purpose, we should be pleased to offer suggestions or arrange, if possible, for a representative to discuss the matter, on receipt of full details.

* **Repairs** to any make of instruments are promptly and efficiently executed.

We also have special facilities for the production of highest quality Optical, Surveying, and Navigational Instruments, for which also enquiries are invited.

The well known Hezzanith Patent Insulated Interchangeable THERMOMETERS.

8 REASONS WHY Refrigerator Manufacturers, Superintendents, Consulting Engineers, etc., specify **Hezzanith Patent Interchangeable Thermometers**:—

- (1) Spare Tubes and Scales as a complete Unit ready for fitting into the Cases are supplied separately, so that in case of breakage or where a variation in the range of the Thermometer is desired, the Tube and Scale can be replaced without having to stop the machine or remove the case from the pipe.
- (2) Spare Tubes and Scales can be replaced by an inexperienced person, just ordinary care in changing being needed, see illustration, H 1, page 4. The method of changing being:
Unscrew the top Cap of the Case, remove the existing Tube and Scale, and replace by new Tube and Scale.
- (3) The Base has an Insulating Collar which minimises frosting up.
- (4) Large Drain Holes are provided in the lower part of the Case so that any moisture which may get into the Thermometer is at once passed off.
- (5) The Tube and Scale are suspended between a Rubber Cushion at the bottom and Spring at the top, thus making it anti-vibratory, and shock-absorbing.
- (6) The Base of the Thermometer is made from a solid casting, therefore there is no possibility of brine, etc., leaking through, as is sometimes the case with other types.
- (7) It is a strong "made for hard wear" Scientific Instrument.
- (8) It is a Thermometer that can be relied on for **Accuracy**.

**THEREFORE ALWAYS SPECIFY
HEZZANITH RELIABLE THERMOMETERS.**

HEATH & Co., London, S.E.9.

Hezzanith "Noam" Thermometers.

The patent "NOAM" Interchangeable Thermometers embody all the features mentioned on page 2, and in addition have many improvements suggested by long experience.

A Thermometer is a delicate instrument but it often has to be used under comparatively rough conditions. This is the case with all **Refrigerator Thermometers** used aboard ship; and this point has been kept prominently in mind in designing the "NOAM" Thermometer.

It is eminently suited to withstand breakage in transit, being supported at the delicate parts, and spare components comprising the scale and tube on the special "NOAM" plunger, are packed in strong cartons.

Also, having in view the necessary handling and perhaps, cleaning, the scale is solidly supported and yet is free from damage due to expansion or contraction. The same is true of the tube, so that though exposed to sudden changes of temperature, breakage is avoided.

A very useful feature of the "NOAM" is that the tube is open to inspection at all parts when necessary. This is the case not only in the upright model but also in the "Topzero" model where the whole tube, back limb, front limb, and bend can be examined if desired.

The scales of the "NOAM" Thermometer are specially divided with a view to great facility of reading.

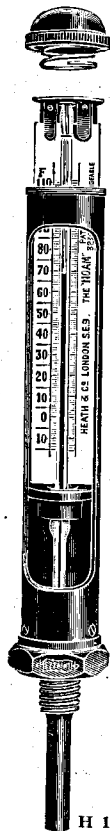
The **Hezzanith** Red Fluid is specially prepared to resist fading and staining, and the large expansion chambers ensure against breakage due to accidental exposures to high temperatures.

The "NOAM" Thermometer Tube and Scale component, H 2 (page 4) is interchangeable with the **Hezzanith** Interchangeable (page 6), the same Brass Case being used for either.

HEZZANITH Patent "NOAM" Interchangeable THERMOMETERS.

Length overall 13"

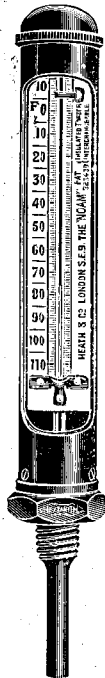
Diameter of body 1 1/2"



H 1.



H 2.



H 9.



H 10.



(Back View)

- H 1** Hezzanith patent "NOAM" Brass Case Interchangeable Anti-Vibratory, shock absorbing, upright reading Thermometer, with Opal Scale and lens front Red Fluid Tube, range minus 15° to plus 110° Fah. (or to order), with 3" tailpiece, base screwed 1/4" gas thread. (British Standard Pipe Thread, 14 T.P.I. top diam. .825".) Code Word, **Habab**
- H 2** Spare Tube and Scale for above, complete on frame ready for inserting in case. Range minus 15° to plus 110° Fah. (or to order). Code Word, **Habbc**
- H 3** Hezzanith patent "NOAM" Brass Case Interchangeable Thermometer as H 1 but with Mercury Tube and Opal Scale, range minus 15° to plus 110° Fah. (or equivalent in Centigrade). Code Word, **Habcd**
- H 4** Spare Mercury Tube and Opal Scale for above complete on frame ready for inserting in Case, range minus 15° to plus 110° Fah. Code Word, **Habde**
- H 5** Hezzanith patent "NOAM" Brass Case Interchangeable Thermometer as H 1 but with Mercury Tube, range 0 to plus 220° Fah. (or equivalent in Centigrade). Code Word, **Habef**
- H 6** Spare Mercury Tube and Opal Scale for above, complete on frame ready for inserting in Case, range 0 to plus 220° Fah. Code Word, **Habfg**
- H 7** Hezzanith patent "NOAM" Brass Case Interchangeable Thermometer as H 1 but Mercury Tube, range 60 to plus 300° Fah. (or equivalent in Centigrade). Code Word, **Habgh**
- H 8** Spare Mercury Tube and Opal Scale for above, complete on frame ready for inserting in Case, range 60 to plus 300° Fah. Code Word, **Habhi**
- H 9** Hezzanith patent "NOAM" Thermometer as H 1 but "Topzero" (low readings at top), with Mercury Tube, range minus 15° to plus 110° Fah. (or to order). Code Word, **Habij**
- H 10** Spare Tube and Scale for above, complete on frame, ready for inserting into Case. Code Word, **Habjk**

HEATH & Co., London, S.E.9.

Hezzanith Patent "Noam" Minor Interchangeable Thermometers.

Length overall 13"

Diameter of body 1"



H 11.



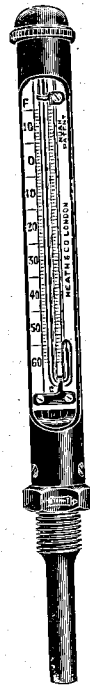
H 12.

H 11 Hezzanith patent "NOAM" Brass Case Interchangeable Thermometer, "H.D." Type as illustrated, upright reading, with Opal Scale and Mercury Tube, range minus 15° to plus 60° Fah. (or equivalent in Centigrade), with 3" tailpiece, base screwed $\frac{1}{2}$ " gas thread (British Standard Pipe Thread, 14 T.P.I., top dia. .825"). Code Word, Habkl

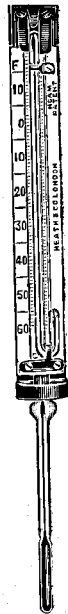
H 12 Spare Tube and Scale for above, complete in metal frame, ready for fitting in case. Range minus 15° to plus 60° Fah. (or equivalent in Centigrade). Code Word, Hablm

H 13 Hezzanith patent "NOAM" Brass Case Interchangeable Thermometer, "H.D." Type as H 11, but "Topzero" (low readings at top), Mercury Tube, reading minus 15° to plus 60° Fah. (or equivalent in Centigrade). Code Word, Habmn

H 14 Spare Tube and Scale for above, complete in metal frame ready for fitting in case. Range minus 15° to plus 60° Fah. (or equivalent in Centigrade). Code Word, Habno



H 13.



H 14.



H 15.



H 16.



H 23.



H 24.

The Hezzanith Patented Insulated Interchangeable Thermometers.

Many Thousands in Use.

The Pipe Thermometer suitable for either Refrigeration or Steam.

For Refrigeration work an Insulated Collar is fitted to minimise frosting.

See special advantages mentioned on page 2.

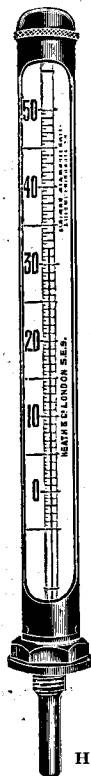
- H 15** Hezzanith patent Brass Case Insulated Interchangeable Anti-Vibratory, shock-absorbing Thermometer, with Opal Scale and lens front Red Fluid Tube. Range minus 15° to plus 110° Fah. (or to order) with 3" tailpiece, base screwed $\frac{1}{2}$ " or $\frac{3}{4}$ " gas thread, $\frac{1}{2}$ " gas thread (British Standard Pipe Thread, 14. T.P.I. top diameter .825"). Code Word, **Habop**
- H 16** Spare Tube and Scale for above complete in metal cap, ready for inserting in case. Range minus 15 to plus 110° Fah. (or to order). Code Word, **Habpq**
- H 17** Hezzanith patent Brass Case Interchangeable Thermometer as H 15 but with Mercury Tube, range minus 15° to plus 110° Fah. (or equivalent in Centigrade). Code Word, **Habqr**
- H 18** Spare Mercury Tube and Scale for above complete in metal cap ready for inserting in case. Range minus 15° to plus 110° Fah. (or equivalent in Centigrade). Code Word, **Habrs**
- H 19** Hezzanith patent Brass Case Interchangeable Thermometer as H 15 but with Mercury Tube range 0° to plus 220° Fah. (or to order). Code Word, **Habst**
- H 20** Spare Mercury Tube and Scale for above complete in metal cap, ready for inserting in case. Range 0° to plus 220° Fah. (or to order). Code Word, **Habtu**
- H 21** Hezzanith patent Brass Case Interchangeable Thermometer as H 15 but with Mercury Tube, range 60° to plus 300° Fah. (or equivalent in Centigrade). Code Word, **Habuv**
- H 22** Spare Mercury Tube and Scale for above complete in metal cap ready for inserting in case. Range 60° to plus 300° Fah. (or equivalent in Centigrade). Code Word, **Habvw**
- H 23** Hezzanith patent Brass Case Interchangeable Thermometer as H 15 but "Topzero" (low readings at top), with Mercury Tube, range minus 15° to plus 110° Fah. Code Word, **Habwx**
- H 24** Spare Mercury "Topzero" Tube and Scale for above complete in metal cap, ready for inserting in case. Range minus 15° to plus 110° Fah. Code Word, **Habxy**

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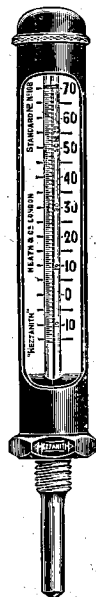
Hezzanith

N.P.L. certified.

Thermometers.



H 25.



H 31.

The HEZZANITH patented
 "Clear-form" Interchangeable
 Standard Thermometer. No. H 25.

Note the very bold clear open
 Tube and Scale.

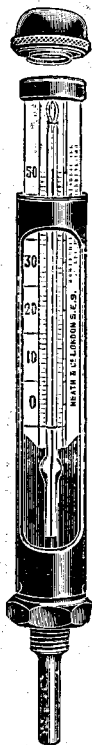


- H 25 Hezzanith patent Brass Case "Clearform" Interchangeable Standard Thermometer, with $14\frac{1}{2}$ " Opal Scale and divided on stem Red Fluid Tube, graduated in $\frac{1}{2}^{\circ}$. Range minus 5° to plus 50° Fah. Base screwed $\frac{1}{2}$ " gas thread (British Standard Pipe Thread 14 T.P.I. top diameter .825") and $3\frac{1}{8}$ " tailpiece complete with N.P.L. Certificate. Code Word, **Habyz**
- H 26 Ditto, ditto, base screwed $\frac{3}{4}$ " gas thread. Code Word, **Habza**
- H 27 Spare Tube and Scale fitted in brass cap ready for inserting in above case. Range minus 5 to plus 50° Fah. Complete with N.P.L. Certificate. Code Word, **Hbcbc**
- H 28 Thermometer as H 25 but Patent "NOAM" type (see page 3), base screwed $\frac{1}{2}$ " gas thread. Range minus 5 to plus 50° Fah., with N.P.L. Certificate. Code Word, **Hbccd**
- H 29 Patent "NOAM" Thermometer as above but base screwed $\frac{3}{4}$ " gas thread, complete with N.P.L. Certificate. Code Word, **Hbcde**
- H 30 Spare Patent "NOAM" Tube and Scale mounted ready for inserting in H 28 or H 29 case. Range minus 5 to plus 50° Fah. Code Word, **Hbcfe**
- H 31 Fixed Type Standard Brass Case Thermometer with 8" Opal Scale, and divided on stem Mercury Tube, graduated in $\frac{1}{2}^{\circ}$ and reading minus 15° to plus 70° Fah. (or to order). Base screwed $\frac{1}{2}$ " gas thread (British Standard Pipe Thread 14 T.P.I. top diameter .825") complete with N.P.L. Certificate. Code Word, **Hbcfg**
- H 32 Ditto, base screwed $\frac{3}{4}$ " gas thread, complete with N.P.L. Certificate. Code Word, **Hbcgh**
- H 33 Fixed Type Standard Thermometer as above but with $14\frac{1}{2}$ " Opal Scale and Mercury Tube, base screwed $\frac{1}{2}$ " gas thread (British Standard Pipe Thread 14. T.P.I. top diameter .825"). Range minus 15 to plus 70° Fah, complete with N.P.L. Certificate. Code Word, **Hbchi**
- H 34 Ditto, base screwed $\frac{3}{4}$ " gas thread. Code Word, **Hbcij**

NOTE.—Standard Thermometers can also be supplied graduated in $1/10$ ths or $1/5$ ths (or other divisions to suit requirements) when the length of Scale and Range of Temperature are suitable.

HEATH & Co., London, S.E.9.

Hezzanith "Clearform" Pipe Thermometers.



H 35.

Heath's Hezzanith patent "Clearform" extra bold Interchangeable Thermometers.

These are the same size and pattern as the patent **Hezzanith** Interchangeable Thermometers (see pages 4 and 6), and can be used interchangeably with them.

When the maximum and minimum temperatures required to be registered are known, it is an advantage to limit the range of scale within these temperatures and thus obtain a scale as open as possible.

For some of the advantages of the patent Interchangeable Thermometers, see pages 2 and 3.

- H 35** Hezzanith patent "Clearform" Interchangeable Brass Case Thermometer with Opal Scale and extra bold Red Fluid "Clearform" Tube, with extra large overflow chamber at top. Range minus 5° to plus 50° Fah. (or to order). Base screwed $\frac{1}{2}$ " or $\frac{3}{4}$ " gas thread. $\frac{1}{2}$ " gas thread (British Standard Pipe Thread, i.e., 14 T.P.I., top diameter .825") sent unless otherwise specified. Code Word, **Hbcjk**
- H 36** Spare Tube and Scale, minus 5° to plus 50° Fah. (or to order), complete in cap ready for inserting in the above case H 35. Code Word, **Hbckl**
- H 37** Thermometer as H 35 but patent "NOAM" type, range minus 5° to plus 50° Fah. Code Word, **Hbcml**
- H 38** Spare "NOAM" Tube and Scale mounted ready for inserting in above case. Code Word, **Hbcmn**

These thermometers are filled with **Hezzanith** Fadeless Red Fluid.

We are always willing to place our many years' experience at the service of our customers in connection with their Thermometer problems.

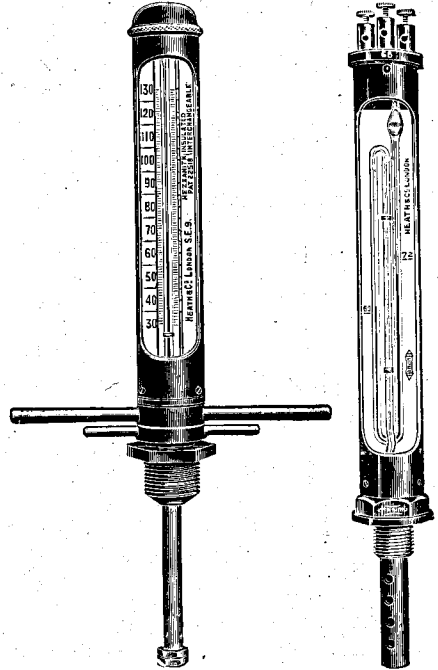
HEATH & Co., London, S.E.9.

Thermometers for Special Purposes.

Thermometers designed and made for special purposes.

The Thermometer illustrated, H 39, shows a special type made for a large Oil Company. It was found that at certain temperatures Paraffin formed round the tailpiece of the thermometer, making an insulation which caused inaccurate readings. The Thermometer illustrated was designed to overcome this difficulty.

Consult us when requiring thermometers of any description.



H 39.

H 43.

- H 39** Hezzanith patent Interchangeable Thermometer, fitted with special plunger for removing insulating formations from tailpiece, with Mercury Tube and Opal Scale, range plus 30° to plus 130° Fah. (or to order). Base screwed 1" gas thread and with 6" steel tailpiece. Code Word, **Hbcno**
- H 40** Spare Tube and Scale (special size), complete in cap ready for inserting in case. Code Word, **Hbcop**
- H 41** Thermometer as H 39, but Hezzanith patent "NOAM" type (see page 3). Range plus 30° to plus 130° Fah. (or to order). Code Word, **Hbcpq**
- H 42** Spare "NOAM" Tube and Scale (special size), mounted complete ready for inserting in above case. Code Word, **Hbcqr**
- H 43** Brass Case Fixed Electrical Contact Type, Sixes Type, Maximum and Minimum Pipe Thermometer, for controlling a temperature between two fixed points, with 3" tailpiece, screwed 1/2" gas thread (British Standard Pipe Thread, i.e., 14 T.P.I., top diam .825") or to order. Code Word, **Hbcrs**

Overhead or Pendant Thermometers.



H 44.

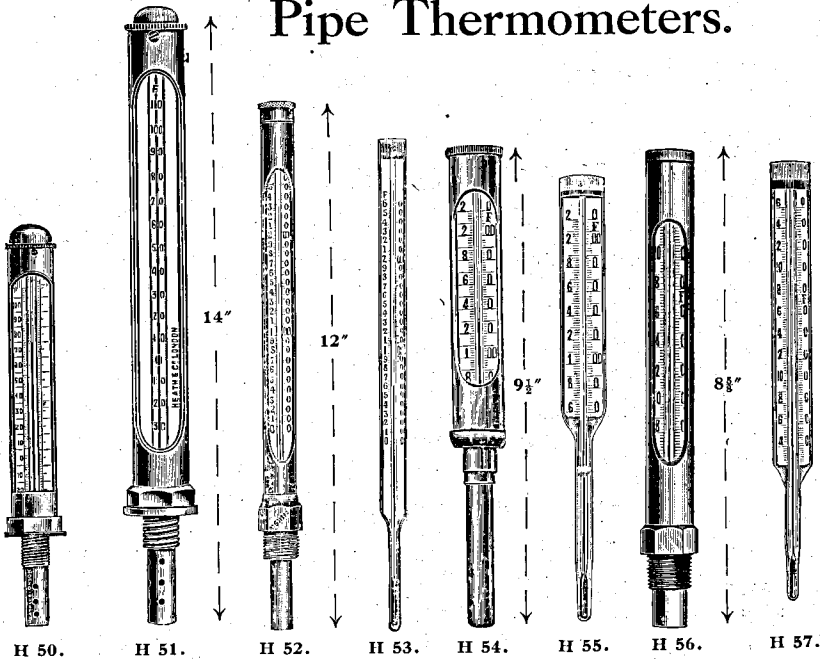


H 46.

The illustration shows the adaptability of the **Hezzanith Interchangeable Thermometer**. There being insufficient room above the pipes, the **Hezzanith** overhead or Pendant "**Topzero**" Thermometer in an inverted position functioned satisfactorily.

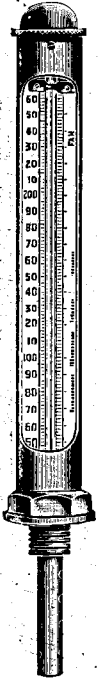
- H 44** Hezzanith patent Brass Case "Overhead" or Pendant, Interchangeable Thermometer, with Opal Scale and Mercury "Topzero" Type Tube with upright figures as illustrated, range minus 15° to plus 85° Fah. (or to order). Base screwed $\frac{1}{2}$ " gas thread (British Standard Pipe Thread, 14 T.P.I., top diameter .825") and 3" tailpiece. Code Word, **Hbcst**
- H 45** Ditto, ditto, but base screwed $\frac{3}{4}$ " gas thread. Code Word, **Hbctu**
- H 46** Spare Tube and Scale, complete in cap ready for inserting into above case. Range minus 15° to plus 85° Fah. (or to order). Code Word, **Hbcuv**
- H 47** Thermometer as H 44 but patent "NOAM" type (see page 3). Code Word, **Hbcvw**
- H 48** Thermometer as above, but base screwed $\frac{3}{4}$ " gas thread. Code Word, **Hbcwx**
- H 49** Spare "NOAM" Tube and Scale, mounted ready for inserting in above cases. Range minus 15° to plus 85° Fah. (or to order). Code Word, **Hbcxy**

Pipe Thermometers.



- H 50** Thermometer, Admiralty Pattern 72. Short Brass Case with revolving Shutter, silvered Metal Scale and Enamelled Mercury Tube, range minus 5° to plus 105° Fah. Base screwed $\frac{1}{2}$ " gas thread. (British Standard Pipe Thread, 14 T.P.I., top diameter .825").
Code Word, **Hbcyz**
- H 51** Thermometer, Admiralty Pattern 72B and C, with revolving shutter, Red Fluid Tube divided on stem to $\frac{1}{2}$ °, and plain white Scale, range minus 30° to plus 110° Fah. Length 14" overall, with $2\frac{1}{4}$ " tailpiece, and base screwed $\frac{1}{2}$ " gas thread. (British Standard Pipe Thread, 14 T.P.I., top diameter .825").
Code Word, **Hbcza**
- H 52** Pasteuriser Thermometer, Brass Case, with insulated Mercury Tube and Opal Scale, range 0° to plus 260° Fah. (or to order). Length 12" overall, with $2\frac{1}{2}$ " tailpiece, base screwed $\frac{1}{2}$ " gas thread. (British Standard Pipe Thread, 14 T.P.I., top diameter .825").
Code Word, **Hbcab**
- H 53** Spare Insulated Tube and hand-painted Opal Scale, range 0° to plus 260° Fah. (or to order), complete ready for inserting into above H 52 case.
Code Word, **Hcdcd**
- H 54** Thermometer, Socket Type, Brass Case with insulated Mercury Tube and Opal Scale, range 60° to plus 220° Fah. (or to order), length $9\frac{1}{2}$ " overall, plain socket fitting, and $3\frac{1}{2}$ " tailpiece. Code Word, **Hcdde**
- H 55** Spare Insulated Tube and Scale, complete, ready for inserting into H 54 case.
Code Word, **Hcdef**
- H 56** Hezzanith Midget Interchangeable Thermometer with insulated Tube and Opal Scale. Range 40° to plus 220° Fah. (or to order), screwed $\frac{1}{2}$ " gas thread, tailpiece $1\frac{3}{8}$ ".
Code Word, **Hcdfg**
- H 57** Spare Insulated Tube and Scale, ready for inserting in Brass Case. Range plus 40° to plus 220° Fah.
Code Word, **Hcdgh**

Pipe Thermometers.



H 58.

- H 58** **Brass Case Thermometer** Fixed Type for Refrigerator Pipes, with lens front Red Fluid tube and 8" Opal Scale, with 3" tailpiece screwed $\frac{1}{4}$ " gas thread. (British Standard Pipe Thread, 14 T.P.I., top diameter .825"). Range minus 15° to plus 110° Fah. (or to order). Code Word, **Hcdhi**
- H 59** Ditto, ditto, with Mercury Tube and Opal Scale, range minus 5° to plus 120° Fah. (or to order). Code Word, **Hcdij**
- H 60** Ditto, ditto, with insulated type Mercury Tube and Opal Scale, range 40° to plus 260° Fah. (or to order). Code Word, **Hcdjk**
- H 61** Ditto, ditto, with double scale, range 40° to plus 260° Fah. and equivalent in Centigrade (or to order). Code Word, **Hcdkl**
- H 62** **Brass Case Thermometer**, similar to H 58 but with Mercury Tube and Silvered Metal Scale, range 60° to plus 300° Fah. (or to order). Code Word, **Hcdlm**
- H 63** Ditto, ditto, with revolving shutter. Code Word, **Hcdmn**

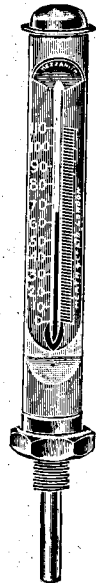
For Mercury Pockets suitable for above, see pages 13 and 16.

- H 64** **Hezzanith Registered Model Boxwood Insulated Thermometer.** Boxwood body, lens front red fluid tube, brass cap and base, screwed $\frac{1}{4}$ " gas thread (British Standard Pipe Thread, 14 T.P.I., top diameter .825"). 3" tailpiece, range minus 15° to plus 110° Fah. (or to order).

Code Word, **Hcdno**

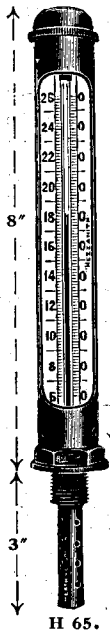
For Hezzanith Patent Interchangeable Thermometers, see pages 4 to 6.

For particulars of some of the advantages of the Interchangeable type, see pages 2 and 3.



H 64.

Thermometers for Heating Systems.



H 65.



H 69.

H 65 Brass Case Hot Water Thermometer with lens front Mercury Tube and 6" Opal Scale, range 60° to 260° Fah., with 3" tailpiece screwed $\frac{1}{2}$ " gas thread (British Standard Pipe Thread, 14 T.P.I., top diameter .825").

Code Word, **Hcdop**

H 66 Ditto, ditto, but with 8" Opal Scale otherwise to above specification. Code Word, **Hcdpq**

H 67 As H 65 but with revolving shutter.

Code Word, **Hcdqr**

H 68 As H 66 but with revolving shutter.

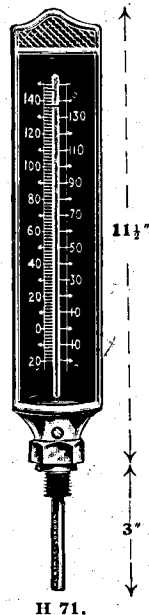
Code Word, **Hcdrs**

H 69 Steel Mercury Pocket suitable for any of above thermometers screwed $\frac{1}{2}$ " gas thread inside and $\frac{3}{4}$ " gas thread outside.

Code Word, **Hcdst**

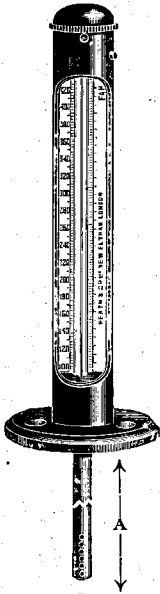
H 70 Steel Mercury Pocket as above, but screwed $\frac{1}{2}$ " gas thread inside, 1" gas thread (British Standard Pipe Thread, 11 T.P.I., top diameter 1.309") outside. Code Word, **Hcdtu**

H 71 Brass Case Thermometer as illustrated, with lens front Mercury Tube, and "V"-shape scale reading minus 20° to plus 140° Fah., with 3" tailpiece, screwed $\frac{1}{2}$ " gas thread (British Standard Pipe Thread, 14 T.P.I., top diameter .825"). Code Word, **Hcduv**



H 71.

Tank and Sterilising Thermometers.



H 72.

H 72 Brass Case Tank or Tank Thermometer, with revolving shutter, with Enamelled Mercury Tube and 8" Silvered Metal Scale, range 100° to 500° Fah. (or to order), with 3½" diameter flange and 24" tailpiece ("A").

Code Word, **Hcdvw**

H 73 Thermometer as H 72 but with Hexagon base instead of flange, and screwed ½" gas thread (British Standard Pipe Thread, 14 T.P.I., top diameter .825"). Code Word, **Hcdwx**

H 74 Brass Case Tank or Steriliser Thermometer, as illustrated, with Mercury Tube and 10" insulated Opal Scale, range 150° to 300° Fah. (or to order), 8" tailpiece ("A"), screwed ½" gas thread (British Standard Pipe Thread, 14 T.P.I., top diameter .825").

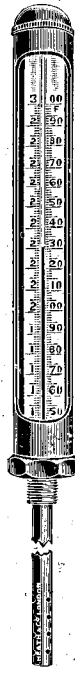
Code Word, **Hcdxy**

H 75 Brass Case Exhaust Type Thermometer, as illustrated, with handle at top, divided and figured on stem Boro Silicate mercury Tube and silvered metal Scale, reading 150° to 550° Cent. (or to order), with 9" tailpiece ("A").

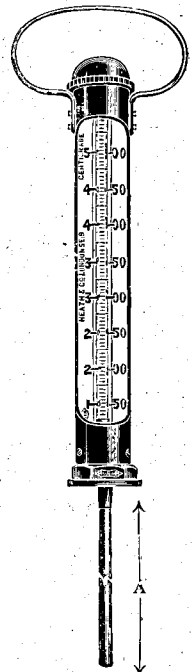
Code Word, **Hcdyz**

H 76 Wood Carrying or Storing Case for H 75 Thermometer.

Code Word, **Hcdza**

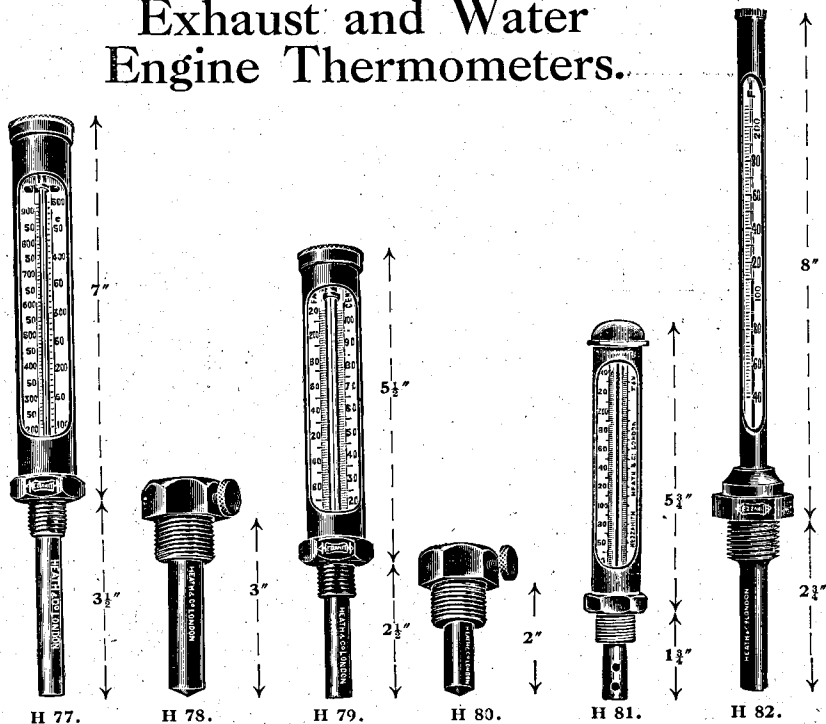


H 74.



H 75.

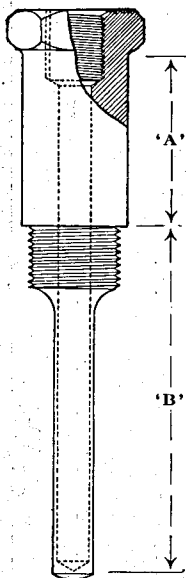
Exhaust and Water Engine Thermometers.



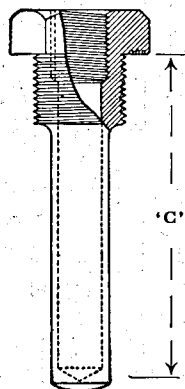
- H 77** Brass Case Engine Room Exhaust Type Thermometer, with Borosilicate Mercury Tube and Silvered Metal Scale, range to 900° Fah. and equivalent in Centigrade. 3½" tailpiece and complete with H 78. Brass Oil Pocket with 3" tailpiece, screwed ¼" gas thread.
Code Word, Hcdab
- H 79** Brass Case Engine Room Water Type Thermometer with Mercury Tube and Silvered Metal Scale. Range to 220° Fah. and equivalent in Centigrade. 2½" tailpiece and complete with H 80 Brass Oil Pocket with 2" tailpiece.
Code Word, Hcdcb
- H 81** Thermometer, short model, Brass Case, with Mercury Tube and Silvered Metal Scale. Range 40° to plus 240° Fah. (or to order), length 7½" overall, base screwed ½" gas thread (British Standard Pipe Thread, 14 T.P.I., top diameter .825"), with 1¾" tailpiece.
Code Word, Hdede
- H 82** Brass Case Water Type Thermometer, as illustrated, with divided and figured on stem Mercury Tube, range 40° to 200° Fah., 2¼" tailpiece, screwed ½" gas thread.
Code Word, Hdeef
- H 83** Spare divided and figured on stem Tubes range 40° to 200° Fah., ready for inserting in H 82 Case.
Code Word, Hddefg

—HEATH & Co., London, S.E.9.—

Thermometer Pockets.



H 84.



H 85.

There are occasions when it is an advantage to fit a pocket to a Machine, Tank or Pipe-line in which to insert a Thermometer.

As for instance:—

- (a) When a Thermometer is to be fitted into a Tank and it is undesirable to empty the tank to remove the Thermometer for any purpose, such as repairs, etc.
- (b) On Machines or Pipe-lines when in order to remove a Thermometer for repairs, etc., would necessitate stopping the machine. The advantage of a pocket in such circumstances is obvious.
- (c) When sensitive readings are required on a Thermometer, a steel pocket with mercury conveys the temperature rapidly to the Thermometer.

Other circumstances when a pocket is an advantage will suggest themselves to the engineer.

Thermometer Pockets can be supplied to suit special requirements. When ordering, please give full particulars, including:—

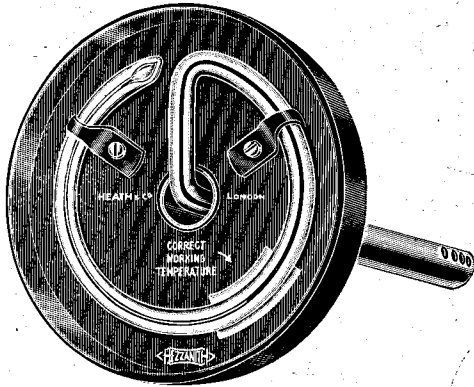
- (a) The inside and outside threads or other fittings.
- (b) Lengths "A" and "B" see illustration H 84.
- (c) Length "C" see illustration H 85.

The standard threads are $\frac{1}{2}$ " gas inside and $\frac{3}{4}$ " or 1" gas thread outside.

$\frac{1}{2}$ "	gas thread =	British Standard Pipe Thread,	14 T.P.I.,	top dia.	.825"
$\frac{3}{4}$ "	"	"	"	"	1.041"
1"	"	"	"	"	1.309"

HEATH & Co., London, S.E.9.

“Working Temperature” Thermometers.



H 86.

In certain circumstances it might not be advisable to show the range on the thermometer scale, but simply a marked position called “Working Temperature” (see illustration), so that the operator has not to worry about working at a pre-determined temperature, but sees that the mercury is kept within the space marked “Working Temperature.”

H 86 3" Dial, brass case Thermometer with Mercury Tube, glass protected front, and 3" tailpiece, not threaded. Range to suit particular requirements. Code Word, **Hdegh**

Longer tailpiece can be supplied at extra cost.

H 87 “Working Temperature” Straight Type Thermometer, as illustrated, specially serviceable for refrigerated stores. Placed inside the cabinet so as to read it through the window. Bold Red Fluid Tube and 10" tailpiece. Code Word, **Hdehi**

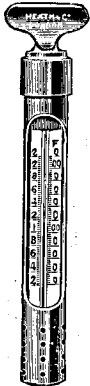
This type of “reading” can be incorporated in most types of thermometers.

Specifications can often be varied to suit requirements.

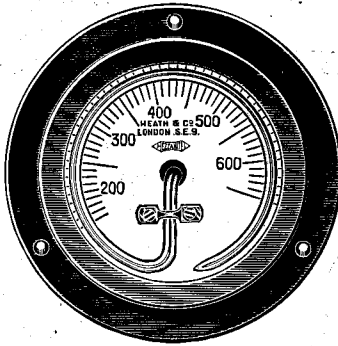
Send particulars and allow us to quote.



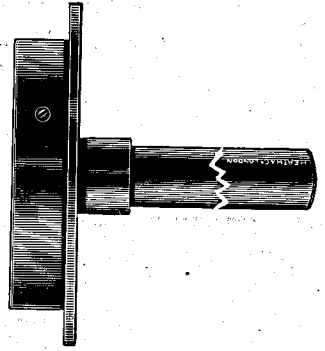
H 87.



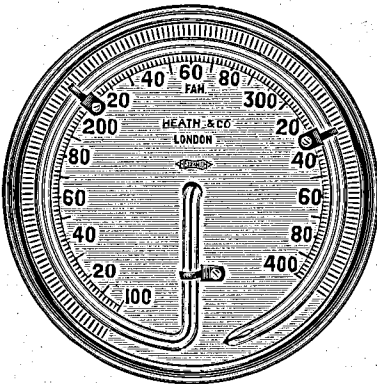
H 88.



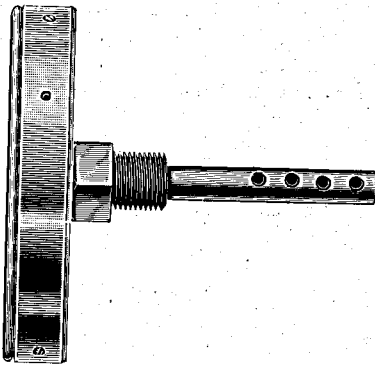
H 90 (front view).



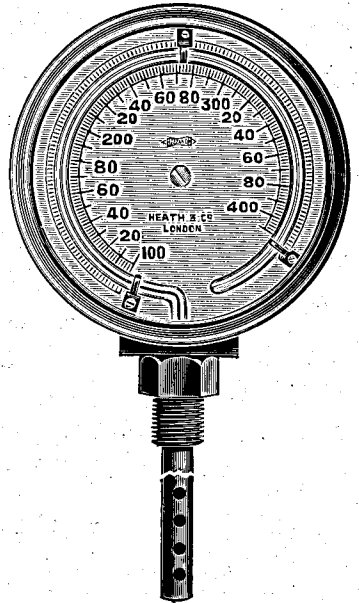
H 90 (side view).



H 94 (front view)



H 94 (side view)



H 102.

HEATH & Co., London, S.E.9.

Oven Thermometers, etc.

- H 88 **Gas Main Thermometer** with insulated Tube and Opal Scale, with Socket fitting, as illustrated, range 20° to plus 220° Fah. (or to order).
Code Word, **Hdeij**
- H 89 **Spare Insulated Tube and Scale**, ready for inserting in H 88 Case, range 20° to plus 220° Fah.
Code Word, **Hdejk**
- H 90 **Oven or Cabinet Thermometer**, with 2½" Silvered Metal dial, flange back brass case, as illustrated, Mercury Tube, range 200° to plus 600° Fah. (or to order) and 3" tailpiece.
Code Word, **Hdekl**
- H 91 **Thermometer** similar to H 90 but with Opal Dial. Code Word, **Hdelm**
- H 92 **Thermometer** similar to H 90 with 3" metal dial. Code Word, **Hdemn**
- H 93 Ditto, with 3" Opal Dial. Code Word, **Hdeno**
- H 94 **Oven or Pipe-line Thermometer** with 3" silvered metal dial, brass case, as illustrated, Mercury Tube, range 100° to 400° Fah. (or to order), with 3" tailpiece, screwed ¼" gas thread. (British Standard Pipe Thread, 14 T.P.I., top diameter .825") Code Word, **Hdeop**
- H 95 Ditto, with 3" Opal Dial. Code Word, **Hdepq**
- H 96 Ditto, with 4" Silvered Metal Dial. Code Word, **Hdeqr**
- H 97 Ditto, with 4" Opal Dial. Code Word, **Hders**
- H 98 Ditto, with 5" Silvered Metal Dial. Code Word, **Hdest**
- H 99 Ditto, with 5" Opal Dial. Code Word, **Hdetu**
- H 100 Ditto, with 6" Silvered Metal Dial. Code Word, **Hdeuv**
- H 101 Ditto, with 6" Opal Dial. Code Word, **Hdevw**
- H 102 **Oven or Pipe-line Thermometer**, Vertical type as illustrated with 3" Silvered Metal Dial, brass case, mercury tube, range 100° to plus 400° Fah. (or to order), with 3" tailpiece, screwed ¼" gas thread.
Code Word, **Hdewx**
- H 103 Ditto, with 3" Opal Dial. Code Word, **Hdexy**
- H 104 Ditto, with 4" Silvered Metal Dial. Code Word, **Hdeyz**
- H 105 Ditto, with 4" Opal Dial. Code Word, **Hdeza**
- H 106 Ditto, with 5" Silvered Metal Dial. Code Word, **Hdeab**
- H 107 Ditto, with 5" Opal Dial. Code Word, **Hdebc**
- H 108 Ditto, with 6" Silvered Metal Dial. Code Word, **Hdecd**
- H 109 Ditto, with 6" Opal Dial. Code Word, **Hdefe**

Longer Tailpieces can be fitted to Thermometers, and are charged accordingly.

Oven Thermometers.

H 110 Iron Case, Brass Face, Right Angle Oven Thermometer as illustrated, with $7\frac{1}{2}$ " tailpiece ("A"), loose clamping nut, Mercury Tube, and Opal Scale. Range 100° to 600° Fah. Right Face Type, *i.e.*, for fixing to right hand side of oven (as illustration).

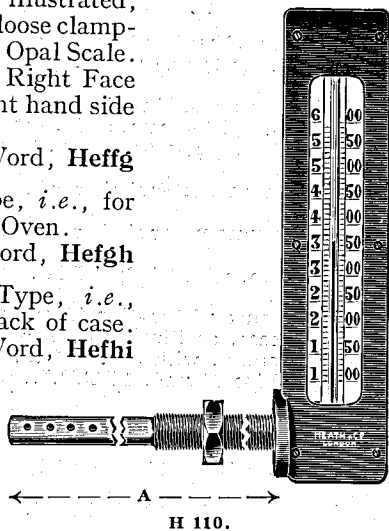
Code Word, **Heffg**

H 111 Ditto, ditto, Left Face Type, *i.e.*, for fixing to left hand side of Oven.

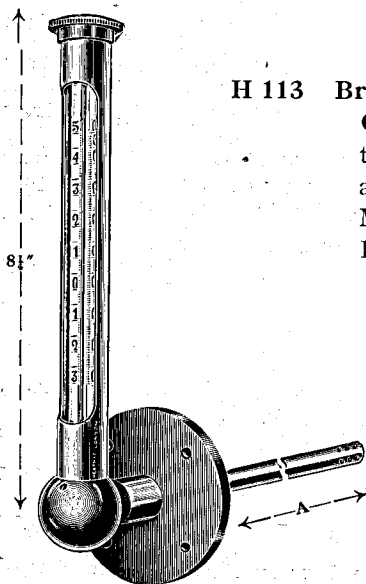
Code Word, **Hefgh**

H 112 Ditto, ditto, Front Face Type, *i.e.*, tailpiece projecting from back of case.

Code Word, **Hefhi**



H 110.

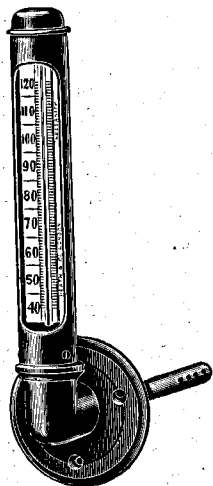


H 113.

H 113 Brass Case, Right Angle Insulated Type, Oven or Tank Thermometer, as illustrated, with revolving shutter, 3" Flange and 10" Tailpiece ("A"), Insulated Mercury Tube and Opal Scale. Range 100° to 700° Fah. Code Word, **Hefij**

Longer Tailpieces can be fitted to these Thermometers and are charged accordingly.

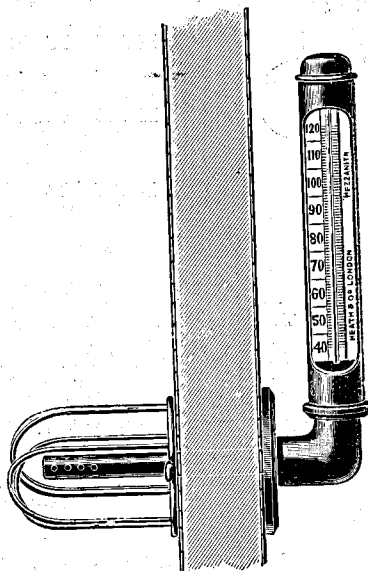
Tank and Chamber Thermometers.



H 114.

- H 114** Tank or Chamber Thermometer, right angle type, with brass case, Flange, as illustrated, Mercury Tube and Opal Scale, Range minus 15° to plus 110° Fah. (or to order) with 3" tailpiece. Code Word, **Hefjk**
- H 115** Thermometer as above, with lens front Red Fluid Tube and Opal Scale, range minus 15° to plus 110° Fah. Code Word, **Hefkl**
- H 116** Thermometer as H 114 with Mercury Tube and Opal Scale, reading 40° to 220° Fah. (or to order) with 3" tailpiece. Code Word, **Heflm**
- H 117** Thermometer as above (H 116) with Silvered Metal Scale. Code Word, **Hefmn**

- H 118** Thermometer as H 114 but heavier type Case and Flange. Code Word, **Hefno**
- H 119** Thermometer as H 115 but heavier type Case and Flange. Code Word, **Hefop**
- H 120** Thermometer as H 116 but heavier type Case and Flange. Code Word, **Hefpq**
- H 121** Thermometer as H 117 but heavier type Case and Flange. Code Word, **Hefqr**



H 114a.

Thermometers can also be supplied for Right or Left Hand projection at the same price. H 114a illustrates a Right Face type. (Tailpiece is on Left Hand side of Thermometer.) This is particularly serviceable when it is necessary to insert a Thermometer in one side of a Tank or Chamber instead of at the front. We do not recommend this Brass Case Type Thermometer for Low Temperature. The wood case type shown on page 23 is more suitable.

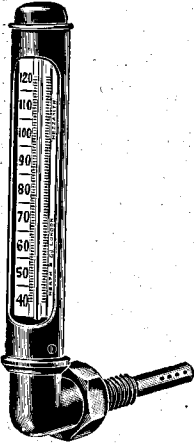
Wire Guard for protecting Thermometer Bulb extra, as shown on illustration H 114a.

Longer Tailpiece can be supplied, and is charged extra.

For Cold Stores we strongly recommend types shown on page 23.

HEATH & Co., London, S.E.9.

Angle Thermometers.



H 122.

H 122 Pipe Thermometer, Right Angle Type, Brass Case with Lens front, Red Fluid Tube and Opal Scale, range minus 15° to plus 110° Fah. (or to order). Base screwed $\frac{1}{2}$ " gas thread (British Standard Pipe Thread, 14 T.P.I., top diameter .825") with 3" tailpiece. Code Word, Hefrs

H 123 Ditto, ditto, with Mercury Tube. Code Word, Hefst

H 124 Ditto, ditto, with Silvered Metal Scale and Mercury Tube, range plus 40° to plus 250° Fah. (or to order). Code Word, Heftu

H 125 Right Angle Thermometer as H 122 above, but heavier type Case. Code Word, Hefuv

H 126 Thermometer as H 123 but heavier type Case. Code Word, Hefvw

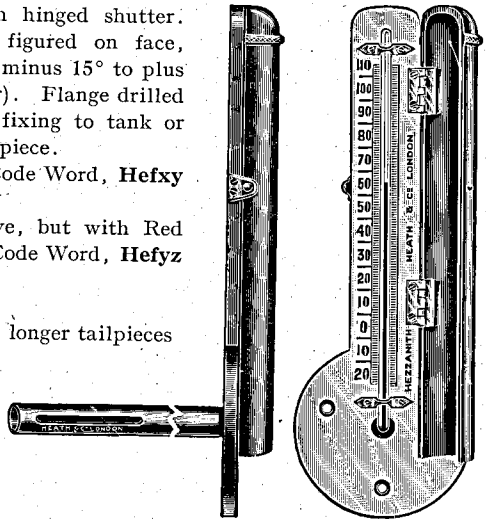
H 127 Thermometer as H 124 but heavier type Case. Code Word, Hefwx

H 128 Tank or Chamber Thermometer, Brass Case, flat face, with hinged shutter. Scale engraved and figured on face, Mercury Tube, range minus 15° to plus 110° Fah. (or to order). Flange drilled with three holes for fixing to tank or chamber, with 3" tailpiece.

Code Word, Hefxy

H 129 Thermometer as above, but with Red Fluid Tube. Code Word, Hefyz

Thermometers can be fitted with longer tailpieces and are charged accordingly.

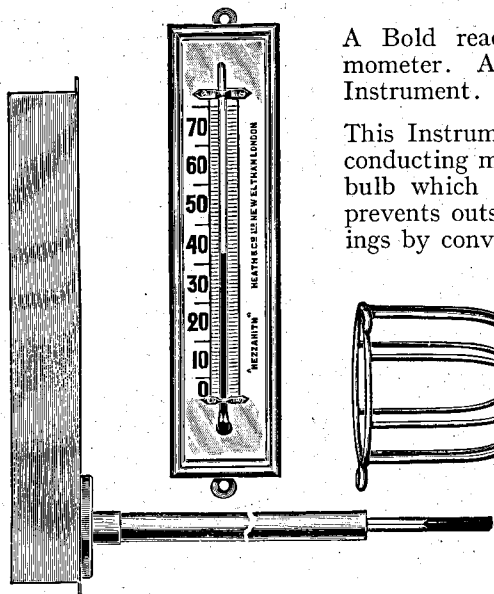


H 128.

Chamber or Cabinet Thermometer.

A Bold reading Cold Chamber Thermometer. A very popular and reliable Instrument.

This Instrument is designed so that all conducting material is removed from the bulb which is well insulated and thus prevents outside heat affecting the readings by convection or conduction.



H 130.

WIRE GUARD
H 130a.

H 130 Cold Chamber Thermometer, Right Angle Type, Oak Case with glass front, Mercury Tube and bold Opal Scale. Range minus 5° to plus 70° Fah. (or to order), with 6" tailpiece, lug at top and bottom of case for fixing to outside of wall or insulation, complete with wire guard for protecting the bulb.

Code Word, **Hefza**

H 131 Ditto, but with lens front Red Fluid Tube.

Code Word, **Hefab**

H 132 Ditto, with Maximum and Minimum Mercury Tube and Opal Scale, complete with Magnet.

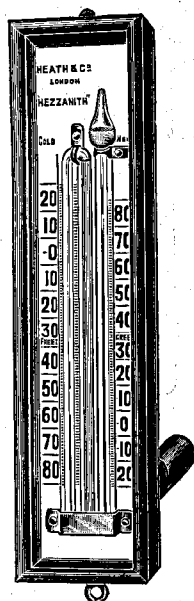
Code Word, **Hefbc**

FOR QUICK READING WE ADVISE THIS TYPE OF THERMOMETER, WITH MERCURY TUBE.

When ordering Right Angle Chamber Thermometers, please give full details. When stating length of tail piece, allowance should be made for at least 3" or 4" protusion into Chamber.

If insulation is 6" thick the tailpiece should be ordered at least 9" or 10" long.

This type of Thermometer can also be made for Right or Left hand protection if required.



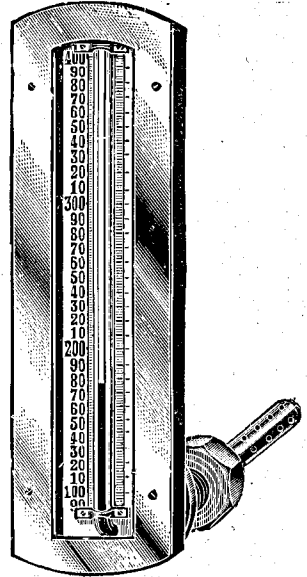
H 132.

HEATH & Co., London, S.E.9.

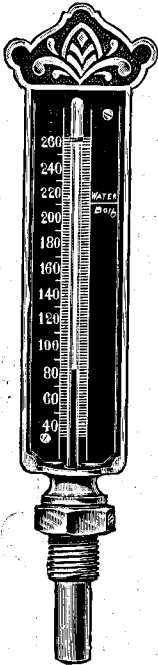
Oven and Boiler Thermometers.

H 133 Oven Thermometer, Iron Case, approx. 9" x 3". Brass Face with glass over front, Mercury Tube, and Opal Scale. Range 100° to plus 400° Fah. (or to order). Base screwed $\frac{1}{2}$ " gas thread. (British Standard Pipe Thread, 14 T.P.I., top diameter .825".) With locking nut and $2\frac{1}{4}$ " tailpiece. Code Word, **Hefcd**

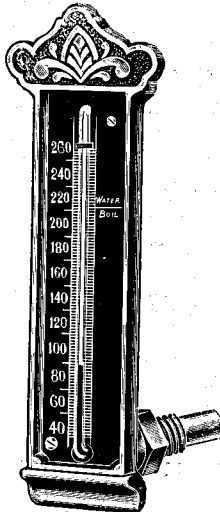
H 134 Ditto, ditto, with base screwed $\frac{3}{4}$ " gas thread. Code Word, **Hefde**



H 133



H 135

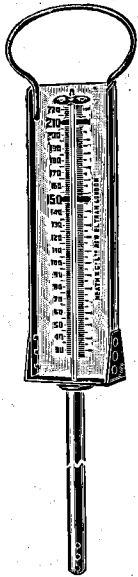


H 136

H 135 Hot Water Thermometer, Straight Model, Nickel Plated Iron Case, Mercury Tube and Scale. Range 40° to plus 260° Fah. Base screwed $\frac{1}{2}$ " gas thread (British Standard Pipe Thread, 14 T.P.I., top diam. .825") and $2\frac{1}{8}$ " tailpiece. Code Word, **Hfgfg**

H 136 Hot Water Thermometer as above but right angle type as illustrated. Base screwed $\frac{1}{2}$ " gas thread (British Standard Pipe Thread, 14 T.P.I., top diam. .825") and with $2\frac{1}{8}$ " tailpiece. Code Word, **Hfggh**

Sterilizer Thermometers.



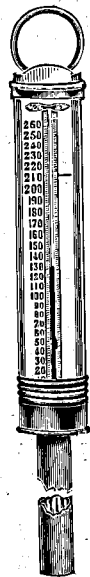
H 137

H 137 Sterilizer Thermometer, Brass Frame, Bent-up side, with stout wire handle, 10" Scale, Mercury Tube. Range 20° to plus 220° Fah. (or to order). Figures 150° and 210° bold and filled in with red, also bold red line at these points, with 15" tailpiece. Code Word, **Hfghi**

H 138 Ditto, but with Threaded Base and Lock Nut, without handle, with heavily plated tailpiece. Code Word, **Hfgij**

H 139 Sterilizer Thermometer, cheaper form, Copper Case, with Mercury Tube and Silvered Metal Scale. Range 20° to plus 260° Fah. (or to order), and with 23" Brass tailpiece. Code Word, **Hfgjk**

H 140 Ditto, ditto, but with tin case instead of copper. Code Word, **Hfgkl**



H 139

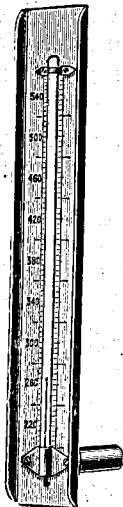
Specifications can often be varied to suit requirements.

Send particulars and allow us to quote.

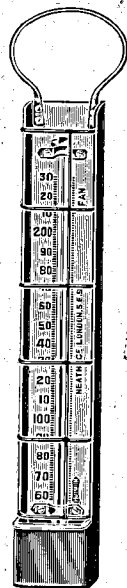
Confectioners and Dipping Thermometers.



H 141



H 145



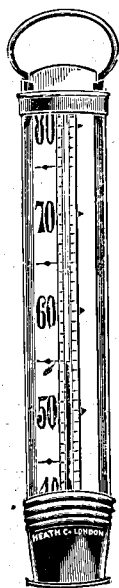
H 148

- H 141 Confectioner's Thermometer, 8" Brass, Bent-up side, with stout wire handle. Mercury Tube. Range 40° to plus 340° Fah. (or to order). Code Word, **Hfglm**
- H 142 10" Ditto ditto. Code Word, **Hfgmn**
- H 143 12" Ditto ditto. Code Word, **Hfgno**
- H 144 14" Ditto ditto. Code Word, **Hfgop**
- H 145 8" Ditto with Boiling Indications, viz., Syrup, Hardball, Small Crack, etc., on side of scale. Code Word, **Hfgpq**
- H 146 8" Oven Thermometer, Bent-up side, Right Angle Type, Mercury Tube. Range up to 340° Fah. (or to order), with 3" Tailpiece. Code Word, **Hfgqr**
- H 147 10" Ditto ditto. Code Word, **Hfgrs**
- H 148 14" Heavy Gauge Brass, Bent-up side, Dipping Thermometer, with bucket at bottom, with 2 drain holes and wire guard over front, riveted handle and bold "T" top Mercury Tube, reading 60° to plus 230° Fah. (or to order). Metal work tinned all over. Code Word, **Hfgst**

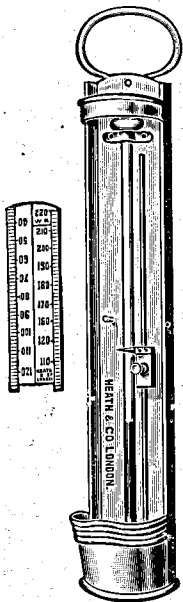
Longer tailpieces can be fitted to H 146 and H 147 and are charged accordingly.

HEATH & Co., London, S.E.9.

Cooling & Dipping Thermometers.



H 149



H 152



H 153

The H 152 Blind Scale Thermometer shown is specially suitable when it is desirable to keep the working temperature of a vat strictly private. The Ivorine Scale is placed on, and the correct temperature at which the vat is to be worked is set by the pointer and the Ivory Scale removed. Thus the temperature is not known by the operator.

- H 149 10" Cooling Thermometer, Heavy Copper Case with riveted handle and Porcelain Scale with very bold figuring, bold Mercury Tube. Range 40° to plus 80° Fah. (or to order). Code Word, **Hfgtu**
- H 150 12" Ditto, ditto, ditto. Code Word, **Hfguv**
- H 151 14" Ditto, ditto, ditto. Code Word, **Hfgvw**
- H 152 Blind Scale Thermometer, in Heavy Copper Case with riveted handle, heavy Silvered Metal Scale with sliding pointer and Ivorine Scale for Inspector or Setter. Bold Lens Front Mercury "T" top tube. Range 40° to plus 230° Fah. (or to order). Code Word, **Hfgwx**
- H 153 Dipping Thermometer, Oak handle with Stout Copper Scoop Case and heavy Silvered Metal Scale and Bold Mercury Tube. Range 30° to plus 250° Fah. (or to order), with ring at top. Overall length approximately 2' 8". Code Word, **Hfgxy**

Dairy Thermometers, etc.



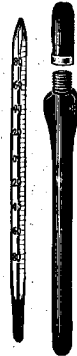
H 154.



H 155.



H 156.



H 157.

H 154 Dairy Thermometer, Porcelain Handle and Frame, with Mercury Tube. Range 30° to plus 150° Fah.

Code Word, **Hfgyz**

H 155 Dairy Thermometer, Wood Handle and Frame, with Glass Insulated Tube and Paper Scale. Range 0° to plus 150° Fah. (Foreign manufacture, which we do not guarantee.)

Code Word, **Hfgza**

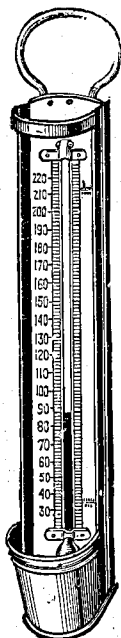
H 156 10" Dairy Thermometer, Floating Glass Insulated Model, with Paper Scale and Mercury Tube. Range 40° to plus 240° Fah.

Code Word, **Hfgab**

H 157 Admiralty Pattern Thermometer, all Glass, divided and figured on stem every two degrees, minus 80° to plus 80° Fah. (or to order). Red Fluid filled. Complete in screw-top Ebony Case approximately $6\frac{1}{2}$ " long. Code Word, **Hfgbc**

HEATH & Co., London, S.E.9.

Brewers & Hot Bed Thermometers.



H 158.



H 161.

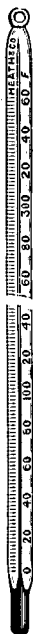


H 165.

- H 158 10" **Brewers' Thermometer**, in stout Copper Scoop Case with riveted handle, bold "T" top Mercury Tube, and heavy Metal Scale. Range 30° to plus 220° Fah. (or to order). Code Word, **Hfgcd**
- H 159 12" Ditto, ditto, ditto. Code Word, **Hfgde**
- H 160 14" Ditto, ditto, ditto. Code Word, **Hfgef**
- H 161 **Hot Bed Thermometer**, Copper Case, with stout wire handle, Mercury Tube, and Silvered Metal Scale. Range 30° to plus 130° Fah. (or to order), with 30" Brass tailpiece. Code Word, **Hghgh**
- H 162 Ditto, ditto, ditto, with 36" tailpiece. Code Word, **Hghhi**
- H 163 Ditto, ditto, ditto, with 42" tailpiece. Code Word, **Hghij**
- H 164 Ditto, ditto, ditto, with 48" tailpiece. Code Word, **Hghjk**
- H 165 **Hot Bed Thermometer**, 10" Copper Case, with wire handle, Mercury Tube and Silvered Metal Scale. Range minus 30° to plus 130° Fah. (or to order), with 8" Brass tailpiece, and tapered shoe. Code Word, **Hghkl**
- H 166 Ditto, ditto, ditto, with 14" tailpiece. Code Word, **Hghlm**

Chemical or Stem Thermometers.

Chemical or Stem Thermometers, divided and figured on stem in 2° except where range allows for single degrees. Complete in cardboard cases.



H 167—
H 183.

H 167	6" Range 0° to plus 200° Fah.	Code Word, Hghmn
H 168	8" Range 0° to plus 150° Fah.	Code Word, Hghno
H 169	8" Range 0° to plus 200° Fah.	Code Word, Hghop
H 170	8" Range 0° to plus 250° Fah.	Code Word, Hghpq
H 171	8" Range 0° to plus 300° Fah.	Code Word, Hghqr
H 172	10" Range 0° to plus 220° Fah.	Code Word, Hghrs
H 173	10" Range 0° to plus 300° Fah.	Code Word, Hghst
H 174	10" Range 0° to plus 400° Fah.	Code Word, Hghtu
H 175	12" Range 0° to plus 260° Fah.	Code Word, Hghuv
H 176	12" Range 0° to plus 300° Fah.	Code Word, Hghvw
H 177	12" Range 0° to plus 360° Fah.	Code Word, Hghwx
H 178	12" Range 0° to plus 400° Fah.	Code Word, Hghxy
H 179	12" Range 0° to plus 460° Fah.	Code Word, Hghyz
H 180	12" Range 0° to plus 560° Fah.	Code Word, Hghza
H 181	12" Range 0° to plus 600° Fah.	Code Word, Hghab
H 182	14" Range 0° to plus 800° Fah.	Code Word, Hghbc
H 183	16" Range 100° to plus $1,000^{\circ}$ Fah.	Code Word, Hghcd

The above ranges and sizes represent the usual types stocked, but other ranges and sizes can be made to suit requirements.

Chemical thermometers are usually graduated in single degrees or every 2° . They can also be graduated in $\frac{1}{2}^{\circ}$ — $\frac{1}{5}^{\circ}$ — $\frac{1}{10}^{\circ}$ — $\frac{1}{20}^{\circ}$ if required, the prices varying according to graduations and range.

Please give full particulars of your requirements and allow us to quote.

Chemical Thermometers are also supplied with the dividing and figuring commencing 3" or 4" from the bottom of the bulb—at an extra charge.

Thermometers can be made up specially to order and supplied with N.P.L. Certificates. When ordering Chemical Thermometers for special purposes, and when great accuracy is required, please state at what immersion they will be used.

HEATH & Co., London, S.E.9.

Sheathed Thermometers.

Chemical or Stem Thermometers as H 167—H 183, shown on page 30, but fitted in Brass Sheaths.

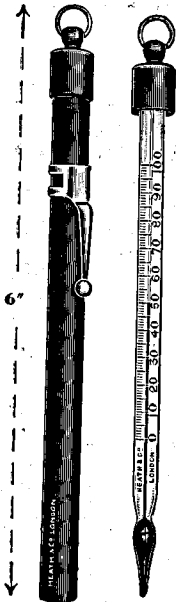


H 184—
H 199.

H 184	6" Range 0° to plus 200° Fah.	Code Word, Hghde
H 185	8" Range 0° to plus 150° Fah.	Code Word, Hghef
H 186	8" Range 0° to plus 200° Fah.	Code Word, Hghfg
H 187	8" Range 0° to plus 250° Fah.	Code Word, Hhihi
H 188	8" Range 0° to plus 300° Fah.	Code Word, Hhiij
H 189	10" Range 0° to plus 220° Fah.	Code Word, Hhijk
H 190	10" Range 0° to plus 300° Fah.	Code Word, Hhikl
H 191	10" Range 0° to plus 400° Fah.	Code Word, Hhilm
H 129	12" Range 0° to plus 260° Fah.	Code Word, Hhimn
H 193	12" Range 0° to plus 300° Fah.	Code Word, Hhino
H 194	12" Range 0° to plus 360° Fah.	Code Word, Hhiop
H 195	12" Range 0° to plus 400° Fah.	Code Word, Hhipq
H 196	12" Range 0° to plus 460° Fah.	Code Word, Hhiqr
H 197	12" Range 0° to plus 560° Fah.	Code Word, Hhirs
H 198	12" Range 0° to plus 600° Fah.	Code Word, Hhist
H 199	14" Range 0° to plus 800° Fah.	Code Word, Hhitu
H 200	16" Range 100° to plus 1,000° Fah.	Code Word, Hhiuv

The above can be supplied with Nickel Plated or Steel Sheaths at extra cost.

Fruit, Meat or Cheese Thermometers.

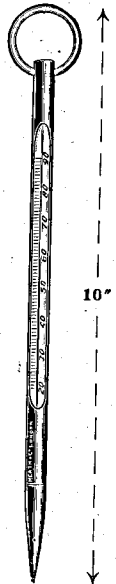


H 203.

- H 201** Fountain Pen Type Brass Case Thermometer, as illustrated, with pocket clip and Red Fluid divided and figured on stem Chemical Tube, spear point. Range 0° to plus 100° Fah. Code Word, **Hhivw**
- H 202** Spare divided on stem Red Fluid Tube to suit above. Range 0° to plus 100° Fah. Code Word, **Hhiwx**
- H 203** Thermometer as H 201, lighter model, with aluminium Case. Range 0° to plus 100° Fah. (or to order). Code Word, **Hhixy**
- H 204** Spare divided on stem Red Fluid Tube to suit above Thermometer. Code Word, **Hhiyz**

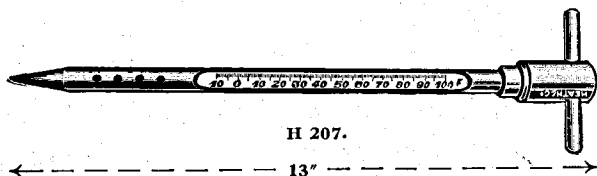
These specifications can be varied to suit special requirements.

- H 205** Spear Point Meat or Fruit Testing Thermometers, Ring top, Nickel Plated Brass Case with 'Staybright' Steel spear point, Mercury, divided and figured on stem Chemical Tube. Range plus 20° to plus 90° Fah. Code Word, **Hhiza**
- H 206** Spare Divided and figured on Stem Mercury Tube, to suit above. Range plus 20° to plus 90° Fah. Code Word, **Hhiab**



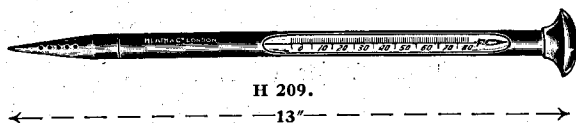
H 205.

Fruit, Meat or Cheese Thermometers.



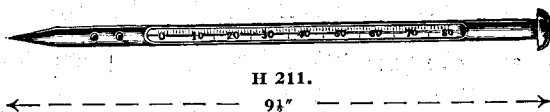
H 207. Thermometer, Spear or Stab Model, White Metal case, as illustrated, with divided and figured on stem Mercury Tube. Range minus 10° to plus 100° Fah. Code Word, Hh1bc

H 208 Spare Divided and Figured on Stem Mercury Tube, to suit above. Range minus 10° to plus 100° Fah. Code Word, Hh1cd



H 209 Stab Thermometer, as illustrated, Nickel-plated Case, with large knob at top and divided and figured on stem Mercury Tube. Range minus 5° to plus 100° Fah. Code Word, Hh1de

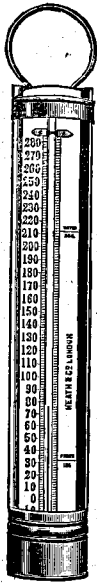
H 210 Spare Divided and Figured on Stem Mercury Tube, to suit above. Range minus 5° to plus 100° Fah. Code Word, Hh1ef



H 211 Thermometer, Spear or Stab Model, White Metal as illustrated, with divided and figured on stem Mercury Tube. Range minus 10° to plus 100° Fah. (or to order). Code Word, Hh1fg

H 212 Spare Divided and Figured on Stem Mercury Tube, to suit above. Range minus 10° to plus 100° Fah. Code Word, Hh1gh

Engine Room Thermometers.



H213—H224

Thermometers for all purposes.

Our experience covering many years
is at the service of our customers.

Deck or Engine Room Thermometer, in metal case, Silvered Metal Scale and Mercury Tube. Range minus 30° to plus 130° Fah., or 0° to plus 250° Fah. (or equivalent in Centigrade) Other ranges can be supplied to order and are charged accordingly.

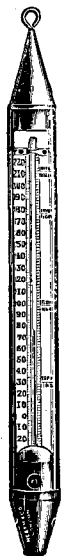
	8"	10"	12"	14"
In Japanned Case ...	H 213	H 214	H 215	H 216
Code Word:	Hijij	Hijjk	Hijkl	Hijlm
In Copper Case ...	H 217	H 218	H 219	H 220
Code Word,	Hijmn	Hijno	Hijop	Hijpq

Thermometers as above but with heavier cases and Riveted Handles.

	8"	10"	12"	14"
In Copper Case ...	H 221	H 222	H 223	H 224
Code Word,	Hijqr	Hijrs	Hijst	Hijtu

The above Thermometers can be supplied with double Scale, viz., Fah. on Left Hand side of Tube, and Centigrade on Right Hand side of Tube, at an extra charge.

Hold Thermometers.



H 225—H232

H233—H240

H 241

H 242

H 225—H 232 Refrigerator Hold Thermometer, Metal Case, Cone Ends as illustrated, with Silvered Metal Scale and Mercury Tube. Range minus 30° to plus 130° Fah. or 0° to plus 260° Fah. (or equivalent in Centigrade).

		8"	10"	12"	14"
If in Japanned Case	...	H 225	H 226	H 227	H 228
Code Word:—		Hijuv	Hijvw	Hijwx	Hijxy
If in Copper Case	...	H 229	H 230	H 231	H 232
Code Word:—		Hijyz	Hijza	Hijab	Hijbc

H 233—H 240 Refrigerator or Hold Thermometer, Metal Case, ordinary end as illustrated, with Silvered Metal Scale and Mercury Tube. Ranges minus 30° to plus 130° Fah. or 0° to plus 260° Fah. (or equivalent in Centigrade).

		8"	10"	12"	14"
If in Japanned Case	...	H 233	H 234	H 235	H 236
Code Word:—		Hijcd	Hijde	Hijef	Hijfg
If in Copper Case	...	H 237	H 238	H 239	H 240
Code Word:—		Hijgh	Hijhi	Hijkjk	Hjkkk

The above Thermometers can be supplied with double scale, viz., both Fah. and Cent., and are charged accordingly.

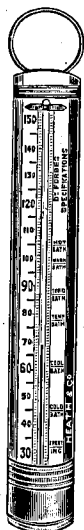
H 241 Hold Thermometer, Brass Case, with divided and figured on stem Mercury Tube and plain Metal Scale. Range minus 10° to plus 100° Fah. (or to order). Length 10½" overall. Code Word, Hjklm

H 242 Refrigerator or Hold Thermometer, round Brass Case, with stout wire handle, hand-painted Opal Scale and Mercury Tube. Range minus 10° to plus 75° Fah. (or to order). Code Word, Hjkmn

H 243 Ditto, ditto, with Red Fluid Tube. Code Word, Hjkn

HEATH & Co., London, S.E.9.

Bath Thermometers.



H 244—H 249.

Thermometers supplied for every purpose.

Send us full particulars of your requirements and allow us to quote.

Repairs promptly attended to.



H 250—H 253.

H 244—H 249 Bath Thermometer, Metal Case, with Mercury Tube, and Silvered Metal Scale. Range 30° to plus 150° Fah. (or to order).

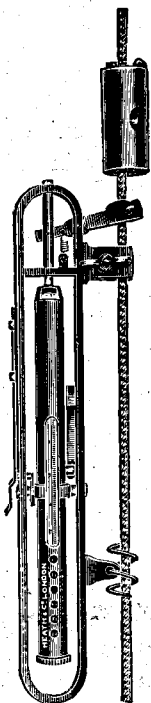
		8"	10"	12"
In Japanned Case	... ..	H 244	H 245	H 246
Code Word:		Hjkop	Hjkpq	Hjkqr
In Copper Case	... ..	H 247	H 248	H 249
Code Word:		Hjksr	Hjkst	Hjktu

H 250—H 253 Bath Thermometer, Wood Handle and Frame with Glass Insulated Tube and Paper Scale. (Foreign manufacture, which we cannot guarantee.)

	8"	10"	12"	14"
Code Word:	Hjkuv	Hjkwv	Hjkwx	Hjkxy

HEATH & Co., London, S.E.9.

Deep Sea Thermometers.



H 254.

H 254 Deep Sea Thermometer, Metal Case, automatic reverse, with messenger, special divided on stem Mercury Tube and glass outer sheath constructed to withstand a pressure of 3 to 4 tons per square inch. Range 15° to plus 85° Fah. (or to order), complete in box. Code Word, **Hjkyz**

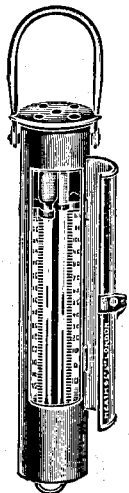
H 255 Ditto, ditto, with National Physical Laboratory Certificate. Code Word, **Hjkza**

H 256 Spare Thermometer to suit above frame, uncertified. Code Word, **Hjkb**

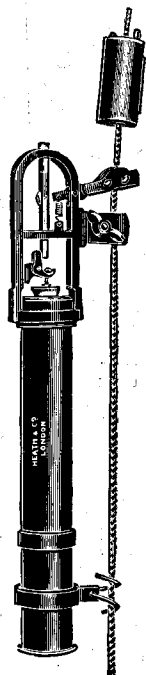
H 257 Deep Sea Water Bottle, Metal Frame, automatic reverse, with messenger, and 6 spare springs, complete in box. Code Word, **Hjkb**

H 258 Spare Messenger, suitable for H 254 or H 257. Code Word, **Hjkcd**

H 259 Deep Sea Thermometer, Maximum and Minimum Type, made to withstand deep sea pressure, having Bulbs specially protected against pressure up to 3 tons per square inch, mounted on Ebonite, with White Metal Scales, in strong Copper Case with handle, door, valve and grooved magnet. Code Word, **Hjkde**

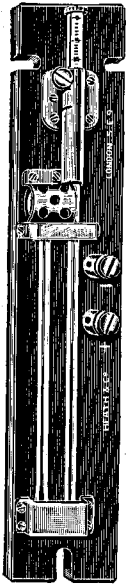


H 259.



H 257.

Electrical Contact Thermometers.



H 260.

This Thermometer was designed by us to suit the special needs of clients of ours. It was in this case necessary to control the temperature of Fruit Vans, etc.; we therefore designed this thermometer which, when set at the required temperature, is capable, by means of the electrical attachment, of controlling the heating apparatus by a "make" and "break" contact, means being provided to prevent discoloration.

This Thermometer can be varied according to requirements.

H 260 Temperature Control Thermometer,
Black Ebonite Back, Sixes Type Tube,
with adjustable electrical contacts, as
illustrated. Ranges to be controlled
between 20° and 60° Fah. (or to order).

Code Word, **Hjkef**

**H 261 8" Boxwood Back, Square Edge, Electrical
Contact Thermometer** (Fixed Contact type),
as illustrated. Range 0° to plus 140° Fah.

Code Word, **Hjkfg**

H 262 10" ditto, ditto.

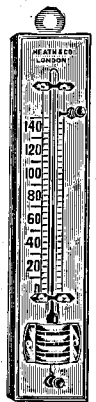
Code Word, **Hjkgh**

H 263 8" ditto, round top, bevelled edge, better quality.

Code Word, **Hjkhi**

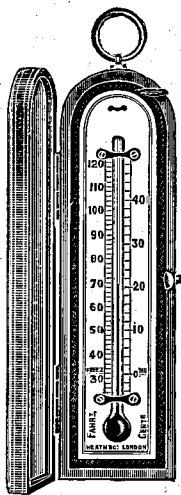
H 264 10" ditto, ditto.

Code Word, **Hjkij**

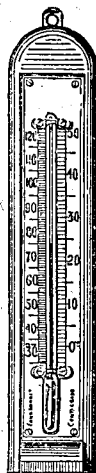


H 261.

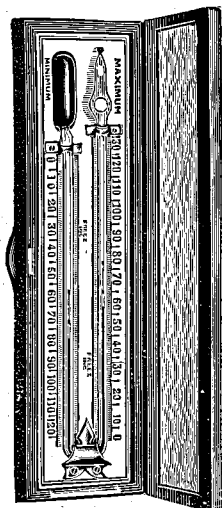
Pocket Thermometers.



H 265.



H 266.



H 267.

H 265 Pocket Thermometer, with Mercury Tube and Ivorine Scale. Range 20° to plus 120° Fah. and Cent. (or to order), complete in Imitation Morocco-covered Velvet-lined Snap Case; approximately 5" overall. Code Word, **Hk1kl**

H 266 Pocket Thermometer, with Mercury Tube and Ivorine Scale. Range 20° to plus 120° Fah. and Cent. (or to order), complete in polished slide-lid case; approximately 5" overall. Code Word, **Hk1lm**

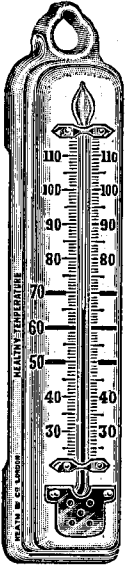
H 267 Pocket Dimension Thermometer, Maximum and Minimum, with Mercury Tube and Ivorine Scale, complete in Imitation Morocco-covered, Velvet-lined Snap Case; approximately 5" overall. Code Word, **Hk1lmn**

Specifications can often be varied to suit requirements.

Send particulars and allow us to quote.

HEATH & Co., London, S.E.9.

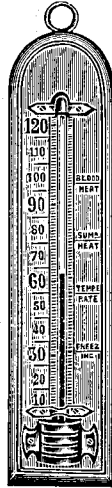
Ward or Chamber Thermometers.



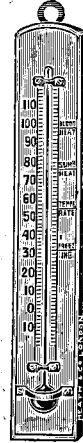
H 268.



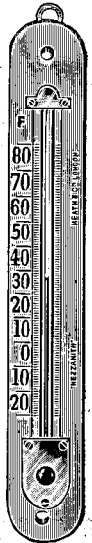
H 270.



H 272.



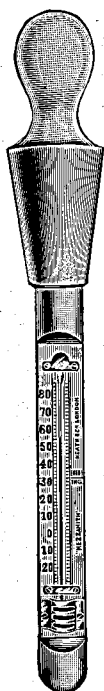
H 275.



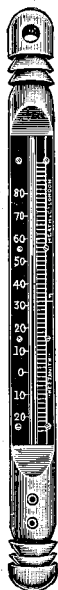
H 277.

- H 268 Ward Thermometer**, hollow back Porcelain, very bold, with stout Black Fluid Tube. Range 30° to plus 110° Fah. (or to order). Showing thick Red Lines at 50°, 60° and 70°. Code Word, **Hklnb**
- H 269 Ditto**, ditto, with Red Fluid Tube. Code Word, **Hklop**
- H 270 Ward Thermometer**, Boxwood, bevelled edge, bold Black Fluid Tube. Range 30° to plus 120° Fah. (or to order). Code Word, **Hklpq**
- H 271 Ditto**, ditto, with Red Fluid Tube. Code Word, **Hklqr**
- H 272 Ward Thermometer**, 8" Boxwood, bevelled edge, round top with lug, sunk Mercury Tube 10° to plus 120° Fah. (or to order). Code Word, **Hklrs**
- H 273 Ditto**, ditto, cheaper quality. Code Word **Hklst**
- H 274 Ditto**, ditto, with Red Fluid Tube. Code Word, **Hkltu**
- H 275 8" Chamber Thermometer**, polished Boxwood, cheap form, square edges with Red Fluid Tube. Range minus 10° to plus 110° Fah. (or to order). Code Word, **Hkluv**
- H 276 Ditto**, slightly stouter and with Tube sunk into Boxwood. Code Word, **Hklvw**
- H 277 Chamber Thermometer**, 8½", rounded ends, polished Boxwood, with sunk lens front Red Fluid Tube. Range minus 20° to plus 85° Fah. Code Word, **Hklwx**

Chamber Thermometers.



H 278.



H 279.



H 280.



H 282.

- H 278 Hezzanith Boxwood Plug Type Thermometer**, as illustrated, measurement "A" 10", Red Fluid Tube. Range minus 25° to plus 85° Fah. Code Word, **Hklyx**
Measurement "A" can be made any length to order.
- H 279 Hezzanith Double Crease Registered Model Thermometer**, polished Boxwood, with screwed bottom, lens front Red Fluid Tube, with overflow chamber at top, and Black Vulcanite Scale with dividing filled in white. Range minus 25° to plus 85° Fah. Code Word, **Hklyz**
- H 280 Hezzanith "CLEARFORM" Registered Model Chilling Thermometer**, stout polished Boxwood with screwed bottom, and Black Vulcanite Scale with dividing and figuring filled in white. Extra bold "CLEARFORM" divided and figured on stem Red Fluid Tube with large double overflow chamber at top. Range plus 10° to plus 50° Fah. (or to order). Code Word, **Hklza**
- H 281 Ditto, for Fruit**, Range plus 40° to plus 90° Fah. (or to order). Code Word, **Hklab**
- H 282 Chamber Thermometer**, stout Boxwood, cheaper form than above, Black Vulcanite scale with dividing and figuring filled in white. Mercury Tube. Range minus 20° to plus 80° Fah. (or to order). Code Word, **Hklbc**
- H 283 Ditto, ditto**, with double scale, reading minus 20° to plus 80° Fah. and equivalent in Centigrade. Code Word, **Hklcd**

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Chamber Thermometers.



H 284.



H 285.



H 286.



H 287.



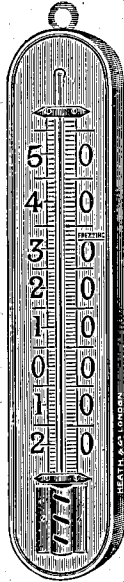
H 288.

- H 284** Hezzanith Registered Model Chamber Thermometer, polished Boxwood, with screwed bottom, Red Fluid Tube. Range minus 20° to plus 85° Fah. (or to order).
Code Word, **Hklde**
- H 285** Chamber Thermometer, short pattern, polished Boxwood, with eye at top and bottom, Red Fluid Tube. Range minus 20° to plus 85° Fah. (or to order).
Code Word, **Hklf**
- H 286** Chamber Thermometer, polished Boxwood, tapered end, Red Fluid Tube. Range minus 20° to plus 85° Fah. (or to order).
Code Word, **Hklfg**
- H 287** Hezzanith Single Crease Chamber Thermometer, polished Boxwood, good quality, with screwed bottom, Red Fluid Tube. Range plus 5° to plus 100° Fah. (or to order).
Code Word, **Hklgh**
- H 288** Chamber Thermometer, cheap form, polished Boxwood with Red Fluid Tube. Range minus 10° to plus 110° Fah. (or to order).
Code Word, **Hklhi**
- H 289** Ditto, ditto, unpolished Boxwood, ditto.
Code Word, **Hklj**
- H 290** Ditto, Beechwood ditto.
Code Word, **Hkljk**

Chamber Thermometers.



H 292.



H 293.



H 294.

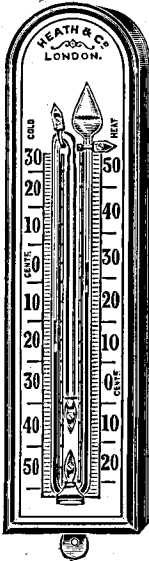


H 296.

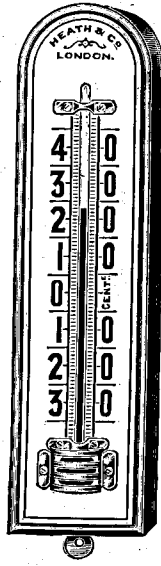
- H 291 **Boxwood Standard Thermometer**, approximately 20" overall, with divided on stem Mercury Tube to $\frac{1}{2}^{\circ}$ and divided and figured on Boxwood Scale. Range minus 15° to plus 75° Fah. (or to order); best quality throughout and with N.P.L. Certificate, with hole at top for hanging in chamber. Code Word, **Hlmhm**
- H 292 13" ditto, ditto. Range minus 30° to plus 130° Fah. with N.P.L. Certificate. Code Word, **Hlmmn**
- H 293 10" **Chamber Thermometer**, Bold, extra wide polished Boxwood with Red Fluid Tube, very bold dividing and figuring on Boxwood. Range minus 20° to plus 50° Fah. (or to order). Code Word, **Hlmno**
- H 294 10" **Chamber Thermometer**, narrow pattern, polished Boxwood with Red Fluid Tube. Range minus 30° to plus 130° Fah. (or to order) with guard over bulb. Code Word, **Hlmop**
- H 295 Ditto, ditto, with Mercury Tube, and guard over bulb. Code Word, **Hlmpq**
- H 296 Ditto, ditto, with Red Fluid Tube, but without guard over bulb. Code Word, **Hlmqr**
- H 297 Ditto, ditto, with Mercury Tube, but without guard over bulb. Code Word, **Hlmrs**
- H 298 Ditto, ditto, with Red Fluid Tube, without guard, unpolished Boxwood. Code Word, **Hlmst**

HEATH & Co., London, S.E.9.

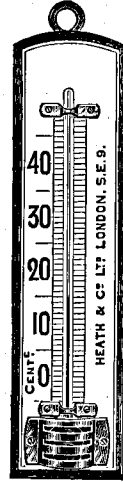
Cabin Thermometers.



H 299.



H 300.



H 301.

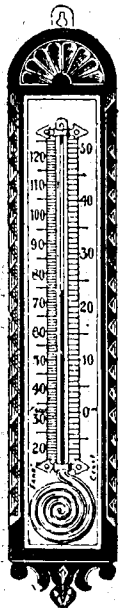
H 299 10" Cabin, Sixes Type, Maximum and Minimum Thermometer, stout polished Boxwood, bevelled edge frame, with Mercury Tube and bold Opal Scale. Range minus 20° to plus 90° Fah. (or to order), with lug at top and bottom. Code Word, **Hlmtu**

H 300 10" Cabin Thermometer, stout polished Boxwood back, bevelled edge, with Mercury Tube and bold Opal Scale. Range 10° to plus 100° Fah. (or to order). Code Word, **Hlmuv**

H 301 8" Cabin Thermometer, cheaper model, with polished Boxwood back, and Mercury Tube and bold Opal Scale. Range 0° to plus 110° Fah. (or to order). Code Word, **Hlmvw**

H 302 10" Ditto, ditto, ditto. Code Word, **Hlmw̄x**

Cabin Thermometers.



H 303.

- H 303 **Indoor Thermometer**, carved Walnut or Oak, as illustrated, with Mercury Tube with Spiral Bulb and 8" Opal Scale. Range 20° to plus 120° Fah. and equivalent in Cent. (or to order). Code Word, **Hlmxy**
- H 304 10" Ditto, ditto, ditto. Code Word, **Hlmzy**
- H 305 12" Ditto, ditto, ditto. Code Word, **Hlmza**
- H 306 14" Ditto, ditto, ditto. Code Word, **Hlmab**

- H 307 **Indoor Thermometer**, polished Mahogany or Oak, with bold Mercury Tube with Spiral Bulb, 8" Opal Scale. Range 20° to plus 120° Fah. and equivalent in Cent. (or to order).

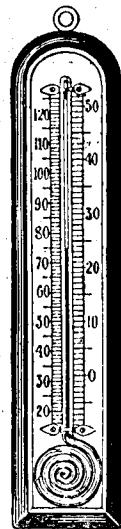
Code Word, **Hlmbc**

- H 308 10" Ditto, ditto.

Code Word, **Hlmcd**

- H 309 12" Ditto, ditto.

Code Word, **Hlmde**

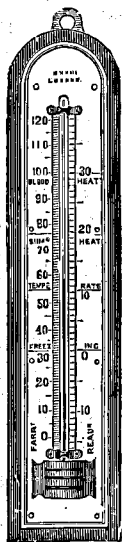


H 307.

- H 310 **Indoor Thermometer**, polished Mahogany or Oak, with Mercury Tube and 8" Opal Scale. Range 0° to plus 120° Fah. and Cent. (or to order). Code Word, **Hlmef**

- H 311 10" Ditto, ditto, ditto. Code Word, **Hlmfg**

- H 312 12" Ditto, ditto, ditto. Code Word, **Hlmgh**

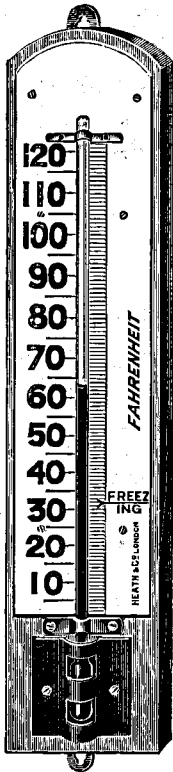


H 310.

Advertising and Exhibition Thermometers.

Thermometers manufactured to suit individual and special requirements.

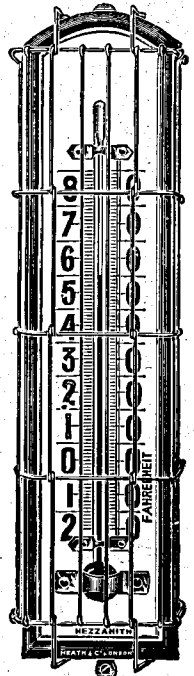
Allow us to discuss with you your Temperature Indicating or Recording problems, or write us fully so that the most economical and most satisfactory Instruments may be installed.



H 313.

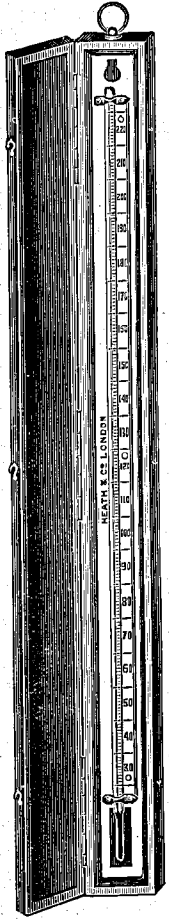
H 314 Large Exhibition Thermometer, polished Boxwood, bevelled edge, approx. 17" x 4" x 1 $\frac{3}{4}$ " thick. With bold lens front Red Fluid Tube and bevelled Opal Scale. Range minus 20° to plus 85° Fah. (or to order). Code Word, Hlmij

H 315 Ditto, with Nickel-plated Wire Guard, as illustrated. Code Word, Hlmjk



H 315.

Standard N.P.L. Certified Thermometers.



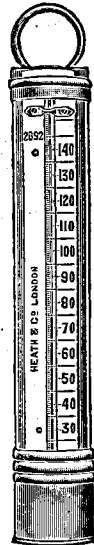
H 316.

H 316 Standard Thermometer, stem divided Mercury Tube to $\frac{1}{2}^{\circ}$, 18" x 2" heavy Silvered Metal Scale, dividing and figuring on raised piece, divided every 5° and figured every 10° . Range 30° to plus 212° Fah. (or to order), complete with N.P.L. Certificate, in padded polished case.

Code Word, **Hlmlk**

H 317 Standard Thermometer, in heavy Japanned Copper Case, divided on stem Mercury Tube, with Porcelain Scale, with raised strip almost level with front of Tube. Range 30° to plus 140° Fah. (or to order) and complete with N.P.L. Certificate.

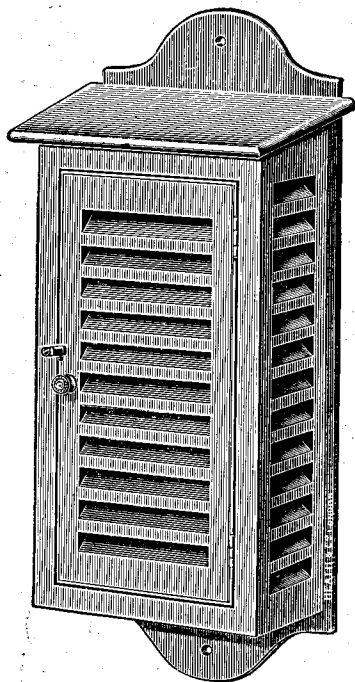
Code Word, **Hmmmn**



H 317.

Hygrometer Screen

B.O.T. Model.



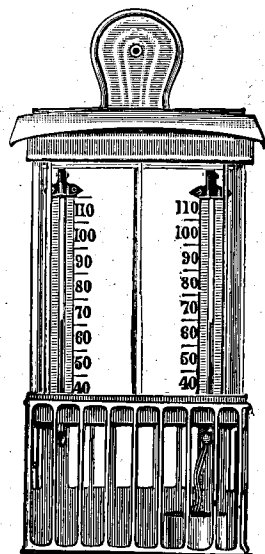
H 318.

H 318 Hygrometer Screen.
B.O.T. Model as illustrated, Enamelled White, with door, to take H 319 Hygrometer.

Code Word, Hmno

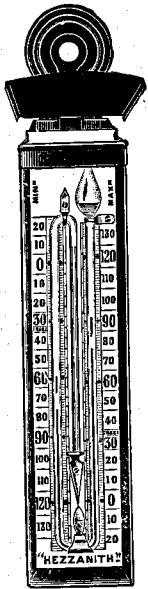
H 319 Mason's Hygrometer, or Wet and Dry Bulb Thermometer, broad pattern, Japanned Case, with gate. Mercury Tubes and $7\frac{1}{2}$ " \times 5" Opal Scale. Range 40° to plus 110° Fah. (or to order), with water bottle, complete to suit above screen.

Code Word, Hmno

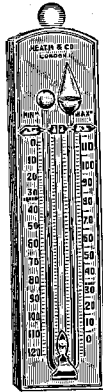


H 319.

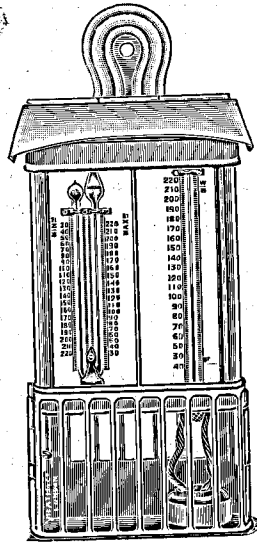
Maximum and Minimum Thermometers.



H 320.



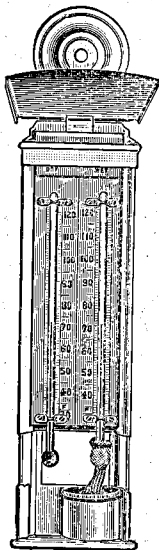
H 325.



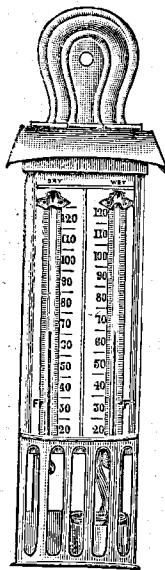
H 329.

- H 320 8" Sixes Type Maximum and Minimum Thermometer, Copper Case, with Mercury Tube and Opal Scale. Range minus 10° to plus 120° Fah. (or to order), complete with grooved magnet. Code Word, **Hmnpq**
- H 321 10" Ditto, ditto, in Copper Case. Code Word, **Hmnpq**
- H 322 8" Ditto, ditto, as above but in Japanned Case. Code Word, **Hmnr**
- H 323 10" Ditto, ditto, in Japanned Case. Code Word, **Hmnr**
- H 324 8" Ditto, ditto, with Boxwood scale, in Japanned Case. Code Word, **Hmnr**
- H 325 8" Boxwood Back, square edge, Maximum and Minimum Thermometer. Code Word, **Hmnr**
- H 326 8" Ditto, with bevelled edge. Code Word, **Hmnr**
- H 327 10" Ditto, square edge. Code Word, **Hmnr**
- H 328 10" Ditto, bevelled edge. Code Word, **Hmnr**
- H 329 Combined Mason's Hygrometer and Maximum and Minimum Thermometer, in Japanned Case with Max. and Min. Tube and Wet Bulb Tube and 7½" x 5" Zinc Scale. Range 30° to plus 220° Fah. (or to order). Code Word, **Hmnyz**

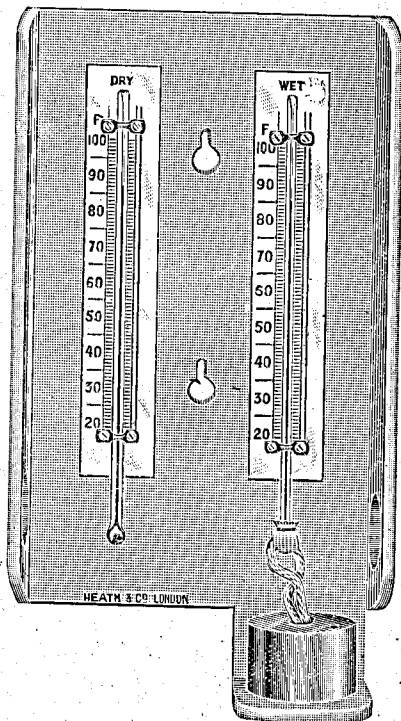
Hygrometers.



H 330.



H 333.

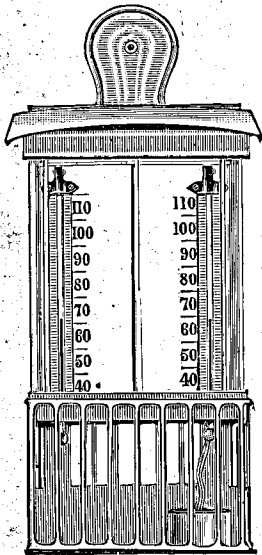


H 336.

- H 330** Mason's Hygrometer, Psychrometer or Wet and Dry Bulb Thermometer, Japanned Case, narrow pattern, with $7\frac{1}{2}'' \times 2\frac{1}{2}''$ Boxwood scale. Range 40° to plus 120° Fah. (or to order), complete with water bottle. Code Word, **Hmnza**
- H 331** Ditto, ditto, with Zinc Scale. Code Word, **Hminab**
- H 332** Ditto, ditto, with Opal Scale. Code Word, **Hmnbc**
- H 333** Ditto, ditto, narrow pattern with shield or gate over bulbs, as illustrated, and Boxwood scale. Code Word, **Hmncd**
- H 334** Ditto, ditto, with Zinc Scale. Code Word, **Hmnde**
- H 335** Ditto, ditto, with Opal Scale. Code Word, **Hmnef**
- H 336** Oak Frame Mason's Hygrometer, as illustrated, Mercury Tubes and Zinc Scales, with water bottle. Range 20° to plus 100° Fah. (or to order). Code Word, **Hmnfg**

HEATH & Co., London, S.E.9.

Hygrometers.



H 337.

H 337 Mason's Hygrometer, Psychrometer or Wet and Dry Bulb Thermometer, broad pattern, Japanned case, with gate, Mercury Tube, and $7\frac{1}{2}$ " \times 5" Opal Scale. Range 40° to plus 110° Fah. (or to order), complete with water bottle.

Code Word, **Hmng**

H 338 Ditto, ditto, with Zinc Scale.

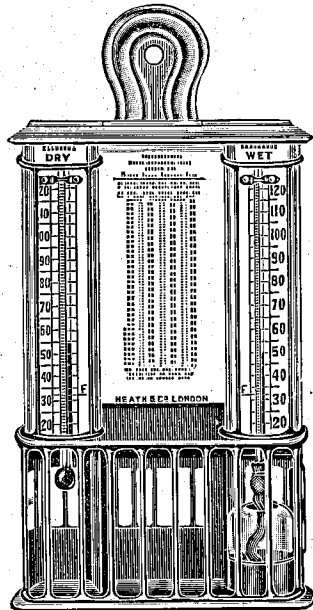
Code Word, **Hmnh**

H 339 Mason's Hygrometer, Psychrometer or Wet and Dry Bulb Thermometer, broad pattern, in Japanned case with gate, with Mercury Tubes and two Opal Scales. Range 40° to plus 110° Fah. (or to order), complete with water bottle.

Code Word, **Hmni**

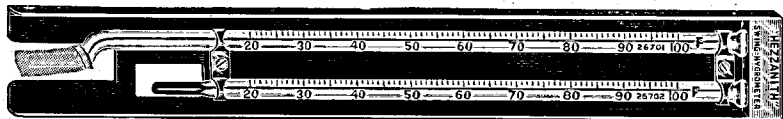
H 340 Ditto, ditto, with divided on stem Mercury Tubes.

Code Word, **Hmnik**



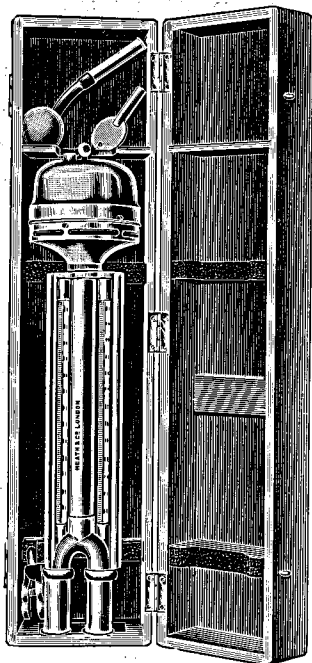
H 340.

Psychrometers.



H 341.

- H 341 Whirling or Swing Hygrometer**, Brass bent-up-side frame with wood handle, Mercury Tubes, with spare muslins for Wet Tube and Water Bottle, in Case, Code Word, Hmnlk



H 342.

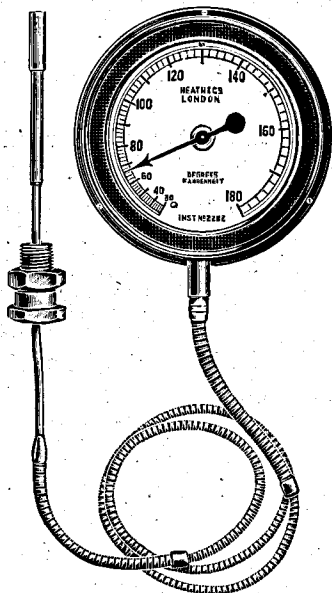


H 342a.

- H 342 Assmann's Psychrometer** (or Wet and Dry Bulb Hygrometer), consisting of two Mercury Tube Thermometers, the bulb of one being kept moist by means of a muslin sheath soaked in water, complete with clockwork fan, etc.; in Case, as illustrated. Code Word, Hmnlm

The Assmann's Psychrometer is used for the same purpose as the ordinary Wet and Dry Bulb Thermometer, viz. :—for determining the Humidity of the Air, but where greater accuracy is required. It is fitted with a clockwork fan which draws the air at a convenient speed over the bulbs, the dry bulb reading giving the true temperature, the difference between that and the wet bulb reading enabling one, by means of special tables, to obtain the percentage of humidity, the dew point, and the vapour pressure of the air.

Dial Distance Thermometers.



H 343.

H 343 4" Dial Distance Thermometer, in dust and steam proof case, best quality movement, with fully-protected capillary tubing, cylindrical bulb, complete with 10 ft. capillary tubing (other lengths to order, see below).

Code Word, Hnono

H 344 6" dial ditto, ditto.

Code Word, Hnoop

H 345 8" dial ditto, ditto.

Code Word, Hnopq

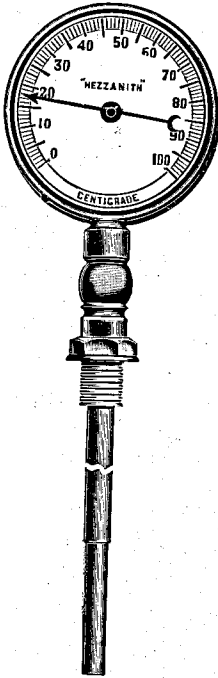
EXTRAS.

Fully-protected Capillary Tubing beyond 10 ft. up to any length, extra per foot.

Unions, Brass,	Screwed	$\frac{1}{2}$ "	gas thread.	Code Word,	Hnoqr
"	"	$\frac{3}{4}$ "	"	"	Hnors
"	"	1"	"	"	Hnost
"	Steel	$\frac{1}{2}$ "	"	"	Hnotu
"	"	$\frac{3}{4}$ "	"	"	Hnouv
"	"	1"	"	"	Hnovw

Dial Thermometers.

Mercury-in-Steel-Type.



H 346.

H 346 6" Dial Thermometer with rigid stem (stem can be made any length from 4" to 10 ft., as required), with bush screwed $\frac{3}{4}$ " or 1" gas thread. Complete with stem up to 2 ft.

Code Word, Hnowx

H 347 Ditto, but fitted with flange instead of threaded bush.

Code Word; Hnoxy

Extra stem per 6 inches.

H 348 8" Dial Steel Tube Mercury Thermometer, Iron Case, with rigid tailpiece up to 3 ft. 6 ins., complete with bracket.

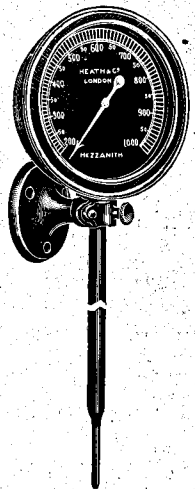
Code Word, Hnoyz

H 349 Ditto, with 6 ft. tailpiece.

Code Word, Hnoza

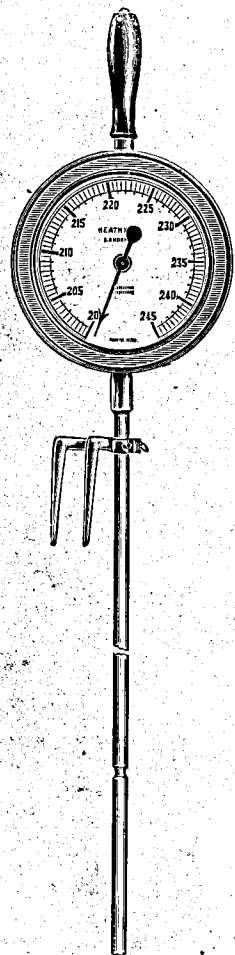
H 350 Dial Thermometer as above, but with armoured capillary tubing, fitted with $\frac{3}{4}$ " gas union connection.

Code Word, Hnoab



H 348.

Vat, Jam, or Dipping Thermometers.

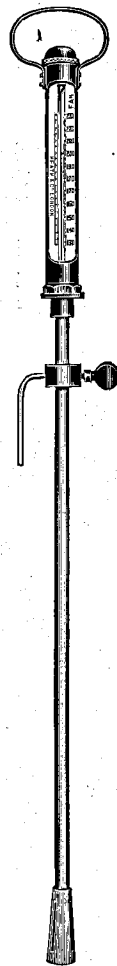


H 351.

H 351 Jam or Vat Thermometer, Dial type (Mercury-in-steel), 8" dial, steamproof case, reading 200° to plus 245° Fah (or to order), with 3 ft. tailpiece and adjustable hook for fixing to side of pan or vat. Tailpiece heavily copper plated; handle at top.

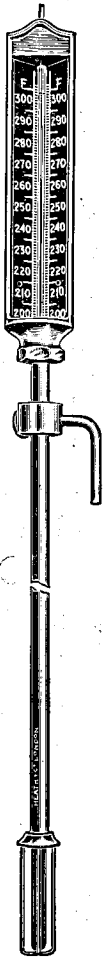
Code Word, **Hnobb**

H 352 Brass Case Vat or Dipping Thermometer, with strong coppered or tinned tailpiece with large bucket to protect bulb, adjustable hook on side divided and figured on stem Mercury Tube and Silvered Metal Scale, reading from 130° to 230° Fah. (or to order). Code Word, **Hnocd**



H 352.

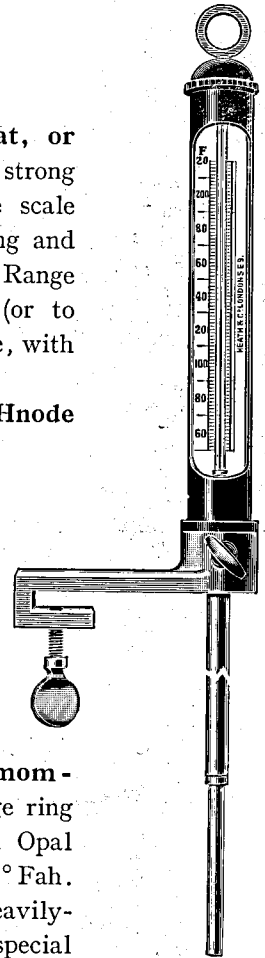
Vat, Jam, or Dipping Thermometers.



H.353.

H 353 Polished Brass Case, Vat, or Dipping Thermometer, strong hook at top, "V"-shape scale (Black, with White dividing and figuring), Mercury Tube. Range 200° Fah. to 300° Fah. (or to order); 2-ft. plated tailpiece, with adjustable side hook.

Code Word, **Hnode**



H.354.

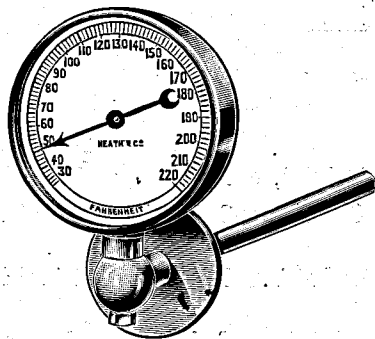
H 354 Ham Boiler or Tank Thermometer, Brass Case, with large ring at top, Mercury Tube and Opal Scale. Range 60° to plus 220° Fah. (or to order); with 24" heavily-plated tailpiece, and with special adjustable fitting for securing to pan.

Code Word, **Hnoef**

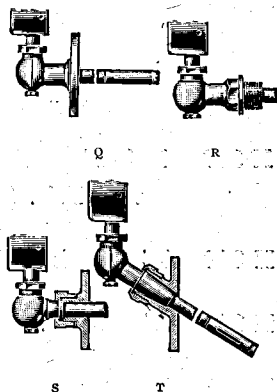
In most cases the specifications can be varied to suit requirements.

Dial Thermometers.

Mercury-in-Steel-Type.



H.355.

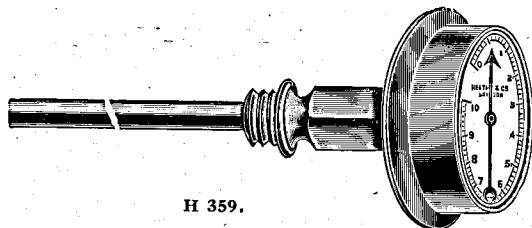


Showing fittings usually supplied.

- H 355** Dial Thermometer, Right-angle Type, Mercury-in-Steel Model, in Brass Case, 6" dial, tailpiece up to 12", with flange " Q " (see illustration). Code Word, **Hnofg**
- H 356** Dial Thermometer as above, but with hexagon nut screwed $\frac{3}{4}$ " or 1" gas thread. " R " (see illustration). Code Word, **Hnogh**
- H 357** Ditto, fitted with union nut, cone fitting and flange. " S " (see illustration). Code Word, **Hnohi**
- H 358** Ditto, fitted with special angle stem with union nut, cone fitting and flange. " T " (see illustration). Code Word, **Hnoij**

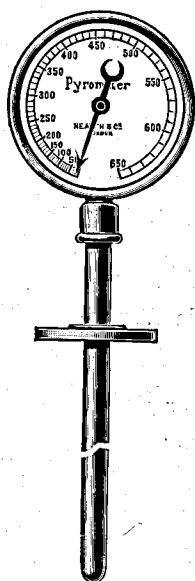
Specifications can often be varied to suit requirements.
Send particulars and allow us to quote.

Pyrometers.



H 359.

- H 359 Baker's Oven Pyrometer, 4" Dial, 3 ft. stem reading to 700° Fah. (or equivalent in Cent.) Code Word, **Hnoj**k
- H 360 Ditto, 3 ft. stem, reading to 1,000° Fah. Code Word, **Hnok**l
- H 361 Ditto, 4 ft. stem, reading to 700° Fah. Code Word, **Hnol**m
- H 362 Ditto, 4 ft. stem, reading to 1,000° Fah. Code Word, **Hnom**n



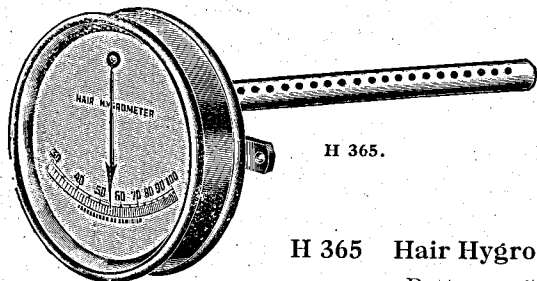
H 363.

High Reading Pyrometers.

- H 363 Metal Expansion Pyrometer, 6" dial with flange fitting (as shown) and 3 ft. stem, reading to 1,500° Fah.
Code Word, **Hopop**
- H 364 Ditto, with 4 ft. stem.
Code Word, **Hoppq**

Special Pyrometers can be supplied to requirements. Please give us full particulars and allow us to quote.

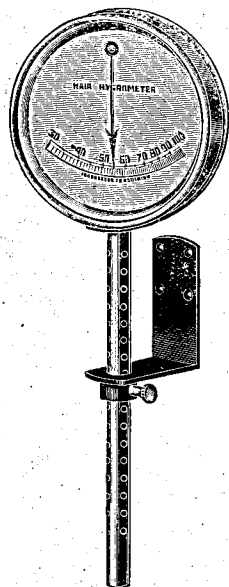
Hair Hygrometers.



H 365.

H 365 Hair Hygrometer, Brass Case, Angle Pattern, 5" Silvered Metal Dial, open range, with 12" tailpiece for passing through wall. Range 30% to 100% humidity.

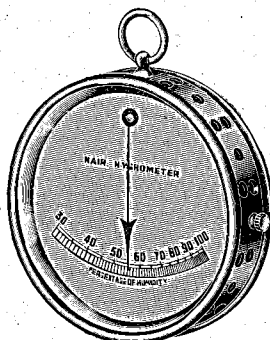
Code Word, **Hopqr**



H 366.

H 366 Hair Hygrometer, Brass Case, Bracket Pattern, 5" Silvered Metal Dial, with bracket and 12" tailpiece. Range 30% to 100% humidity.

Code Word, **Hoprs**



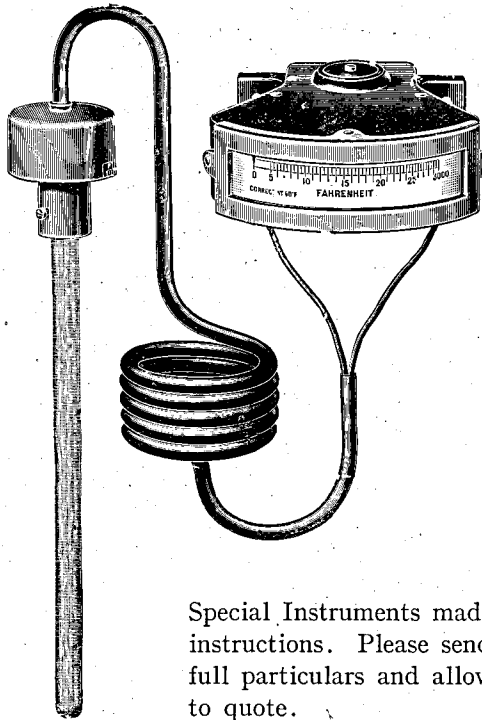
H 367.

H 367 Hair Hygrometer, Brass Case, round pattern, 5" Silvered Metal dial, with ring at top for hanging. Range 30% to 100% humidity.

Code Word, **Hopst**

Electrical Pyrometers.

Single temperature point model.

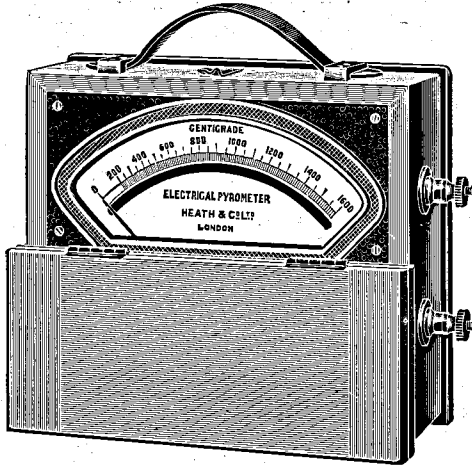


H 369.

Special Instruments made to instructions. Please send us full particulars and allow us to quote.

- H 368** **Hezzanith Electrical Pyrometer**, single temperature point model, dead-beat pivoted moving coil movement of improved design, mounted in cast iron case, plated front, 7" Silvered Metal Scale. Complete for any temperature up to 1,500° Fah. (or equivalent in Centigrade), with thermo-couple any length up to 3 ft. Code Word, **Hoptu**
Extra for thermo-couple up to 6 ft. per ft. Code Word, **Hopuv**
- H 369** Ditto, any temperature up to 3,000° Fah. (or equivalent in Centigrade), with thermo-couple any length up to 1 ft. Code Word, **Hopvw**
Longer thermo-couple per ft. up to 6 ft. Code Word, **Hopwx**
Spare Brackets extra. Code Word, **Hopxy**
Compensated lead extra per yard. Code Word, **Hopyz**

Electrical Portable Pyrometers.



H 370.

H 370 Electrical Pyrometer, Portable type, Enamelled Metal Frame, with plated facings, 7" Silvered Metal Scale, dead-beat pivoted moving coil movement, with inset mirror ensuring accuracy in taking readings, reading to 1, 500° Fah. (or equivalent in Centigrade), complete in hardwood carrying case with handle and hinged flap cover, as illustrated, with thermo-couple up to 3 ft. long and 6 ft. connecting lead. Code Word, **Hopza**

Extra for thermo-couple up to 6 ft. per ft. Code Word, **Hopab**

H 371 Ditto, for temperatures up to 3,000° Fah. with 1 ft. rare metal thermo-couple and 6 ft. connecting lead.

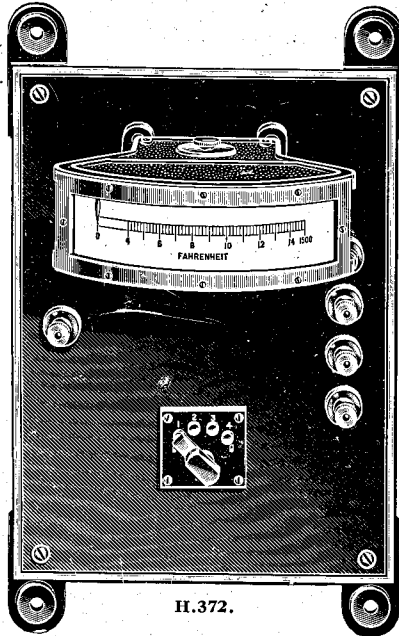
Code Word, **Hopbc**

Extra for thermo-couple up to 6 ft. per ft. Code Word, **Hopcd**

Extra connecting lead, per yd. Code Word, **Hopde**

Electrical Distance Pyrometers.

Multiple Type.



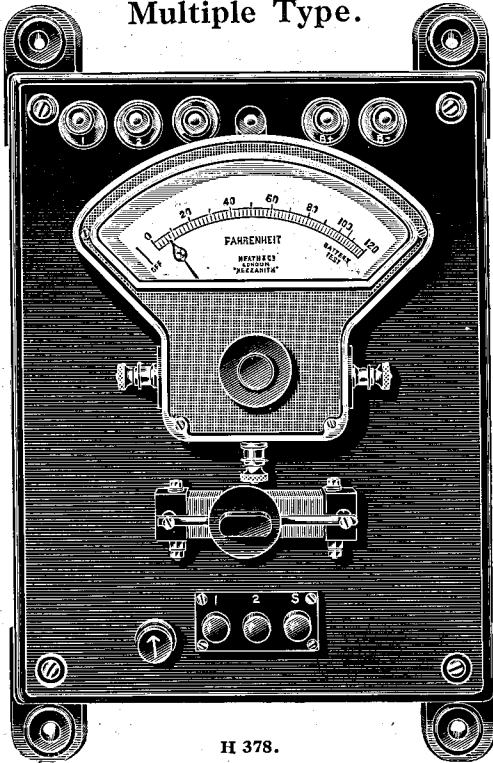
H.372.

- H 372** Hezzanith Electrical Multiple type Distance Pyrometer, mounted on an iron case, with enclosed switch, which receives the wires from the various thermo-couples. By operating the switch, the temperature of any desired Chamber may be indicated on the scale. Complete for four points, for temperatures up to 1,500° Fah. (or equivalent in Cent.), with base-metal thermo-couples up to 3 ft. long.
- Code Word, **Hopef**
- H 373** Ditto, for eight points. Code Word, **Hopfg**
- H 374** Ditto, for twelve points. Code Word, **Hopgh**
Extra for base-metal thermo-couple per ft. up to 6 ft. Code Word, **Hophi**
- H 375** Ditto, reading up to 3,000° Fah. (or equivalent in Cent.) for four points, with platinum and indio-platinum thermo-couples up to 1 ft. long. Code Word, **Hopij**
- H 376** Ditto, for eight points. Code Word, **Hopjk**
- H 377** Ditto, for twelve points. Code Word, **Hopkl**
Extra for platinum and indio-platinum thermo-couple, per ft. up to 6 ft. Code Word, **Hopl m**
Extra for compensated lead per yd. Code Word, **Hopm n**

HEATH & Co., London, S.E.9.

Electrical Distance Pyrometers.

Multiple Type.



H 378.

H 378 Hezzanith Electrical Distance Thermometer, Multiple Type, for measuring low and medium temperatures from minus 20° Fah. to plus 500° Fah. (or equivalent in Centigrade), with specially-designed dead-beat pivoted moving coil movement; in Iron Case with plated facings, mounted on polished slate panel, with adjustable resistance battery key and spring button keys as illustrated. Complete installation for four points with Thermo-elements, and accumulator.

Code Word, **Hopno**

H 379 Ditto for eight points. Code Word, **Hpppq**

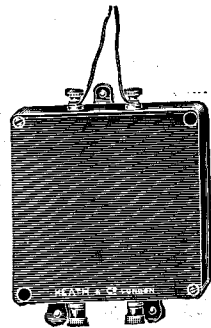
H 380 Ditto for twelve points. Code Word, **Hppqr**

Connecting wire, extra per yd.

Code Word, **Hpqrs**

This Thermometer can be supplied suitable for connecting direct to the electricity supply, in which case a transformer is needed (see H 381). It is necessary to state voltage and whether A.C. or D.C., etc.

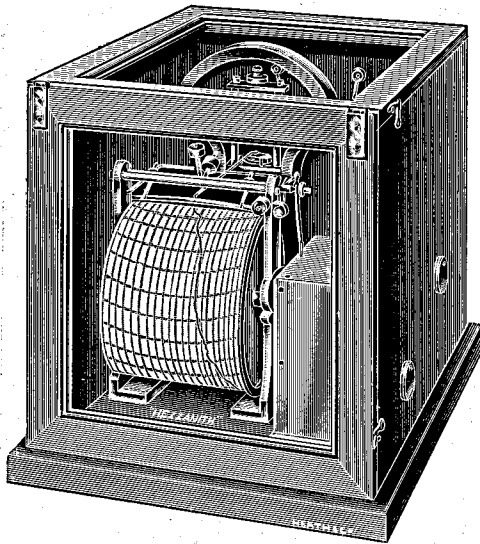
Code Word, **Hpqst**



H 381.

HEATH & Co., London, S.E.9.

Electrical Recording Pyrometers.



H 382.

- H 382 **Hezzanith Electrical Pyrometer, Recording Model**, in polished Case, with 24-hour chart drum and eight-day clock movement, complete with 50 charts. Code Word, **Hpqtu**



H 383.

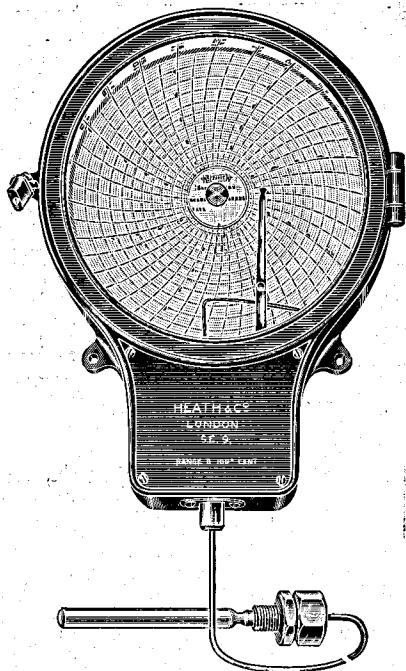
- H 383 **3-ft. Thermo-couple**, for recording up to 1,500° Fah. (or Cent.) for use with above. Code Word, **Hpquv**
Extra for Thermo-couple up to 6 ft. per ft. Code Word, **Hpqvw**
- H 384 **1 ft. ditto**, to 3,000° Fah. (or Cent.). Code Word, **Hpqwx**
Extra for Thermo-couple up to 6 ft. per ft. Code Word, **Hpqxy**
- H 385 **Spare Charts**, per packet of 100. Code Word, **Hpqyz**

This Thermometer can be supplied suitable for connecting direct to the electricity supply, if preferred, in which case a transformer is needed (see H 381, page 63). It is necessary to state voltage; also A.C. or D.C., etc.

HEATH & Co., London, S.E.9.

Recording Thermometers.

Circular Chart Type.



H 386.

H 386 Hezzanith Recording Thermometer, Circular Chart Type, in Japanned Aluminium Case, good quality clock movement, made to revolve once in 24 hours or 8 days (as required); complete with 50 charts (approximately 9" diameter), up to 15 ft. capillary tube, fully protected, and tailpiece to suit requirements. Code Word, **Hpqza**

Extra length of capillary tubing per ft.

Unions, if fitted during the manufacture of the Thermometers:

Brass, Screwed	$\frac{1}{2}$ "	gas thread.	Code Word, Hpqab
" "	$\frac{3}{4}$ "	" "	Code Word, Hpqbc
" "	1"	" "	Code Word, Hpqcd
Steel, "	$\frac{1}{2}$ "	" "	Code Word, Hpqde
" "	$\frac{3}{4}$ "	" "	Code Word, Hpqef
" "	1"	" "	Code Word, Hpqfg

H 387 Spare Charts, per packet of 150. Code Word, **Hpqgh**

HEATH & Co., London, S.E.9.

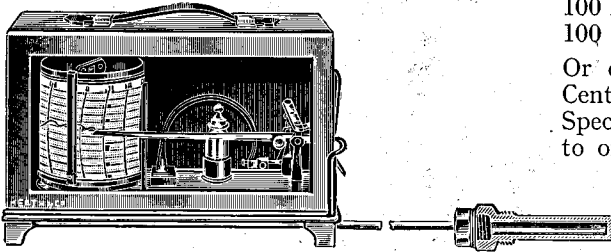
Distance Thermographs.

Usual Ranges:

- 10 + 40° Fah.
- 0 + 60° Fah.
- 0 + 120° Fah.
- 30 + 150° Fah.
- 100 + 250° Fah.
- 100 + 500° Fah.

Or equivalent in Centigrade.

Special ranges to order.



H 388.

H 388 Hezzanith Distance Thermograph, with copper cover and iron base, eight-day clock movement in drum (can be made to revolve once in 24 hours or 8 days as required); complete with 6 ft. capillary tubing and tailpiece with union fitting, 50 charts and ink. Code Word, **Hpqhi**

H 389 Ditto, but with an adjustable flange, to allow bulb to be inserted any depth in rank. Code Word, **Hpqij**

H 390 Ditto as H 388 and 389, but with two bulbs and stems, with union fittings, for recording on one chart the temperatures of two tanks or chambers. Complete with 50 charts and two different colour inks, and 6 ft. capillary tube to each bulb. Code Word, **Hpqjk**

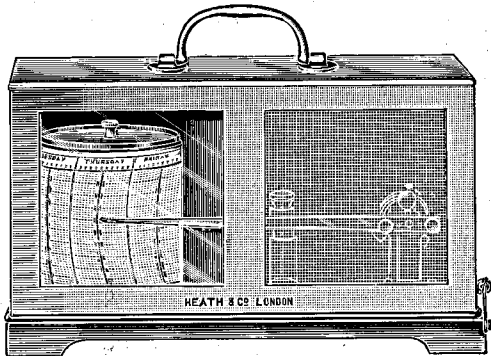
Extra Capillary Tube for above, up to 50 ft. per single ft.

H 391 Spare Charts per set of 52. Code Word, **Hpqkl**

Thermographs.

H 392 Hezzanith Thermograph, copper case, iron base, complete with 8-day clock movement in drum, charts and ink, gauze back and front to allow air to circulate freely around thermostatic coils.

Code Word, **Hpqlm**



H 392.

H 393 Spare Charts, per set of 52.

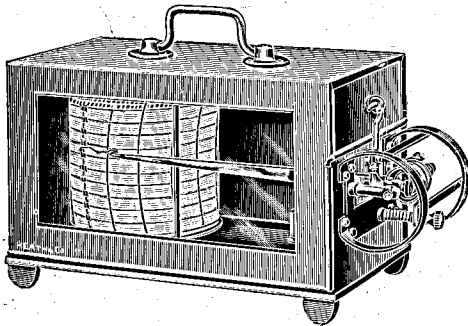
Code Word, **Hpqmn**

H 394 Hezzanith Thermograph, very sensitive, specially suitable for meteorological observers, complete with 8-day clock movement in drum, divided-on-stem thermometer, charts for summer and winter months, registering 30 plus 100° Fah. and 0 plus 70° Fah. and ink. Copper hinged cover on aluminium base.

Code Word, **Hpqno**

H 395 Spare Charts, per set of 52.

Code Word, **Hpqop**



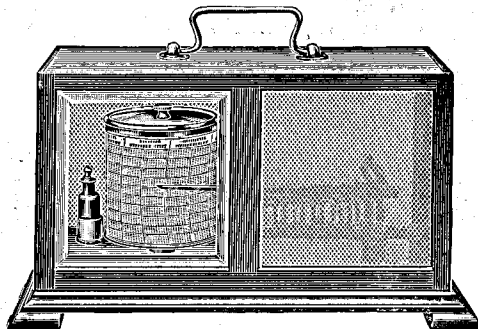
H 394.

H 396 Hezzanith Thermograph, in polished wood case, best quality movement and 8-day clock movement in drum, complete with charts and ink for one year.

Code Word, **Hqqr**

H 397 Spare Charts, per set of 52.

Code Word, **Hqrrs**

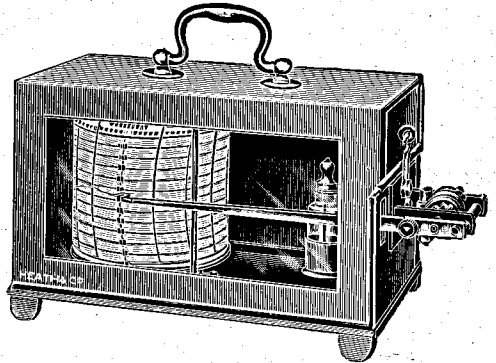


H 396.

Thermographs, etc.

H 398 Hezzanith Thermograph, in copper case with iron base, with external movement and 8-day clock movement in drum, complete with charts and ink for one year.

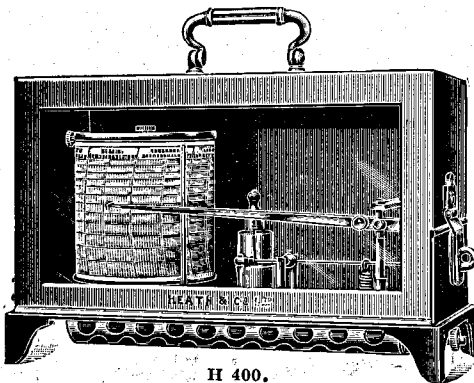
Code Word, **Hqrst**



H 398.

H 399 Spare Charts, per set of 52.

Code Word, **Hqrts**



H 400.

H 400 Hezzanith Recording Hair Hygrometer, for recording the percentage of humidity in room or chamber. Hinged copper cover and cast iron base, complete with 8-day clock movement in drum, ink and charts.

Code Word, **Hqruv**

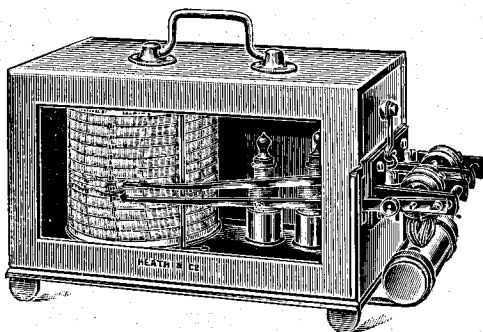
Spare Charts, per set of 52.

Code Word, **Hqrvw**

Hygrographs.

H 401 Hezzanith Hygrograph, or Wet and Dry Bulb Recording Thermometer, complete in copper case, with cast aluminium base, with 8-day clock movement in drum, two bottles of ink—red for recording dry, and blue for wet—and 50 charts.

Code Word, **Hqrxw**



H 401.

H 402 Hygrograph as above, but with hinged Japanned cover.

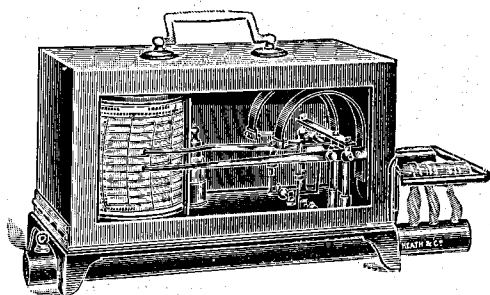
Code Word, **Hqrxv**

Spare Charts, per set of 52.

Code Word, **Hqryz**

H 403 Hezzanith Hygrograph, Factory model, cast iron base, with hinged copper cover, fitted with 8-day clock movement in drum, copper-plated steel mercury cylindrical bulbs giving very accurate wet and dry readings, complete with charts, ink and spare wicks. Charts can be supplied reading 0° plus 120° Fah., 30° plus 150° Fah., or reading 100° plus 220° Fah. (or equivalent in Cent.).

Code Word, **Hqrza**



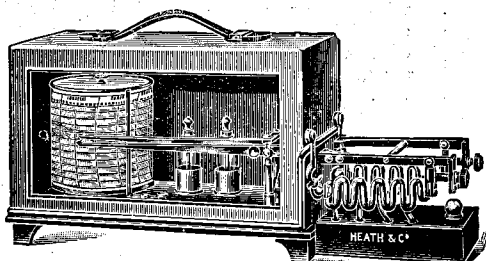
H 403.

H 404 Spare Charts, per set of 52.

Code Word, **Hqgrab**

H 405 Hezzanith Hygrograph or Hygrometer, Recording Model, copper hinged cover on cast iron base, with 8-day clock movement in drum. Large water bottle, complete with charts and ink, with spare wicks.

Code Word, **Hqrbc**



H 405.

H 406 Spare Charts, per set of 52.

Code Word, **Hqrcd**

—HEATH & Co., London, S.E.9.—

Barographs.

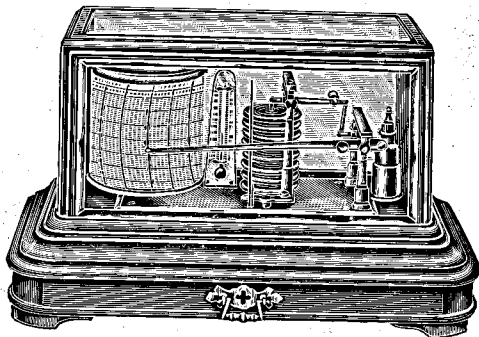
H 407 Hezzanith Barograph, in polished wood frame, with drawer for charts, plate-glass removable cover, movement with 8 vacuum chambers, and 8-day clock movement in drum, complete with ink and charts for one year.

Code Word, **Hqrde**

H 408 Spare Charts, per set of 52. Code Word, **Hqref**

H 409 Spare Charts, with gummed and perforated edge, per set of 52.

Code Word, **Hqrfg**



H 407.

H 410 Hezzanith Barograph, in polished wood frame, with sheet-glass front and back. "Hezzanith" Mark 11, double vacuum movement and 8-day clock movement in drum, with special indicating penants, as illustrated.

Code Word, **Hqrgb**

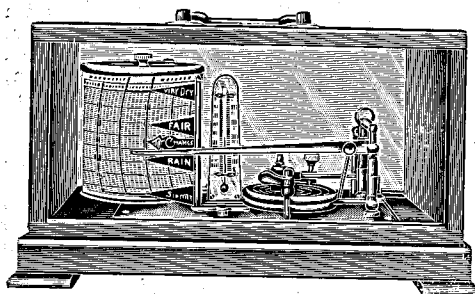
H 411 Spare Charts, per set of 52. Code Word, **Hqrhi**

H 412 Spare Charts, with gummed and perforated edge, per set of 52.

Code Word, **Hqrij**

H 413 Indicating Penants can be fitted to any Barograph if desired.

Code Word, **Hqrjk**



H 410.

H 414 Hezzanith Barograph, in polished wood frame with plate-glass removable cover, movement with 8 vacuum chambers, and 8-day clock movement in drum, with drawer for charts, complete with aneroid dial on front glass, charts for one year, and ink.

Code Word, **Hqrkl**

H 415 Spare Charts, per set of 52.

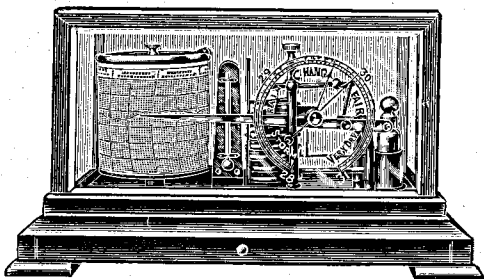
Code Word, **Hqrln**

H 416 Spare Charts, with gummed and perforated edge, per set of 52.

Code Word, **Hqrmn**

H 417 Aneroid Dial as illustrated; can be fitted to any Barograph, if desired.

Code Word, **Hqrno**



H 414.

Barographs, etc.

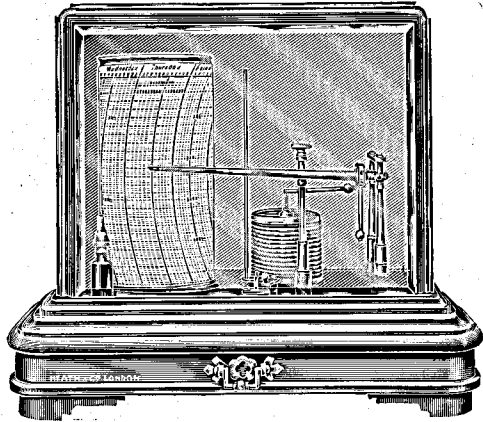
H 418 Hezzanith Micro-Barograph, in polished wood case with bevelled plate glass all round and on top, with best quality extra-sensitive vacuum chambers and 8-day clock movement in chart drum. Complete with charts and ink.

Code Word, **Hqrop**

H 419 Spare Charts for above, per packet of 52.

Code Word, **Hqrpq**

The Micro-Barograph having a Chart approximately three times higher than the ordinary Barograph Chart shows the slightest variation in atmospheric change.



H 418.

H 420 Hezzanith Ship's Barograph, in polished wood frame, with plate-glass front and ends, and drawer for charts, movement with 8 vacuum chambers and 8-day clock movement in drum. Complete with charts and ink.

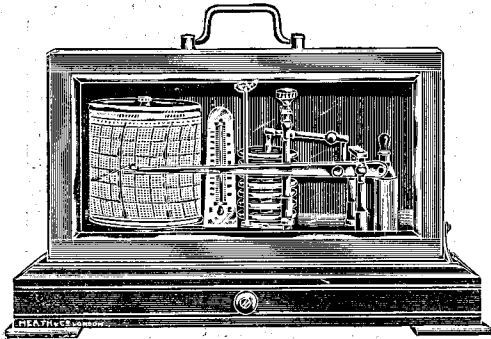
Code Word, **Hrsrs**

H 421 Spare Charts, per set of 52.

Code Word, **Hrsst**

H 422 Spare Charts, with gummed and perforated edge, per set of 52.

Code Word, **Hrstu**



H 420.

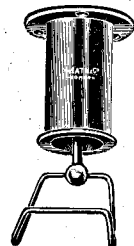
HANGER OR SUSPENDER FOR THERMOGRAPHS AND BAROGRAPHS.

H 423 Polished Brass.

Code Word, **Hrsuv**

H 424 Nickel-plated.

Code Word, **Hrsvw**



H 423.

Barometers.

Mercurial Type.



H 425.

H 425 Board of Trade Standard Marine Mercurial Barometer, in Black Metal Frame, with Thermometer. Vernier reading .002 inch. Fitted with arm and Gimbal.

Code Word, **Hrswx**

H 426 Ditto, with N.P.L. Certificate.

Code Word, **Hrsxy**

Barometers can be supplied with millibar Scale or metric Scale, if desired.

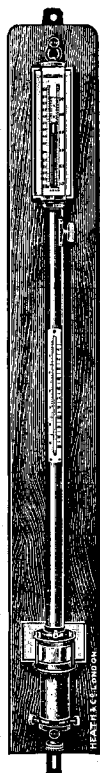
If with double Scale an extra charge is made.

H 427 Fortin's Pattern Standard Mercurial Barometer, complete, scaled inches and metric (millibars can be supplied instead of inches or metric at the same price); mounted on Polished Back with Opal Reflector, as illustrated.

Code Word, **Hrsyz**

H 428 Ditto, with N.P.L. Certificate.

Code Word, **Hrsza**



H 427.

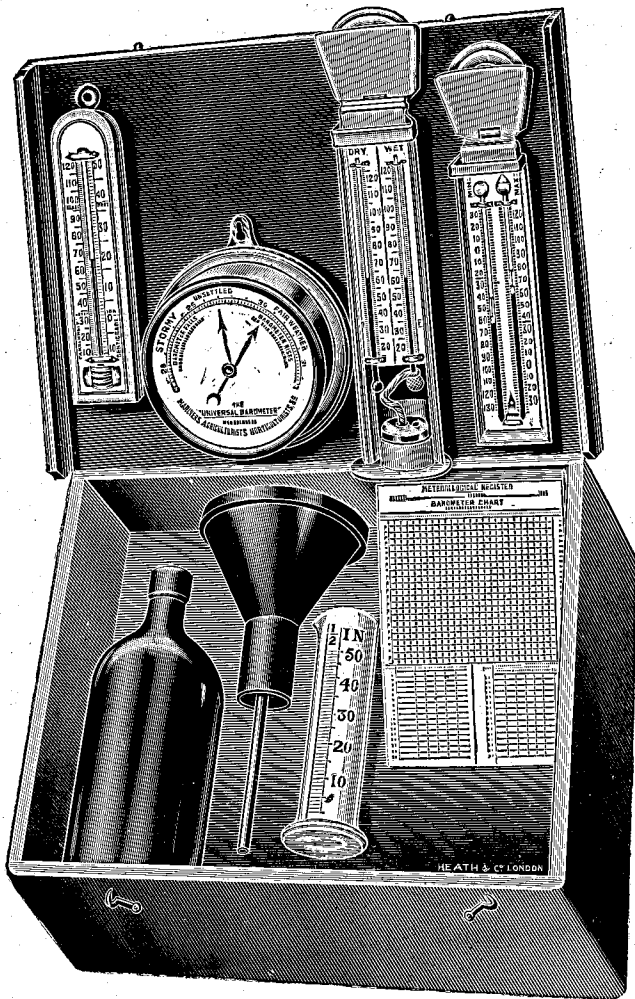
Rain Gauges.

DIRECTIONS FOR USE.

THESSE Instruments are made with 5 or 8 inch receiving funnels, and each one has a vessel for receiving the Rain Water, and a glass measure divided into hundredths of an inch for ascertaining the quantity of Rainfall.

The Gauge should be examined at a regular hour each day, and a reading taken in the following way:—Remove the funnel, and pour the Rain Water from the receiving vessel into the glass measure, which is divided to represent hundredths of an inch up to 0.50 (half-an-inch), and the quantity of rain that has fallen during the past 24 hours will be shown in hundredths of an inch; if more than half-an-inch of rain has been collected, more than one measurement is necessary. For example:—Having measured half-an-inch or 0.50, empty the glass, and fill up again from the receiving vessel, and add the result of the second measurement, which, say, is 0.08, to the half-inch previously measured; the two measurements added together will give a total Rainfall of 0.58 of an inch.

The Rain Gauge should be placed in an exposed position, free from the shelter of buildings and trees, fixed quite level, and placed about 9 inches in the ground to prevent it being blown over.

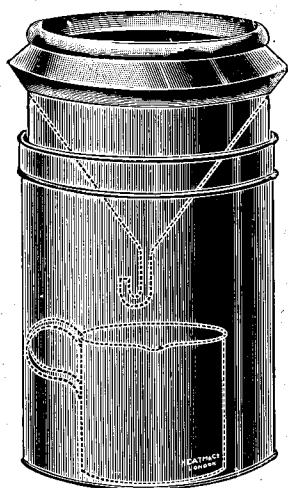


H 429.

H 429 **Hezzanith Meteorological Set**, consisting of 1 No. H 434 Howard's Rain Gauge with Glass Bottle, Funnel and $\frac{1}{2}$ " measure; Weather Chart; 5" dial, Iron Case, 2-lug Aneroid Barometer; 1 H 330 Mason's Hygrometer; 1 H 324 8" Boxwood Scale, Japanned Case, Maximum and Minimum Thermometer; and 1 H 272 8" Bevelled-edge Boxwood Thermometer, all complete in plain wood carrying case with handle. Code Word, Hrsab

HEATH & Co., London, S.E.9.

Rain Gauges.



H 430.

H 432 5" Japanned Symons Rain Gauge, complete with graduated glass measure. Code Word, Hrsde

H 433 5" Copper ditto. Code Word, Hrsef

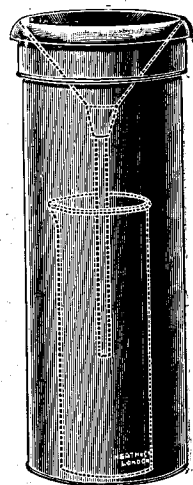


H 434.

H 434 Howard's Rain Gauge with bottle, Japanned funnel and graduated measure. Code Word, Hrsfg

H 435 Spare 5" to $\frac{1}{2}$ " Rain Gauge Glass Jars. Code Word, Hrsgh

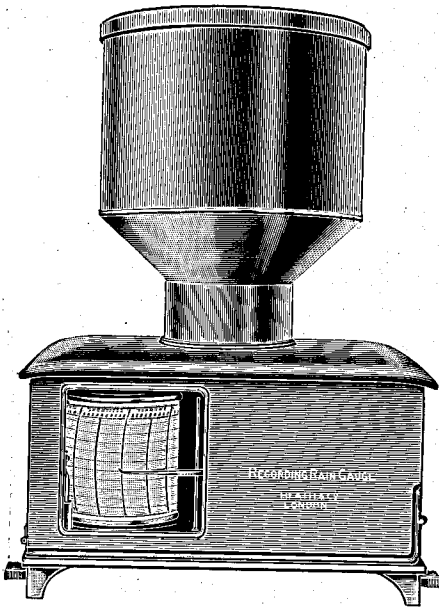
H 436 Spare 8" to $\frac{1}{2}$ " ditto. Code Word, Hrshj



H 432.

Rain Gauges.

(Recording Model)



H 437.

H 437 Self - recording Rain Gauge or Hyetograph, in Japanned Metal Case. The chart takes the record for a week; it shows one inch of rain for its entire depth, the pen starting at the top and descending as the rain falls. When the pen reaches the bottom line of chart it automatically rises to the top. Being subdivided into 1/100th parts, the precise amount of rain and exact time it occurred is recorded. Receiving funnel 8" diameter. Complete with set of charts and ink.
Code Word, **Hrsij**

H 438 Spare Charts per set of 52.
Code Word, **Hrsjk**

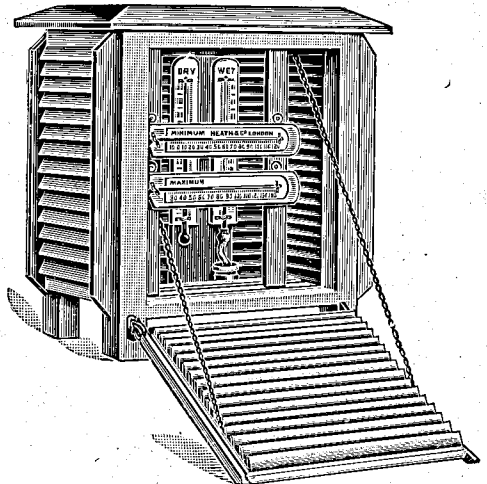
H 439

Stevenson's Screen, as illustrated, complete with:—

1 H 448 Maximum Thermometer.

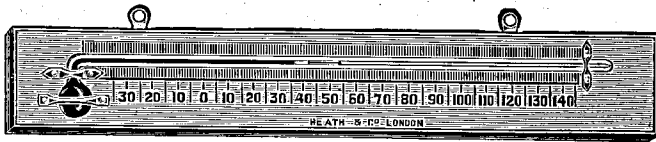
1 H 450 Minimum Thermometer.

1 H 333 Wet and Dry Bulb Thermometer. Code Word, **Hrskl**



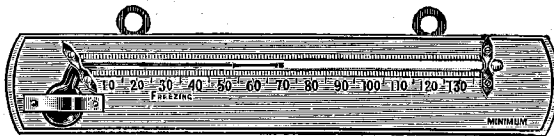
H 439.

Maximum and Minimum Thermometers.



H 440.

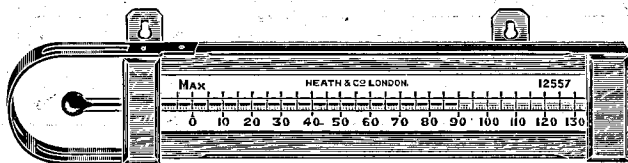
- H 440 8" Maximum Thermometer, polished Boxwood, with bevelled edges and Mercury Tube, and index, range minus 20° to plus 140° Fah. (or to order). Code Word, **Hrslm**
- H 441 10" Ditto, ditto. Code Word, **Hrsmn**
- H 442 8" Minimum Thermometer, with Red Fluid Tube, and Index. Code Word, **Hrsno**
- H 443 10" Ditto, ditto. Code Word, **Hrsop**



H 444.

- H 444 8" Maximum Thermometer, polished Boxwood with bevelled edges and elliptical ends and Mercury Tube with index, range 0° to plus 130° Fah. (or to order). Code Word, **Hrspq**
- H 445 10" Ditto, ditto. Code Word, **Hrsqr**
- H 446 8" Minimum Thermometer, ditto, with Red Fluid Tube and index. Code Word, **Hstst**
- H 447 10" Ditto, ditto. Code Word, **Hsttu**

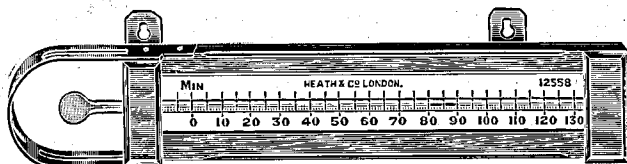
Maximum and Minimum Thermometers.



H 448.

H 448 Standard Maximum Thermometer, polished wood frame with divided-on-stem Mercury Tube, and Opal Scale. Range 0° to plus 120° Fah. (or to order), made up to pass N.P.L. tests. Code Word, **Hstuv**

H 449 Ditto, with National Physical Laboratory Certificate. Code Word, **Hstvw**

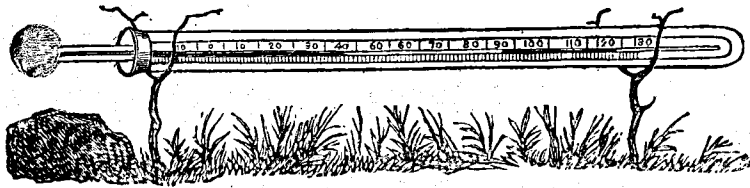


H 450.

H 450 Standard Minimum Thermometer, polished wood frame with divided-on-stem Fluid Tube with Minimum Index, and Opal Scale. Range 0° to plus 120° Fah. (or to order), made up to pass N.P.L. tests. Code Word, **Hstwx**

H 451 Ditto, with National Physical Laboratory Certificate. Code Word, **Hstxy**

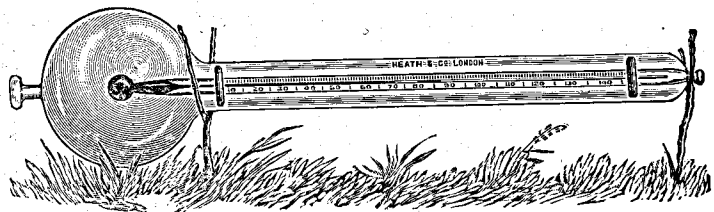
Radiation Thermometers.



H 452.

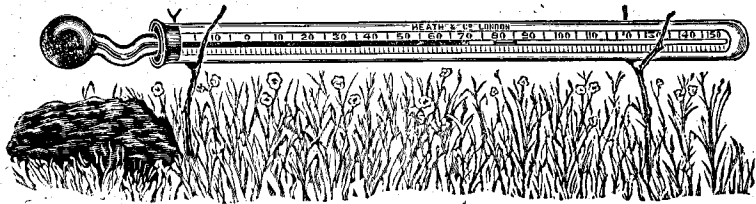
H 452 **Solar Radiation Standard Thermometer**, black bulb in open air, self-registering Maximum divided and figured-on-stem Tube. Range minus 10° to plus 130° Fah. (or to order).
Code Word, **Hstyz**

H 453 Ditto, ditto, with National Physical Laboratory Certificate.
Code Word, **Hstza**



H 454.

H 454 **Solar Radiation Standard Thermometer**, with Maximum self-registering, divided and figured-on-stem Mercury Tube, with black bulb in vacuo. Range minus 10° to plus 130° Fah. (or to order).
Code Word, **Hstab**



H 455.

H 455 **Terrestrial Radiation Standard Thermometer**, with self-registering Minimum Tube. Range minus 10° to plus 150° Fah. (or to order).
Code Word, **Hstbc**

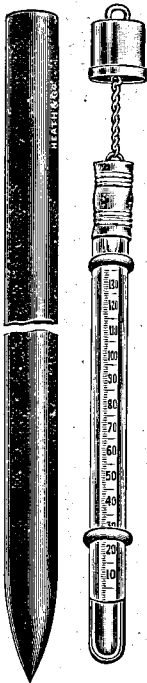
H 456 Ditto, ditto, with National Physical Laboratory Certificate.
Code Word, **Hstcd**

H 457 **Stand**, for Solar Radiation Standard Thermometer.
Code Word, **Hstde**

H 458 **Stand** for Terrestrial ditto.
Code Word, **Hstef**

HEATH & Co., London, S.E.9.

Earth Thermometers.



H 459.

H 459 Earth Thermometer, reading 10° to 130° Fah. as illustrated, with chain and cap sponder, complete with pointed iron tubing to penetrate earth 1 ft.

Code Word, **Hstfg**

H 460 Ditto, ditto, to penetrate earth 2 ft.

Code Word, **Hstgh**

H 461 Ditto, ditto, to penetrate earth 3 ft.

Code Word, **Hsthi**

H 462 Ditto, ditto, to penetrate earth 4 ft.

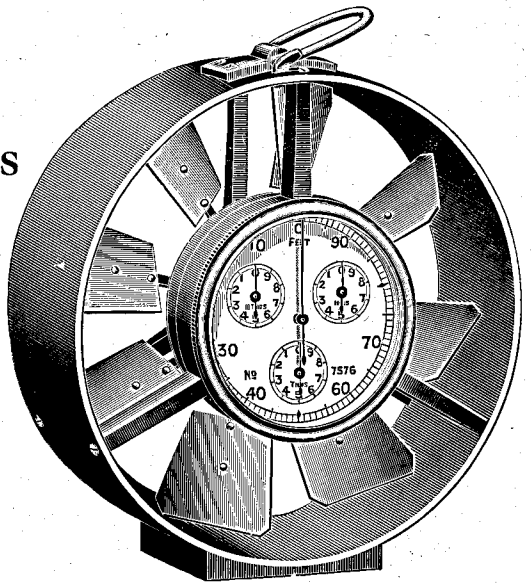
Code Word, **Hstij**

Anemometers

H 463

Biram's Pattern Anemometer, or Air Current Meter. 4" dial, 4 dials reading to 100,000 ft. For velocities from 200 up to 3,000 ft. per min. Complete in case with zero setting attachment.

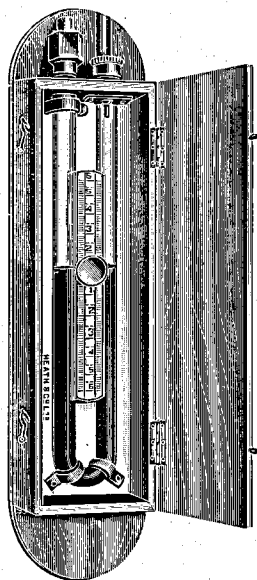
Code Word, **Hstjk**



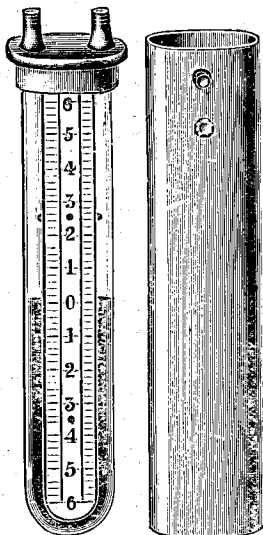
H 463.

Pressure Gauges.

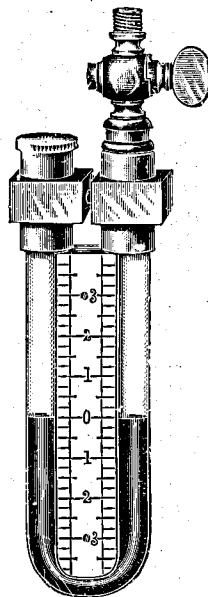
“U” Tube Type.



H 464.



H 465.



H 467.

H 464 Draught or Pressure Gauge, “U” Type, Admiralty Pattern, brass fittings, cone connection, in hard wood case, with 6” scale with 2” connection approx. $16'' \times 2\frac{3}{4}'' \times 2\frac{1}{2}''$.
Code Word, Hstkl

H 465 4” Oval Brass Case Inspector’s “U” Gauge, with spring snap, ivorine scale.
Code Word, Hstlm

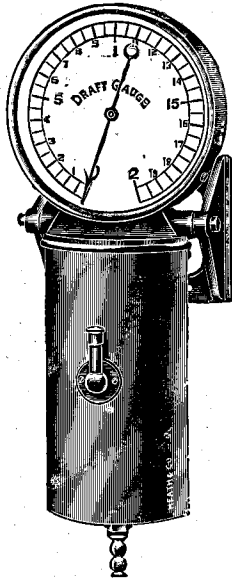
H 466 6” Ditto.
Code Word, Hstmn

H 467 4” “U” Gauge, with brass fittings and cock, ivorine scale.
Code Word, Hstno

H 468 6” Ditto.
Code Word, Hstop

H 469 8” Ditto.
Code Word, Hstpq

Pressure Gauges.



H 470.

H 470 Draught Gauge, 7" Dial Model, showing 2" water column, overall length approx. 18".

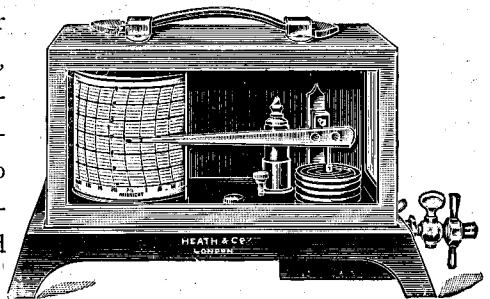
Code Word, **Hstqr**

H 471 Ditto, 1" draught, 1" pressure.

Code Word, **Hstrs**

H 472 Recording Pressure Gauge, in copper case, with iron base, 8-day clock movement in drum registering 0-6" (or to requirements), complete with charts and ink.

Code Word, **Htutu**



H 472.

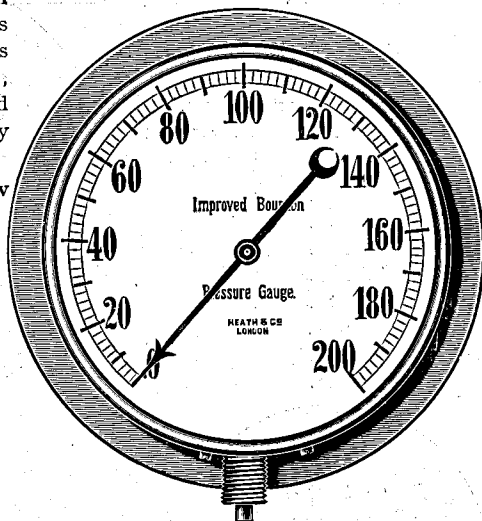
Pressure Gauges, etc.

H 473 3" Improved Bourdon Pressure Gauge in Brass Case, fitted with seamless phosphor-bronze tube, strong movement and plate-glass front, any pressure up to 250 lbs.

Code Word, **Htuuv**

		Code Word
H 474	4" Ditto.	Htuvv
H 475	5" Ditto.	Htuwx
H 476	6" Ditto.	Htuxy
H 477	7" Ditto.	Htuyz
H 478	8" Ditto.	Htuza
H 479	9" Ditto.	Htuab
H 840	10" Ditto.	Htubc
H 841	12" Ditto.	Htucd

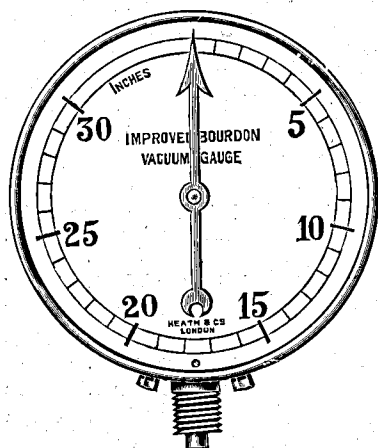
For pressures above 250 lbs., charged extra per 100 lbs.



H 473.

H 482 3" Improved Bourdon Vacuum Gauge in Brass Case, fitted with seamless phosphor bronze tube, strong movement and plate-glass.

Code Word, **Htude**



H 482.

		Code Word
H 483	4" Ditto.	Htuef
H 484	5" Ditto.	Htufg
H 485	6" Ditto.	Htugh
H 486	7" Ditto.	Htuhj
H 487	8" Ditto.	Htuij
H 488	9" Ditto.	Htujk
H 489	10" Ditto.	Htukl
H 490	12" Ditto.	Htulm

Dials of Vacuum Gauges marked in Red.

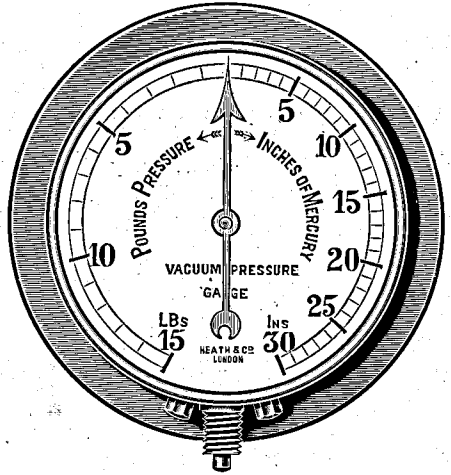
Compound Gauges, etc.

H 491 3" Improved Compound Pressure and Vacuum Gauge, in Brass Case, fitted with seamless phosphor-bronze tube, strong movement and plate glass.

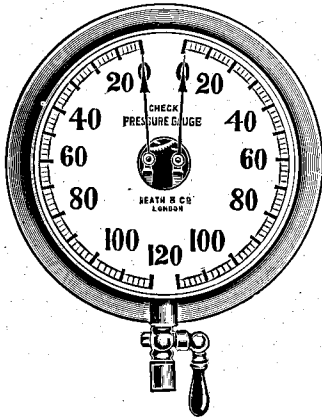
Code Word, **Htumn**

Code Word

H 492 4" Ditto. **Htuno**
H 493 5" Ditto. **Htuop**
H 494 6" Ditto. **Htupq**
H 495 7" Ditto. **Htuqr**
H 496 8" Ditto. **Hturs**
H 497 9" Ditto. **Htust**
H 498 10" Ditto. **Htutu**
H 499 12" Ditto. **Huvvw**



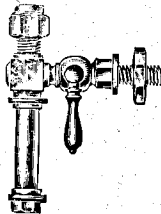
H 491.



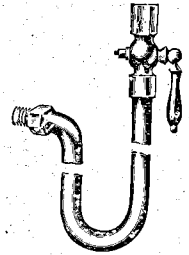
H 500.



H 507.



H 508.



H 509.

H 500 4" Improved Duplex Pressure Gauge, fitted in Brass Case with seamless phosphor-bronze tube, strong movement and plate glass, any pressure up to 1,000 lbs.

H 501 5" Ditto. Code Word, **Huvwx**
H 502 6" Ditto. Code Word, **Huvxy**
H 503 7" Ditto. Code Word, **Huvza**
H 504 8" Ditto. Code Word, **Huvab**
H 505 9" Ditto. Code Word, **Huvbc**
H 506 10" Ditto. Code Word, **Huvcd**

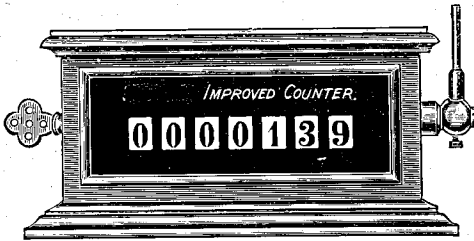
H 507 Cock and Union for Pressure or Vacuum Gauges. Code Word, **Huvde**

H 508 Pedestal Syphon and Jam Nut. Code Word, **Huvef**

H 509 Iron Syphon and Gum-metal Cock. Code Word, **Huvfg**

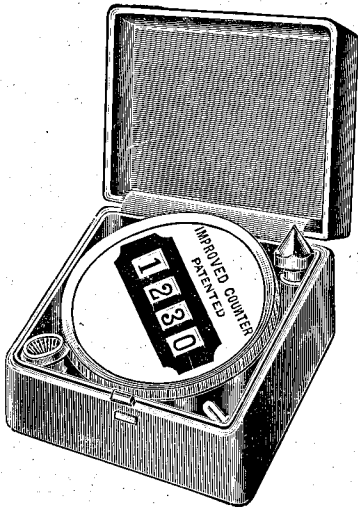
HEATH & Co., London, S.E.9.

Engine Counters, etc.

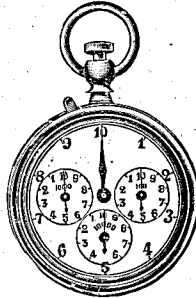


H 510.

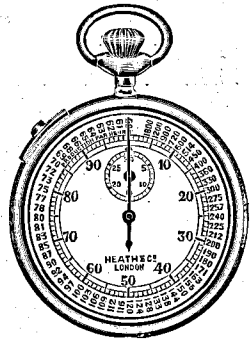
- H 510 Engine Counter, Rectangular Type, in Solid Brass Case, with $\frac{5}{8}$ " porcelain figure wheels. Code Word, **Huvgh**
 H 511 Round Type, ditto. Code Word, **Huvhi**
 H 512 Rectangular ditto, with engraved brass figure wheels. Code Word, **Huvij**
 H 513 Round ditto. Code Word, **Huvjk**



H 514.



H 516.



H 517.

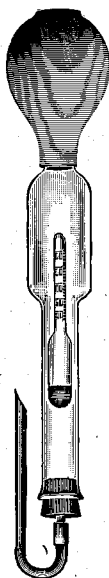
- H 514 Speedometer or Pocket Counter as illustrated, complete in Morocco Case. Code Word, **Huvkl**
 Designed for ascertaining the speed per minute of rapidly-revolving machinery.
 H 515 Tally Counter or Register, in Nickelled Case, 3-dial model, reading to 1,000. Code Word, **Huvlm**
 H 516 Ditto, 4-dial model, reading to 10,000. Code Word, **Huvln**
 H 517 Production Watch in Nickelled Case. By timing one operation, it shows at a glance how many times that operation can be performed in one hour. Invaluable to foremen, etc. Code Word, **Huvno**

HEATH & Co., London, S.E.9.

Accumulator Hydrometers.



H 518.



H 522.



H 527.

- H 518 **Accumulator Hydrometer, Glass, Flat or Bat type**, approx. 6" overall, divided every 5 degrees, 1,100 to 1,300 Specific Gravity, in card case. Code Word, **Huvop**
- H 519 Ditto, ditto, approx. 10" overall. Code Word, **Huvpq**
- H 520 Ditto, ditto, approx. 10" overall reading in single degrees, from 1,150 to 1,250 Specific Gravity. Code Word, **Huvqr**
- H 521 Ditto, ditto, approx. 12" overall. Code Word, **Huvrs**
- H 522 **Accumulator Hydrometer, Syphon Type**, with 3½" float, Hydrometer reading 1,100 to 1,300 Specific Gravity, divided every 5 with best quality rubber fittings, complete in carton. Code Word, **Hvrst**
- H 523 **Spare Hydrometer** for above, reading 1,100 to 1,300 Specific Gravity, divided every 5. Code Word, **Huvtu**
- H 524 Ditto, ditto, divided every 10. Code Word, **Hvwww**
- H 525 Ditto, ditto, reading 1,100 to 1,400 Specific Gravity, divided every 5. Code Word, **Hvwwx**
- H 526 Ditto, ditto, reading 1,150 to 1,350 Specific Gravity, divided every 5. Code Word, **Hvwxy**
- H 527 **Accumulator Hydrometer, Bead type**, with 3 beads, complete with instructions, in card case. Code Word, **Hvwyz**
- H 528 Ditto, with 2 beads. Code Word, **Hvwza**

Beaumé Hydrometers.



H 529.

- H 529 **Beaumé Hydrometer, metal**, range 0 to 50 in tin case.
Code Word, **Hvwab**



H 530.

- H 530 **Beaumé Hydrometer, glass**, for heavy liquids, paper scale, shot poised, approx. 8" overall, divided in single degrees. Range 0 to 40 or 0 to 50 degrees, in tin case.
Code Word, **Hvwbc**
- H 531 Ditto, ditto, Mercury poised. Code Word, **Hvwcd**
- H 532 Ditto, ditto, shot poised; divided in single degrees. Range 0 to 70 degrees, approx. 11" overall. Code Word, **Hvwde**
- H 533 Ditto, ditto, Mercury poised. Code Word, **Hvwef**
- H 534 Ditto, paper scale, shot poised, single degrees, double scale. Range 0 to 70 degrees and Specific Gravity 1,000 to 2,000. Approx. 11" overall, in tin case. Code Word, **Hvwfg**
- H 535 Ditto, ditto, Mercury poised. Code Word, **Hvwgh**
- H 536 **Beaumé Hydrometers, glass**, for light liquids, paper scale, Mercury poised, single degrees. Range 10 to 70 degrees, in tin cases. Approx. 11" overall. Code Word, **Hvwhi**
- H 537 Ditto, ditto, double scale, 10 to 70 degrés, and Specific Gravity 700 to 1,000. Code Word, **Hvwij**

Barktrometers and Brinometers.



H 538.

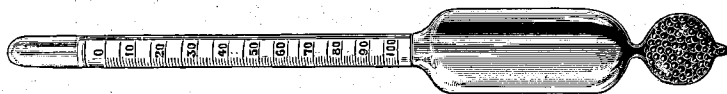
- H 538 **Barktrometers, glass, paper scale, shot poised, approx. 9" overall, divided in single degrees 0 to 60, 0 to 80, 0 to 100 or 0 to 120 degrees.** Code Word, **Hvwjk**
- H 539 **Barktrometers, as above, but Mercury poised.** Code Word, **Hvwkl**
- H 540 **Barktrometers as above, with paper scale, shot poised, approx. 9" overall, divided every 2 degrees 0 to 150, 0 to 200 or 0 to 250 degrees.** Code Word, **Hvwlm**
- H 541 **Barktrometers as above, but Mercury poised.** Code Word, **Hvwmn**



H 542.

- H 542 **Brinometers, glass, paper scale, shot poised, approx. 10" overall, reading in single degrees, 0% to 100%.** Code Word, **Hvwno**
- H 543 **Brinometers, as above but Mercury poised.** Code Word, **Hvwop**
- H 544 **Brinometers, glass, paper scale, shot poised, approx. 8" overall, reading 35 to 45 degrees twaddle.** Code Word, **Hvwppq**

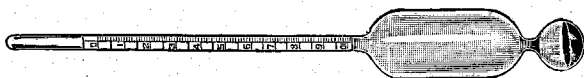
Hydrometers.



H 545.

H 545 **Bates' Saccharometer, glass, paper scale, Mercury poised.**
Range 0-100 in card case. Code Word, **Hvwqr**

H 546 **Saccharometer, glass, paper scale, Mercury poised.** Range
0-50 lbs. per barrel. Code Word, **Hvwrs**



H 547.

H 547 **Brix Hydrometer, glass, paper scale, shot poised.** Range
0 to 30% sugar content, in $\frac{1}{2}$ degrees. Approx. 10" overall,
in card case. Code Word, **Hvwst**

H 548 Ditto, range 30 to 60. Code Word, **Hvwtu**

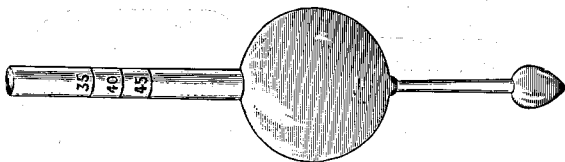
H 549 Ditto, range 60 to 90. Code Word, **Hvwuv**



H 550.

H 550 **Calcium Hydrometer, glass, double scale, per cent. of calcium
on one side, and degrees on the other.** In card case.
Code Word, **Hwxwx**

Brinometers.



H 551.

H 551 Brinometer, metal, round stem, range 35 to 50 twaddle, in tin case. Code Word, Hwxxy



H 552.

H 552 Brinometer, metal, square stem, double scale, 45-85 ozs. per gallon of Calcium Chloride and 30-60 twaddle.

Code Word, Hwxyz



H 553.

H 553 Brinometer, metal, square or round stem, reading 0 to 100%, in tin case. Code Word, Hwxza

Specific Gravity and Load Line Hydrometer.

This Hydrometer is for determining the specific gravity of the water in dock. The latest B.O.T. regulations require the specific gravity of the water in dock to be entered in the official log book before the vessel leaves port.

In this hydrometer is incorporated the usual Load Line Scale.

H 554 Metal Specific Gravity Hydrometer,
Double Scale, reading 1,000-1,040 and
.00-.25, complete in tin case.

Code Word, **Hwxab**

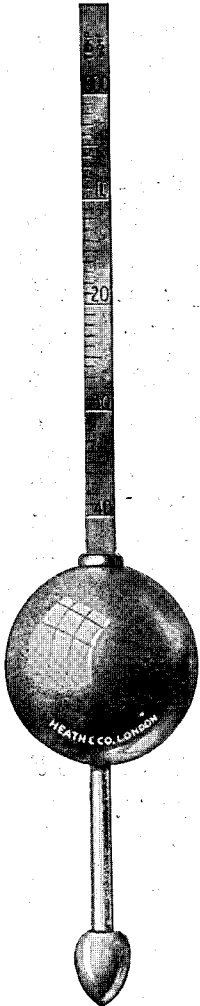
H 555 Ditto, ditto, complete with tables, in
wood box. Code Word, **Hwxbc**

H 556 Cream Testing Jar, glass, 6" × 1½",
graduated 0 to 20%.

Code Word, **Hwxcd**

H 557 Ditto, ditto, 9" × 1½", graduated 0 to
30%. Code Word, **Hwxde**

H 558 Ditto, ditto, 10" × 2", graduated 0 to
30%. Code Word, **Hwxef**



H 554.



H 556.

Hydrometers.



H 559.

H 559 Glue Per Cent. Hydrometer, glass, paper scale, approx. 12" overall, divided in single degrees 0 to 50 degs., or 0 to 60 degs., with Thermometer in cylinder. Code Word, **Hwxfg**

H 560 Glue Per Cent. Hydrometer, glass, as above, but reading in $\frac{1}{2}$ degrees 0 to 35 degs., with Thermometer in cylinder. Code Word, **Hwxgh**

H 561 Glue Per Cent. Hydrometer, glass, paper scale, approx. 14" overall, reading in single degrees 0 to 50 degs., 0 to 60 degs., or 0 to 70 degs., with Thermometer in stem so that glue per cent. and correction readings can be taken without removing Hydrometer from the liquid. Code Word, **Hwxhi**



H 562.

H 562 Latexometer, metal, conical bulb, range 980 to 1,000, in tin case. Code Word, **Hwxij**

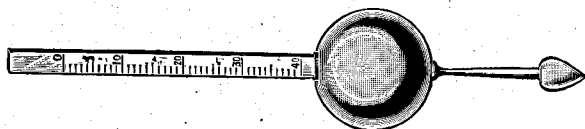
H 563 Ditto, with cylindrical bulb. Code Word, **Hwxjk**

Hydrometers.



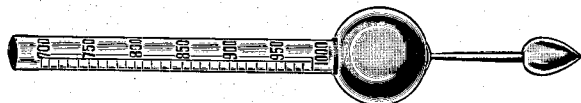
H 564.

- H 564 Lactometer, glass, paper scale, shot poised, approx. $5\frac{1}{2}$ " long, range W. 1.2.3 M., with jar. Code Word, **Hwxkl**
- H 565 Ditto, approx. 5" overall, range 0 to 40 in single degrees, with jar. Code Word, **Hwxlm**
- H 566 Ditto, as above, but without jar. Code Word, **Hwxmn**
- H 567 Ditto as above, but approx. 7" overall, without jar. Code Word, **Hwxno**
- H 568 Ditto, double scale, range 0 to 40, and W. 1.2.3 M., Ivorine scale, Mercury poised, approx. $5\frac{1}{2}$ " overall, with jar. Code Word, **Hwxop**
- H 569 Ditto, as above, but without jar. Code Word, **Hwxpq**
- H 570 Ditto, as above, but approx. 7" overall, without jar. Code Word, **Hwxqr**
- H 571 Ditto, approx. 13" overall, paper scale, shot poised. Range 20 to 40 or 25 to 40 in tenths, with Thermometer in cylinder. Code Word, **Hwxrs**



H 572.

- H 572 Lactometer, metal, with double scale, Specific Gravity and milk, in tin case. Code Word, **Hwxst**



H 573.

- H 573 Oil Fuel Hydrometer, metal, round stem, 800-1,000 Specific Gravity, in tin case. Code Word, **Hwxtu**
- Other Ranges to order.
- For Glass Oil Fuel Hydrometers, see Specific Gravity Hydrometers, page 94.



H 574.

- H 574 Proof Spirit Hydrometer, glass, for spirit 40 under proof to 60 over proof, paper scale, Mercury poised, in card case. Code Word, **Hwxuv**

Specific Gravity Hydrometers.



H 575.

H 575 Specific Gravity Hydrometer, glass, for oil, spirit, etc., approx. 9" long, paper scale, divided every 5, mercury poised. Range 700 to 1000, in card case.

Code Word, **Hwxvw**

H 576 Ditto, range 1000-1300, ditto.

Code Word, **Hxyxy**

H 577 Ditto, range 1300-1600, ditto.

Code Word, **Hxyyz**

H 578 Ditto, range 1600-1900, ditto.

Code Word, **Hxyza**

H 579 Ditto, range 1600-2000, ditto.

Code Word, **Hxyab**

H 580 Ditto, range 1000-1500, ditto.

Code Word, **Hxybc**

H 581 Ditto, range 1500-2000, ditto.

Code Word, **Hxycd**

H 582 Ditto, divided every 10 degrees, range 1000-2000.

Code Word, **Hxyde**

H 583 Ditto, approx. 6" long, cylindrical bulb, paper scale, divided in single degrees. Range 600-650, in card case.

Code Word, **Hxyef**

Code Word

H 584 650-700

Hxyfg

H 586 750-800

Hxyhi

H 588 850-900

Hxyjk

H 590 950-1000

Hxylm

H 592 1050-1100

Hxyno

H 594 1150-1200

Hxypq

H 596 1250-1300

Hxyrs

H 598 1350-1400

Hxytu

H 600 1450-1500

Hxyvw

H 602 1550-1600

Hyzyz

H 604 1650-1700

Hyzab

H 606 1750-1800

Hyzcd

H 608 1850-1900

Hyzef

H 610 1950-2000

Hyzgh

H 611 Ditto, Pear-shaped Bulb, paper scale, approx. 9" long, mercury poised, range 600-700.

Code Word, **Hyzhi**

Code Word

H 612 700-800

Hyzij

H 614 900-1000

Hyzkl

H 616 1100-1200

Hyzmn

H 618 1300-1400

Hyzop

H 620 1500-1600

Hyzqr

H 622 1700-1800

Hyzst

H 624 1900-2000

Hyzuv

Code Word

H 585 700-750

Hxygh

H 587 800-850

Hxyij

H 589 900-950

Hxykl

H 591 1000-1050

Hxymn

H 593 1100-1150

Hxyop

H 595 1200-1250

Hxyqr

H 597 1300-1350

Hxyst

H 599 1400-1450

Hxyuv

H 601 1500-1550

Hxywx

H 603 1600-1650

Hyzza

H 605 1700-1750

Hyzbc

H 607 1800-1850

Hyzde

H 609 1900-1950

Hyzfg



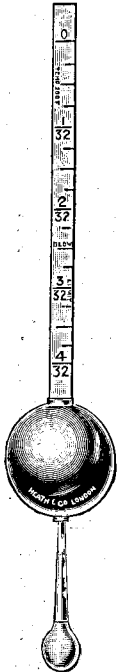
H 611.

Salinometers.

- H 625** Salinometers, Glass, Paper Scale, shot poised, approx. 9" overall, reading 0/32 to 4/32, in case. Code Word, **Hyzwv**
- H 626** Salinometers, Glass, as above with double scale, reading 0/32 to 4/32 and 0 to 20 ozs. per gallon. Code Word, **Hyzwx**
- H 627** Salinometers, Glass, shot poised, single scale, 0 to 20 ozs. per gallon. Code Word, **Hyzxy**
- H 628** Salinometers, Glass, shot poised, single scale, 0 to 5 ozs. per gallon. Code Word, **Hzaza**
- H 629** Salt Water Test Hydrometers, Glass, paper scale, shot poised, approx. 10" overall, single degrees 0 to 40. Code Word, **Hzaab**



H 625.



H 630.

Board of Trade Blow Scale Salinometer.

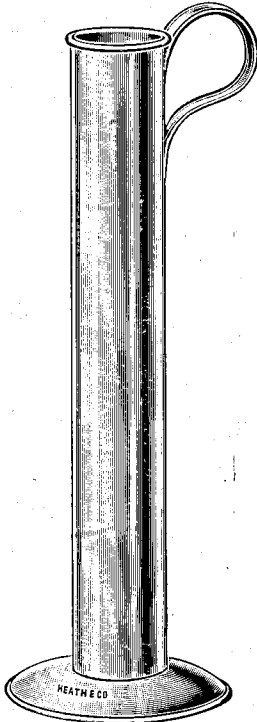
This Salinometer is for use in the engine room for obtaining the density of the boiler water.

To latest specification drawn up by the National Physical Laboratory in collaboration with the Board of Trade and the B.N.I.T.A.

- H 630** Metal "Blow Scale" Salinometer, reading 0/32 to 4/32 to the latest B.O.T. specification, in tin case.

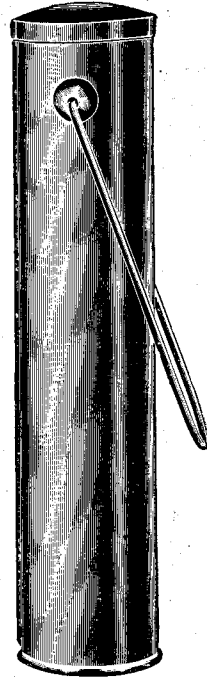
Code Word, **Hzabc**

Testing Pots and Jars.



H 631.

H 631 Salinometer Testing Pot, Copper, with fixed handle.



H 632.

H 632 Ditto, with wire handle and lid.

Code Word, **Hzacd**
Code Word, **Hzade**



H 631 to H 641.

Testing Jars (Hydrometer), Glass, as illustrated.

H 633	6" × 1".	Code Word, Hzaef
H 634	6" × 1½".	Code Word, Hzafg
H 635	7" × 1¾".	Code Word, Hzagh
H 636	8" × 2".	Code Word, Hzahi
H 637	8" × 2½".	Code Word, Hzaij
H 638	9" × 2".	Code Word, Hzajk
H 639	10" × 2".	Code Word, Hzakl
H 640	10½" × 2½".	Code Word, Hzalm
H 641	12" × 2".	Code Word, Hzamn

HEATH & Co., London, S.E.9.

Twaddle Hydrometers.



H 640.

No. 1.	Range	0 to 24°
No. 2.	,,	24 ,, 48°
No. 3.	,,	48 ,, 74°
No. 4.	,,	74 ,, 102°
No. 5.	,,	102 ,, 138°
No. 6.	,,	138 ,, 170°

H 642 Twaddle Hydrometer, glass, paper scale, shot poised, approx. 6" overall, divided in $\frac{1}{2}$ degrees. Nos. 1 to 6. (See ranges above.) Code Word, **Hzano**

H 643 Ditto, approx. 6" overall, mercury poised, Nos. 1 to 3. (See ranges above.) Code Word, **Hzaop**

H 644 Ditto, approx. 6" overall, mercury poised, Nos. 4 to 6. (See ranges above.) Code Word, **Hzapq**

H 645 Ditto, approx. 9" overall, shot poised, Nos. 1 to 6. (See ranges above.) Code Word, **Hzaqr**

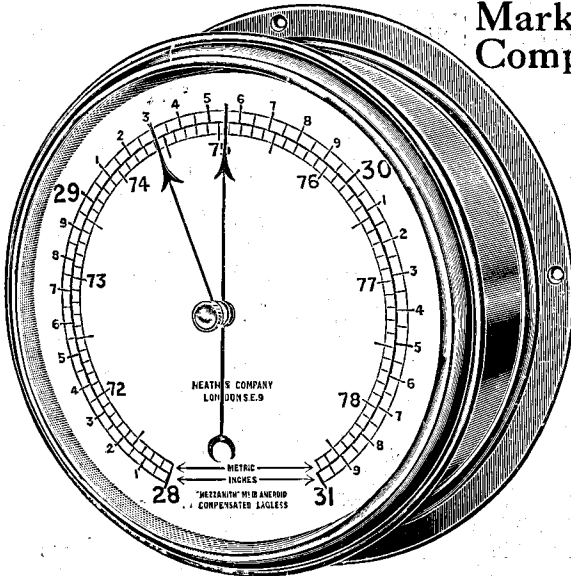
H 646 Ditto, approx. 9" overall, mercury poised, Nos. 1 to 3. (See ranges above.) Code Word, **Hzars**

H 647 Ditto, approx. 9" overall, mercury poised, Nos. 4 to 6. (See ranges above.) Code Word, **Hzast**

Mark III Hezzanith Compensated Lagless Aneroid.

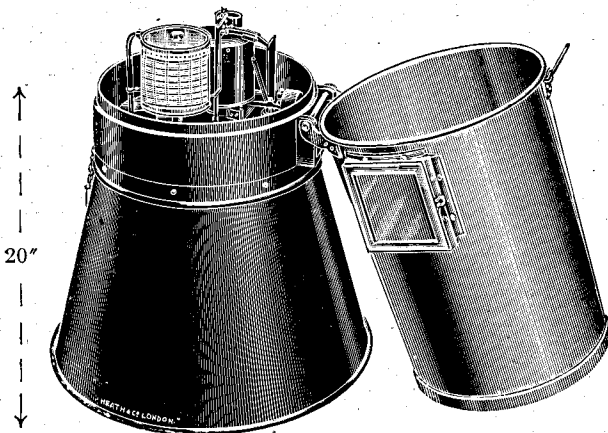
H 648

Special movement of novel design admirably suited for open range, 8-in. dial. Those countries in which the barometric pressure does not vary throughout the year more than two inches or so find these "Hezzanith" Mark III Aneroids well suited to meet their special conditions. Should the range shown in the illustration not be suitable, write us your requirements. The instrument is fitted with silvered metal dial with double scale, metric and inches, in strong brass case. Code Word, **Hzatu**



H 648.

The Recording Tilting Syphon Rain Gauge.



H 649.

H 649—Recording Tilting Syphon Rain Gauge of Meteorological Office design, is an instrument of very high precision, its sensitivity can be judged by the recording 24-hour chart, which reads one millimetre in the space of ten millimetres.

The illustration indicates the size and general arrangement of this very high-class Recording Rain Gauge. Code Word, **Hzaug**

The instrument can be supplied for measuring inches of rain instead of millimetres, and with seven-day chart instead of one-day.

—HEATH & Co., London, S.E.9.—

Sunshine Recorders.



H 650.

H 650 Sunshine Recorder, Campbell-Stokes pattern, Tropical model, Cast Iron base, highest quality sphere, adjustable for all latitudes. Complete with set of charts.

Code Word, **Hzavw**

H 651 Sunshine Recorder, Campbell Stokes pattern, British Isles model, for latitudes 35° to 65° , complete with set of charts.

Code Word, **Hzawx**



H 651.

TABLE SHOWING DEGREES TWADDLE AND THE EQUIVALENT READINGS IN SPECIFIC GRAVITY.

Degrees Twaddle	Specific Gravity.	Degrees Twaddle	Specific Gravity.	Degrees Twaddle	Specific Gravity.	Degrees Twaddle	Specific Gravity	Degrees Twaddle	Specific Gravity.
0	1.000	23	1.115	46	1.230	78	1.39	124	1.62
1	1.005	24	1.120	47	1.235	80	1.40	126	1.63
2	1.010	25	1.125	48	1.240	82	1.41	128	1.64
3	1.015	26	1.130	49	1.245	84	1.42	130	1.65
4	1.020	27	1.135	50	1.250	86	1.43	132	1.66
5	1.025	28	1.140	51	1.255	88	1.44	134	1.67
6	1.030	29	1.145	52	1.260	90	1.45	136	1.68
7	1.035	30	1.150	53	1.265	92	1.46	138	1.69
8	1.040	31	1.155	54	1.270	94	1.47	140	1.70
9	1.045	32	1.160	55	1.275	96	1.48	142	1.71
10	1.050	33	1.165	56	1.280	98	1.49	144	1.72
11	1.055	34	1.170	57	1.285	100	1.50	146	1.73
12	1.060	35	1.175	58	1.290	102	1.51	148	1.74
13	1.065	36	1.180	59	1.295	104	1.52	150	1.75
14	1.070	37	1.185	60	1.300	106	1.53	152	1.76
15	1.075	38	1.190	62	1.31	108	1.54	154	1.77
16	1.080	39	1.195	64	1.32	110	1.55	156	1.78
17	1.085	40	1.200	66	1.33	112	1.56	158	1.79
18	1.090	41	1.205	68	1.34	114	1.57	160	1.80
19	1.095	42	1.210	70	1.35	116	1.58	162	1.81
20	1.100	43	1.215	72	1.36	118	1.59	164	1.82
21	1.105	44	1.220	74	1.37	120	1.60	166	1.83
22	1.110	45	1.225	76	1.38	122	1.61	168	1.84

TABLE SHOWING DEGREES BEAUME AND THE EQUIVALENT READINGS IN SPECIFIC GRAVITY.

Degrees Beaumé.	SPECIFIC GRAVITY.		Degrees Beaumé.	SPECIFIC GRAVITY.		Degrees Beaumé.	SPECIFIC GRAVITY.	
	Liquids Heavier than Water.	Liquids Lighter than Water.		Liquids Heavier than Water.	Liquids Lighter than Water.		Liquids Heavier than Water.	Liquids Lighter than Water.
0	1.000	—	27	1.229	0.892	54	1.593	0.761
1	1.007	—	28	1.239	0.886	55	1.611	0.757
2	1.014	—	29	1.250	0.881	56	1.629	0.753
3	1.021	—	30	1.261	0.875	57	1.648	0.749
4	1.028	—	31	1.272	0.870	58	1.667	0.745
5	1.036	—	32	1.283	0.864	59	1.686	0.741
6	1.043	—	33	1.295	0.859	60	1.706	0.737
7	1.051	—	34	1.306	0.854	61	1.726	0.733
8	1.058	—	35	1.318	0.849	62	1.747	0.729
9	1.066	—	36	1.330	0.843	63	1.768	0.725
10	1.074	1.000	37	1.343	0.838	64	1.790	0.721
11	1.082	0.993	38	1.355	0.833	65	1.813	0.718
12	1.090	0.986	39	1.368	0.828	66	1.836	0.714
13	1.099	0.979	40	1.381	0.824	67	1.859	0.710
14	1.107	0.972	41	1.394	0.819	68	1.883	0.707
15	1.115	0.966	42	1.408	0.814	69	1.908	0.704
16	1.124	0.959	43	1.422	0.809	70	1.933	0.700
17	1.133	0.952	44	1.436	0.805	71	1.959	0.696
18	1.142	0.946	45	1.450	0.800	72	1.986	0.693
19	1.151	0.940	46	1.465	0.796	73	2.014	0.689
20	1.160	0.933	47	1.480	0.791	74	2.042	0.686
21	1.169	0.927	48	1.495	0.787	75	2.071	0.683
22	1.179	0.921	49	1.510	0.782	76	2.101	0.679
23	1.189	0.915	50	1.526	0.778	77	2.132	0.676
24	1.198	0.909	51	1.542	0.773	78	2.164	0.673
25	1.208	0.903	52	1.559	0.769	79	2.197	0.669
26	1.219	0.897	53	1.576	0.765	80	2.230	0.666

BAROMETRIC COMPARISON TABLES.

Inches and Millibars.

Lat. 45° Temp. 32° F.

Ins. to m b.		m b. to Ins.		m b. to Ins.	
31.0	1049.8	1050.0	31.01	970	28.65
30.9	1046.4	48.0	30.95	68	28.59
30.8	1043.0	46	30.89	66	28.53
30.7	1039.6	44	30.83	64	28.47
30.6	1036.2	42	30.77	62	28.41
30.5	1032.8	1040	30.71	960	28.35
30.4	1029.4	38	30.65	58	28.29
30.3	1026.1	36	30.59	56	28.23
30.2	1022.7	34	30.54	54	28.17
30.1	1019.3	32	30.48	52	28.11
30.0	1015.9	1030	30.42	950	28.05
29.9	1012.5	28	30.36	48	28.00
29.8	1009.1	26	30.30	46	27.94
29.7	1005.7	24	30.24	44	27.88
29.6	1002.4	22	30.18	42	27.82
29.5	999.0	1020	30.12	940	27.76
29.4	995.6	18	30.06	38	27.70
29.3	992.2	16	30.00	36	27.64
29.2	988.8	14	29.94	34	27.58
29.1	985.4	12	29.89	32	27.52
29.0	982.0	1010	29.83	930	27.46
28.9	978.6	08	29.77	28	27.40
28.8	975.3	06	29.71	26	27.35
28.7	971.9	04	29.65	24	27.29
28.6	968.5	02	29.59	22	27.23
28.5	965.1	1000	29.53	920	27.17
28.4	961.7	98	29.47	18	27.11
28.3	958.3	96	29.41	16	27.05
28.2	954.9	94	29.35		
28.1	951.6	92	29.29		
28.0	948.2	990	29.23		
27.9	944.8	88	29.17		
27.8	941.4	86	29.12		
27.7	938.0	84	29.06		
27.6	934.6	82	29.00		
27.5	931.2	980	28.94		
27.4	927.9	78	28.88		
27.3	924.5	76	28.82		
27.2	921.1	74	28.76		
27.1	917.7	72	28.70		
27.0	914.3	970	28.65		

The millibar scale has been introduced because of its universality, as it is based on the Centimetre-Gramme-Second system, and indicates the pressure instead of measuring the height of the mercury column. The unit of pressure being one dyne per square centimetre, one million dynes is called for barometrical purposes one 'bar' divided into decibars, centibars and millibars. (1 bar = 1000 m.b.)

BAROMETRIC COMPARISON TABLES.

Millimetres and Millibars. Lat. 45° Temp. 32° F.

m/m to mb.		mb to m/m.	
788	1050.7	1050	787.5
86	1048.0	48	786.0
84	1045.3	46	784.5
82	1042.6	44	783.0
780	1039.9	42	781.5
78	1037.2	1040	780.0
76	1034.5	38	778.5
74	1031.9	36	777.0
72	1029.3	34	775.5
770	1026.6	32	774.0
68	1023.8	1030	772.5
66	1021.2	28	771.0
64	1018.5	26	769.5
62	1015.9	24	768.0
760	1013.2	22	766.5
58	1010.6	1020	765.0
56	1007.9	18	763.5
54	1005.2	16	762.0
52	1002.6	14	760.5
750	999.9	12	759.0
48	997.3	1010	757.5
46	994.6	08	756.0
44	991.9	06	754.5
42	989.2	04	753.0
740	986.6	02	751.5
38	983.9	1000	750.0
36	981.2	98	748.5
34	978.6	96	747.0
32	975.9	94	745.5
730	973.2	92	744.0
28	970.5	990	742.5
26	967.9	88	741.0
24	965.2	86	739.5
22	962.5	84	738.0
720	959.9	82	736.5
18	957.2	980	735.0
16	954.5	78	733.5
14	951.9	76	732.0
12	949.2	74	730.5
710	946.5	72	729.0
08	943.9	970	727.5
06	941.2	68	726.0
04	938.5	66	724.5
02	935.9	64	723.0
700	933.3	62	721.5
98	930.6	960	720.0
96	927.9	58	718.5
94	925.2	56	717.0
92	922.6	54	715.5
690	919.9	52	714.0
		950	712.5
		48	711.0
		46	709.5
		44	708.0

For Tables for correcting Barometric readings for latitude, temperature and height above sea level, we would recommend "Meteorological Observers' Hand Book," price 5/4 post free, and "A Barometer Manual for the Use of Seamen," price 1/9 post free. Both of these Meteorological Office publications give useful descriptions and instructions in connection with meteorological instruments.

HEATH & Co., London, S.E.9.

THERMOMETER SCALES.

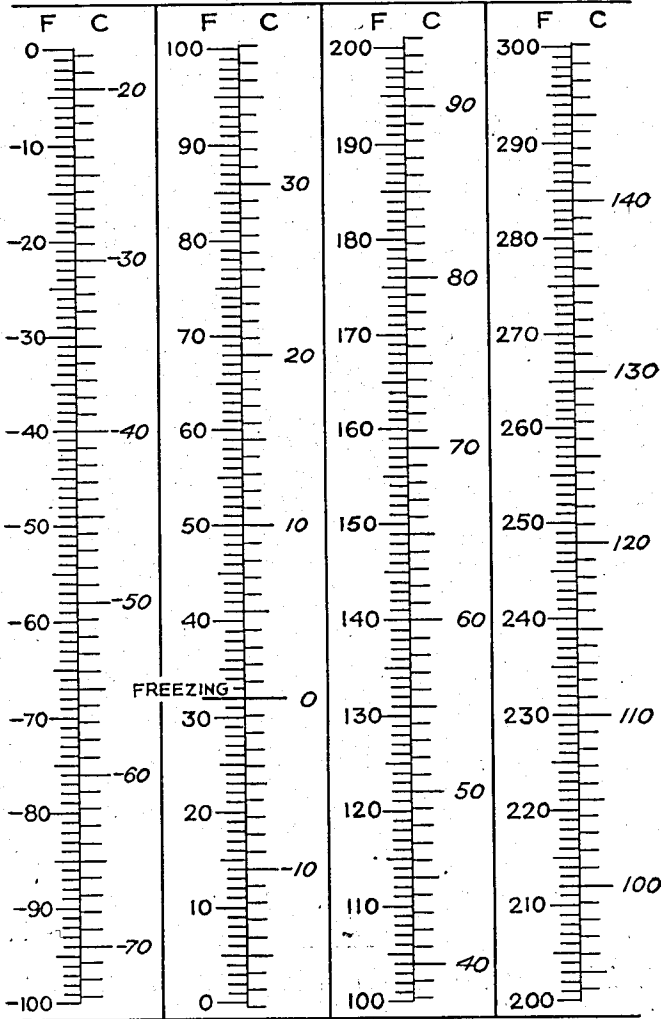
Centigrade — Absolute — Fahrenheit.

Centigrade	Absolute	Fahrenheit.
50	323	122.0
49	322	120.2
48	321	118.4
47	320	116.6
46	319	114.8
45	318	113.0
44	317	111.2
43	316	109.4
42	315	107.6
41	314	105.8
40	313	104.0
39	312	102.2
38	311	100.4
37	310	98.6
36	309	96.8
35	308	95.0
34	307	93.2
33	306	91.4
32	305	89.6
31	304	87.8
30	303	86.0
29	302	84.2
28	301	82.4
27	300	80.6
26	299	78.8
25	298	77.0
24	297	75.2
23	296	73.4
22	295	71.6
21	294	69.8
20	293	68.0
19	292	66.2
18	291	64.4
17	290	62.6
16	289	60.8
15	288	59.0
14	287	57.2
13	286	55.4
12	285	53.6
11	284	51.8
10	283	50.0
9	282	48.2
8	281	46.4
7	280	44.6
6	279	42.8
5	278	41.0
4	277	39.2
3	276	37.4
2	275	35.6
1	274	33.8
0	273	32.0
-1	272	30.2
-2	271	28.4
-3	270	26.6
-4	269	24.8
-5	268	23.0
-6	267	21.2
-7	266	19.4
-8	265	17.6
-9	264	15.8
-10	263	14.0
-11	262	12.2
-12	261	10.4

Fah. to	Absolute.
122	323.0
120	321.8
118	320.7
116	319.6
114	318.5
112	317.4
110	316.3
108	315.2
106	314.1
104	313.0
102	311.8
100	310.7
98	309.6
96	308.5
94	307.4
92	306.3
90	305.2
88	304.1
86	303.0
84	301.8
82	300.7
80	299.6
78	298.5
76	297.4
74	296.3
72	295.2
70	294.1
68	293.0
66	291.8
64	290.7
62	289.6
60	288.5
58	287.4
56	286.3
54	285.2
52	284.1
50	283.0
48	281.8
46	280.7
44	279.6
42	278.5
40	277.4
38	276.3
36	275.2
34	274.1
32	273.0
30	271.8
28	270.7
26	269.6
24	268.5
22	267.4
20	266.3
18	265.2
16	264.1
14	263.0
12	261.8
10	260.7
8	259.6
6	258.5
4	257.4
2	256.3
0	255.2
-2	254.1

The " Absolute " thermometer scale is based upon centigrade degrees but " 0a " is assumed to be absolute cold, and " 273a " is freezing point of water (0° Cent.). It is thus quite a simple matter to convert centigrade into absolute by adding 273 to the plus readings and subtracting the minus readings from 273. The absolute scale has this advantage, that there are no minus degrees throughout the whole range, which simplifies calculations.

TEMPERATURE COMPARISON SCALES.
FROM -100°F (-73°C) TO 300°F (149°C).



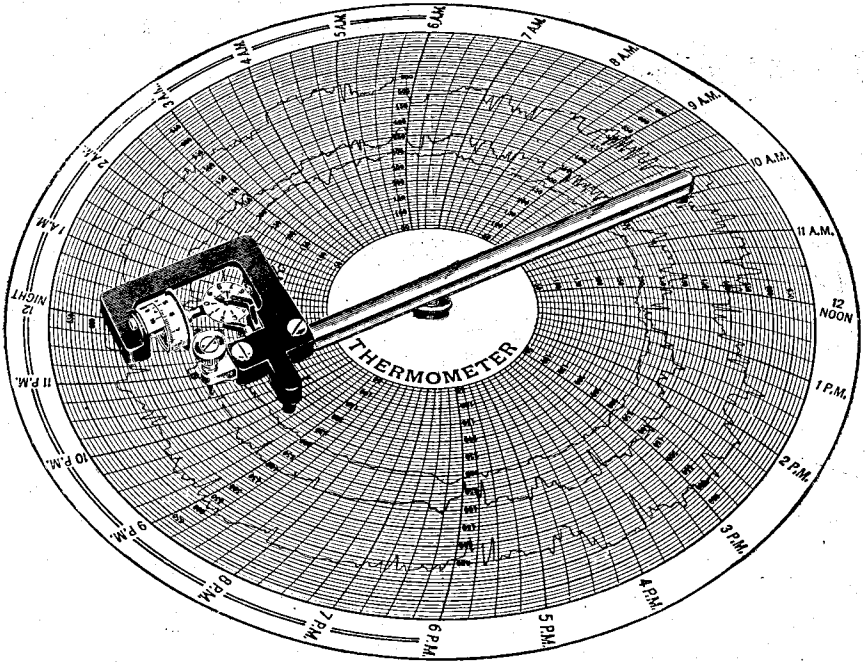
CONVERSION FORMULÆ

F TO C. $C = \frac{5}{9} (F - 32)$.

C TO F. $F = \frac{9}{5} C + 32$.

The "Allbrit" Radial Planimeter.

British Made at New Eltham Works.



This Instrument affords a very simple means of ascertaining the mean radius of Circular Chart readings of recording instruments; Temperature, Pressure, Voltage, etc.

The illustration shows the instrument measuring a temperature curve on the circular chart of a Recording Thermometer. After following this curve through the whole circle the reading of the divided drum is multiplied by .4 and the product is the mean radius in inches. This can then be easily converted on the chart into mean temperature. The mean radius of any segment of the circle can also be found quite readily if desired.

The Standard Instrument measures any circular chart *which is equally spaced* from centre-circle to circumference.

Charts with unequal spacing need special instruments for which we shall be pleased to quote on submission of a specimen chart.

H 652 Standard "Allbrit" Radial Planimeter. Complete in Case with Instructions. Code Word, **Hzaxy**

The "Bilham" Humidity Slide Rule. (Size 11" × 1½".)

H 653 The "Bilham" Humidity Slide Rule, Meteorological Office pattern, is to the design of Mr. E. G. Bilham, A.R.C.Sc., D.I.C., B.Sc. It is based on the same fundamental formulæ as the "Meteorological Office Hygrometrical Tables" and effects a saving of time in routine work at Meteorological Stations, when all the three hygrometric elements are required (vapour pressure, dewpoint and relative humidity).

It has other advantages, e.g., moisture content in grams per cubic metre can be determined; it can be used for working with an aspirated psychrometer or with a dry-and-wet-bulb thermometer in still air; various hygrometric problems can be solved very readily with this rule.

H 654 A "Tropical" model with suitably extended scales, length about 15", can be supplied. Code Word, **Hzaza**

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LIST H 1035

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RELIABILITY

HEATH & Co.

(INC. WITH W. F. STANLEY & CO. LTD.)

New Eltham, London, S.E.9.

PRICE LIST

OF

THERMOMETERS Etc.

in List "H.1035"

Page.	No.	Code Word.	Price.	Page	No.	Code Word.	Price.
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4	H 2	HABBC ...	12/3 each	9	H 43	HBCRS ... on application	
4	H 3	HABCD ...	22/- each	10	H 44	HBCST ...	19/- each
4	H 4	HABDE ...	14/3 each	10	H 45	HBCSTU ...	19/- each
4	H 5	HABEF ...	23/6 each	10	H 46	HBCUV ...	12/- each
4	H 6	HABFG ...	14/3 each	10	H 47	HBCVW ...	24/- each
4	H 7	HABGH ...	23/6 each	10	H 48	HBCWX ...	24/- each
4	H 8	HABHI ...	14/3 each	10	H 49	HBCXY ...	15/6 each
4	H 9	HABIJ ...	24/- each	11	H 50	HBCYZ ...	15/- each
4	H 10	HABJK ...	15/6 each	11	H 51	HBCZA ...	18/- each
5	H 11	HABKL ...	19/- each	11	H 52	HBCAB ...	15/- each
5	H 12	HABLM ...	11/6 each	11	H 53	HBCBD ...	8/- each
5	H 13	HABMN ...	23/6 each	11	H 54	HBCDE ...	15/- each
5	H 14	HABNO ...	14/6 each	11	H 55	HBCDF ...	8/- each
6	H 15	HABOP ...	16/6 each	11	H 56	HBCDFG ...	14/- each
6	H 16	HABPQ ...	8/6 each	11	H 57	HBCDGH ...	7/- each
6	H 17	HABQR ...	18/6 each	12	H 58	HBCDHI ...	15/- each
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6	H 19	HABST ...	20/- each	12	H 60	HBCDJK ...	17/- each
6	H 20	HABTU ...	10/6 each	12	H 61	HBCDKL ...	18/- each
6	H 21	HABUV ...	19/- each	12	H 62	HBCDLM ...	16/- each
6	H 22	HABVW ...	10/- each	12	H 63	HBCDMN ...	18/- each
6	H 23	HABWX ...	19/- each	12	H 64	HBCDNO ...	20/- each
6	H 24	HABXY ...	12/- each			If in lots of 12 or more	18/- each
7	H 25	HABYZ ...	70/- each	13	H 65	HCDOP ...	16/- each
7	H 26	HABZA ...	70/- each	13	H 66	HCDPQ ...	17/- each
7	H 27	HBCBC ...	52/6 each	13	H 67	HCDQR ...	18/- each
7	H 28	HCCCD ...	72/- each	13	H 68	HCDRS ...	19/- each
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7	H 30	HCCDF ...	55/- each	13	H 71	HCDUV ...	25/6 each
7	H 31	HBCFG ...	55/- each	14	H 72	HCDVW ...	33/6 each
7	H 32	HBCGH ...	56/- each	14	H 73	HCDWX ...	33/6 each
7	H 33	HBCHI ...	60/- each	14	H 74	HCDXY ...	33/6 each
7	H 34	HBCIJ ...	60/- each	14	H 75	HCDYZ ...	45/- each
8	H 35	HBCJK ...	18/6 each	14	H 76	HCDZA ...	6/- each
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8	H 38	HBCMN ...	14/3 each	15	H 79	HCDBC ...	16/- each
9	H 39	HBCNO ...	45/- each	15	H 81	HDBDE ...	11/- each
		If in lots of 6 or more	42/- each	15	H 81a	as H 81, but Opal Scale and Red Fluid Tube	
9	H 40	HBCOP ...	11/- each			-15+110° Fah.	11/9 each
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		If in lots of 6 or more	45/- each	15	H 83	HDBFG ...	32/6 doz.

PRICE LIST OF THERMOMETERS, ETC.

in List "H.1035"—continued.

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17	H 87	HDEHI	... on application				lots of 6 43/- each
19	H 88	HDEIJ	... 16/- each				lots of 12 41/- each
19	H 89	HDEJK	... 8/- each	19	H 109	HEFEF	Singles 47/- each
19	H 90	HDEKL	Singles 25/9 each				lots of 6 45/- each
			lots of 6 25/- each				lots of 12 43/- each
			lots of 12 24/- each	20	H 110	HEFFG	... 22/6 each
19	H 91	HDELM	Singles 26/6 each	20	H 111	HEFGH	... 22/6 each
			lots of 6 25/9 each	20	H 112	HEFHI	... 22/6 each
			lots of 12 25/- each	20	H 113	HEFIJ	... 27/6 each
19	H 92	HDEMN	Singles 26/6 each	21	H 114	HEFJK	... 28/6 each
			lots of 6 25/9 each	21	H 115	HEFKL	... 28/6 each
			lots of 12 25/- each	21	H 116	HEFLM	... 28/6 each
19	H 93	HDENO	Singles 27/3 each	21	H 117	HEFMN	... 28/6 each
			lots of 6 26/6 each	21	H 118	HEFNO	... 42/- each
			lots of 12 25/9 each	21	H 119	HEFOP	... 42/- each
19	H 94	HDEOP	Singles 27/3 each	21	H 120	HEFPQ	... 42/- each
			lots of 6 26/6 each	21	H 121	HEFQR	... 42/- each
			lots of 12 25/9 each	22	H 122	HEFRS	... 28/6 each
19	H 95	HDEPQ	Singles 28/- each	22	H 123	HEFST	... 28/6 each
			lots of 6 27/3 each	22	H 124	HEFTU	... 28/6 each
			lots of 12 26/6 each	22	H 125	HEFUV	... 36/- each
19	H 96	HDEQR	Singles 32/- each	22	H 126	HEFVW	... 36/- each
			lots of 6 31/- each	22	H 127	HEFWX	... 36/- each
			lots of 12 30/- each	22	H 128	HEFX Y	... 50/- each
19	H 97	HDERS	Singles 34/- each				If 6 or more 47/6 each
			lots of 6 33/- each	22	H 129	HEFY Z	... 50/- each
			lots of 12 32/- each				If 6 or more 47/6 each
19	H 98	HDEST	Singles 40/- each	23	H 130	HEFZA	... 25/6 each
			lots of 6 38/- each	23	H 131	HEFAB	... 25/6 each
			lots of 12 36/- each	23	H 132	HEFBC	... 38/6 each
19	H 99	HDETU	Singles 41/- each	24	H 133	HEFCD	... 38/6 each
			lots of 6 39/- each	24	H 134	HEFDE	... 38/6 each
			lots of 12 37/- each	24	H 135	HFGFG	... 6/- each
19	H 100	HDEUV	Singles 44/- each	24	H 136	HFGGH	... 6/9 each
			lots of 6 42/- each	25	H 137	HFGHI	... 28/6 each
			lots of 12 40/- each	25	H 138	HFGIJ	... 35/- each
19	H 101	HDEVW	Singles 46/- each	25	H 139	HFGJK	... 24/- each
			lots of 6 44/- each	25	H 140	HFGKL	... 21/- each
			lots of 12 42/- each	26	H 141	HFGLM	... 48/- doz.
19	H 102	HDEWX	Singles 28/- each				If without handles 45/- doz.
			lots of 6 27/3 each	26	H 142	HFGMN	... 84/- doz.
			lots of 12 26/6 each				If 1 gross lots 80/- doz.
19	H 103	HDEXY	Singles 29/- each	26	H 143	HFGNO	... 98/- doz.
			lots of 6 28/- each				If 1 gross lots 93/6 doz.
			lots of 12 27/3 each	26	H 144	HFGPQ	... 108/- doz.
19	H 104	HDEYZ	Singles 33/- each				If 1 gross lots 105/- doz.
			lots of 6 32/- each	26	H 145	HFGPQ	... 48/- doz.
			lots of 12 31/- each				If without handles 45/- doz.
19	H 105	HDEZA	Singles 35/- each	26	H 146	HFGQR	... 95/- doz.
			lots of 6 34/- each	26	H 147	HFGRS	... 105/- doz.
			lots of 12 33/- each	26	H 148	HFGST	... 16/6 each
19	H 106	HDEAB	Singles 41/- each				If in lots of 3 15/- each
			lots of 6 39/- each	27	H 149	HFGTU	... 21/- each
			lots of 12 37/- each	27	H 150	HFGUV	... 21/9 each
19	H 107	HDEBC	Singles 43/- each	27	H 151	HFGVW	... 22/9 each
			lots of 6 41/- each	27	H 152	HFGWX	... 28/- each
			lots of 12 39/6 each	27	H 153	HFGXY	... 33/6 each

PRICE LIST OF THERMOMETERS, ETC.

in List "H.1035"—continued.

Page.	No.	Code Word.	Price.	Page.	No.	Code Word.	Price.
28	H 154	HFGYZ ...	8/3 each	33	H 210	HUIEF ...	6/- each
28	H 155	HFGZA ...	8" 11/6 doz.	33	H 211	HUIFG ...	9/- each
			10" 13/- doz.	33	H 212	HUIGH ...	4/- each
			12" 14/6 doz.	34	H 213	HUIIJ ...	28/- doz.
28	H 156	HFGAB ...	28/- doz.	34	H 214	HUIJK ...	32/6 doz.
28	H 157	HFGBC ...	8/- each	34	H 215	HUIKL ...	38/6 doz.
29	H 158	HFGCD ...	98/- doz.	34	H 216	HUILM ...	45/- doz.
29	H 159	HFGDE ...	106/- doz.	34	H 217	HUIMN ...	35/- doz.
29	H 160	HFGEF ...	115/- doz.	34	H 218	HUIJO ...	39/6 doz.
29	H 161	HGHGH ...	50/- each	34	H 219	HUIOP ...	49/6 doz.
29	H 162	HGHHI ...	55/- each	34	H 220	HUIPQ ...	57/- doz.
29	H 163	HGHJJ ...	63/- each	34	H 221	HUIQR ...	45/- doz.
29	H 164	HGHJK ...	71/6 each	34	H 222	HUIRS ...	49/6 doz.
29	H 165	HGHKL ...	15/- each	34	H 223	HUIST ...	57/- doz.
29	H 166	HGHLM ...	20/- each	34	H 224	HUI TU ...	65/- doz.
30	H 167	HGHMN ...	30/- doz.	35	H 225	HUIUV ...	34/6 doz.
30	H 168	HGHNO ...	32/6 doz.	35	H 226	HUIVW ...	38/6 doz.
30	H 169	HGHOP ...	32/6 doz.	35	H 227	HUIWX ...	48/- doz.
30	H 170	HGH PQ ...	32/6 doz.	35	H 228	HUIXY ...	58/6 doz.
30	H 171	HGHQR ...	33/6 doz.	35	H 229	HUIYZ ...	45/- doz.
30	H 172	HGHRS ...	33/6 doz.	35	H 230	HUIZA ...	49/6 doz.
30	H 173	HGHST ...	35/- doz.	35	H 231	HUIAB ...	57/- doz.
30	H 174	HGH TU ...	36/6 doz.	35	H 232	HUIBC ...	68/6 doz.
30	H 175	HGHUV ...	36/6 doz.	35	H 233	HUIDE ...	32/- doz.
30	H 176	HGHVW ...	38/- doz.	35	H 234	HUIJD ...	38/6 doz.
30	H 177	HGH WX ...	40/- doz.	35	H 235	HUIEF ...	46/6 doz.
30	H 178	HGHXY ...	42/6 doz.	35	H 236	HUIFG ...	55/- doz.
30	H 179	HGHYZ ...	45/- doz.	35	H 237	HUIGH ...	38/6 doz.
30	H 180	HGHZA ...	47/6 doz.	35	H 238	HUIHI ...	44/- doz.
30	H 181	HGHAB ...	52/6 doz.	35	H 239	HUIJK ...	52/6 doz.
30	H 182	HGHBC ...	82/- doz.	35	H 240	HUIKL ...	64/- doz.
30	H 183	HGHCD ...	23/6 each	35	H 241	HUIKLM ...	13/9 each
31	H 184	HGHDE ...	57/6 doz.	35	H 242	HUIKMN ...	12/9 each
31	H 185	HGH EF ...	65/- doz.	35	H 243	HUIKNO ...	12/9 each
31	H 186	HGHFG ...	65/- doz.	36	H 244	HUIKOP ...	28/- doz.
31	H 187	HGH HI ...	65/- doz.	36	H 245	HUIK PQ ...	32/6 doz.
31	H 188	HGHJJ ...	66/- doz.	36	H 246	HUIKQR ...	37/9 doz.
31	H 189	HGHJK ...	66/- doz.	36	H 247	HUIKRS ...	34/6 doz.
31	H 190	HGHKL ...	70/- doz.	36	H 248	HUIKST ...	38/6 doz.
31	H 191	HGHLM ...	71/6 doz.	36	H 249	HUIK TU ...	48/6 doz.
31	H 192	HGHMN ...	76/6 doz.	36	H 250	HUIKUV ...	discontinued
31	H 193	HGHNO ...	78/- doz.	36	H 251	HUIK V W ...	13/- doz.
31	H 194	HGHOP ...	80/- doz.	36	H 252	HUIKWX ...	14/6 doz.
31	H 195	HGH PQ ...	82/6 doz.	36	H 253	HUIKXY ...	17/- doz.
31	H 196	HGHQR ...	85/- doz.	37	H 254	HUIKYZ ...	£10 10 0 each
31	H 197	HGHRS ...	87/6 doz.	37	H 255	HUIKZA ...	£11 11 0 each
31	H 198	HGHST ...	92/6 doz.	37	H 256	HUIKAB ...	35/- each
31	H 199	HGH TU ...	125/- doz.	37	H 257	HUIKBC ...	£15 0 0 each
31	H 200	HGHUV ...	35/- each	37	H 258	HUIKCD ...	8/2 each
32	H 201	HGHVW ...	8/- each	37	H 259	HUIKDE ...	47/6 each
32	H 202	HGH WX ...	4/- each	38	H 260	HUIKEF ...	on application
32	H 203	HGHXY ...	8/6 each	38	H 261	HUIKEG ...	10/6 each
32	H 204	HGHYZ ...	4/- each	38	H 262	HUIKGH ...	12/6 each
32	H 205	HGHZA ...	14/- each	38	H 263	HUIKHI ...	11/6 each
32	H 206	HGHAB ...	5/- each	38	H 264	HUIKIJ ...	13/6 each
33	H 207	HGHBC ...	15/6 each	39	H 265	HUIK KL ...	13/6 each
33	H 208	HGHCD ...	7/6 each	39	H 266	HUIKLM ...	on application
33	H 209	HGHDE ...	11/6 each	39	H 267	HUIKMN ...	35/- each

PRICE LIST OF THERMOMETERS, ETC.
in List "H.1035"—continued.

Page.	No.	Code Word.	Price.	Page.	No.	Code Word.	Price.
40	H 268	HKLNO ...	8/9 each	49	H 320	HMNQ ...	11/6 each
40	H 269	HKLQP ...	8/9 each	49	H 321	HMNQR ...	14/- each
40	H 270	HKLQK ...	41/- doz.	49	H 322	HMNRS ...	9/6 each
40	H 271	HKLQR ...	39/6 doz.	49	H 323	HMNST ...	12/6 each
40	H 272	HKLRS ...	43/- doz.	49	H 324	HMNUT ...	6/6 each
40	H 273	HKLST ...	23/6 doz.	49	H 325	HMNUV ...	92/6 doz.
40	H 274	HKLTV ...	32/- doz.	49	H 326	HMNWV ...	105/- doz.
40	H 275	HKLUV ...	16/- doz.	49	H 327	HMNWX ...	120/- doz.
40	H 276	HKLWV ...	23/- doz.	49	H 328	HMNXY ...	134/- doz.
40	H 277	HKLWX ...	33/- doz.	49	H 329	HMNYZ ...	32/6 each
41	H 278	HKLXY ...	30/- each	50	H 330	HMNZA ...	8/6 each
41	H 279	HKLZY ...	56/- doz.	50	H 331	HMNAB ...	9/6 each
41	H 280	HKLZA ...	90/- doz.	50	H 332	HMNBC ...	12/6 each
41	H 281	HKLAB ...	90/- doz.	50	H 333	HMNCD ...	9/- each
41	H 282	HKLBC ...	65/- doz.	50	H 334	HMNDE ...	10/- each
41	H 282a	as H 282 but Red Fluid Tube	60/- doz.	50	H 335	HMNEF ...	13/- each
41	H 283	HKLCD ...	75/- doz.	50	H 336	HMNFG ...	20/- each
41	H 283a	as H 283 but Red Fluid Tube	70/- doz.	51	H 337	HMNGH ...	19/6 each
42	H 284	HKLDE ...	55/- doz.	51	H 338	HMNHI ...	18/- each
		If double Scale	63/- doz.	51	H 339	HMNII ...	21/- each
42	H 285	HKLEF ...	39/6 doz.	51	H 340	HMNJK ...	24/- each
42	H 286	HKLFG ...	41/- doz.	52	H 341	HMNKL ...	45/- each
42	H 287	HKLGH ...	65/- doz.	52	H 342	HMNLM ...	£25 0 0 each
42	H 288	HKLHI ...	46/6 doz.	53	H 343	HMNNO ...	£7 5 0 each
42	H 289	HKLII ...	41/- doz.	53	H 344	HNOOP ...	£7 18 0 each
42	H 290	HKLJK ...	40/- doz.	53	H 345	HNOQK ...	£8 5 0 each
43	H 291	HLMLM ...	40/- each	Extra Capillary Tubing above 10 ft. 3/- per ft.			
43	H 292	HLMMN ...	35/- each	53	HNOQR ...	on application	
43	H 293	HLMNO ...	51/6 doz.	53	HNORS ...	on application	
43	H 294	HLNOP ...	28/- doz.	53	HNOTU ...	on application	
43	H 295	HLMPQ ...	34/- doz.	53	HNOUV ...	on application	
43	H 296	HLMPR ...	26/6 doz.	53	HNOVW ...	on application	
43	H 297	HLMRS ...	34/6 doz.	54	H 346	HNOWX ...	£7 18 0 each
43	H 298	HLMST ...	22/9 doz.	54	H 347	HNOXY ...	£7 18 0 each
44	H 299	HLMTU ...	21/6 each	Extra stem per 6 ins. 7/-			
44	H 300	HLMUV ...	18/- each	54	H 348	HNOYZ ...	£8 17 6 each
44	H 301	HLMVW ...	10/9 each	54	H 349	HNOZA ...	£9 9 0 each
44	H 302	HLMWX ...	14/- each	54	H 350	HNOAB ...	on application
45	H 303	HLMYX ...	68/- each	55	H 351	HNOBC ...	£7 18 0 each
45	H 304	HLMYZ ...	71/6 each	55	H 352	HNOCD ...	48/6 each
45	H 305	HLMZA ...	83/6 each	56	H 353	HNODE ...	50/- each
45	H 306	HLMAB ...	97/9 each	56	H 354	HNOEF ...	40/- each
45	H 307	HLNBC ...	26/6 each	57	H 355	HNOFG ...	£8 17 6 each
45	H 308	HLMCD ...	30/- each	57	H 356	HNOGH ...	£8 5 0 each
45	H 309	HLMDE ...	35/9 each	57	H 357	HNOHI ...	£9 0 0 each
45	H 310	HLMEF ...	21/- each	57	H 358	HNOIJ ...	£10 0 0 each
45	H 311	HLMEG ...	25/- each	58	H 359	HNOJK ...	35/- each
45	H 312	HLMGH ...	30/- each	58	H 360	HNOKL ...	45/- each
46	H 313	HLMHI ...	60/- each	58	H 361	HNOLM ...	38/- each
46	H 314	HLMIJ ...	46/6 each	58	H 362	HNOMN ...	50/- each
46	H 315	HLMIK ...	55/- each	58	H 363	HNOPO ...	£8 2 6 each
47	H 316	HLMKL ...	70/- each	58	H 364	HNOQP ...	£8 10 0 each
47	H 317	HLMMN ...	39/6 each	59	H 365	HNOQR ...	75/- each
48	H 318	HLMNO ...	40/- each	59	H 366	HNORS ...	75/- each
		If in 1 doz. lots	30/- each	59	H 367	HNOST ...	60/- each
48	H 319	HMNOP ...	19/6 each	60	H 368	HNOU ...	£17 17 0 each
				60		HNOV ...	11/6 per ft.

PRICE LIST OF THERMOMETERS, ETC.

in List "H.1035"—continued.

Page.	No.	Code Word.	Price.	Page.	No.	Code Word.	Price.
60	H 369	HOPVV	£23 0 0 each	68	H 403	HQRYZ	£25 10 0 each
60		HOPWX	£6 10 0 per ft.	69	H 404	HQRAB	... 9/- per set
60		HOPXY	... 9/- each	69	H 405	HQRBC	£24 5 0 each
60		HOPYZ	... 3/- per yd.	69	H 406	HQRCD	... 9/- per set
61	H 370	HOPZA	£19 0 0 each	70	H 407	HQRDE	£10 10 0 each
61		HOPAB	... 11/6 per ft.	70	H 408	HQREF	... 4/- per set
61	H 371	HOPBC	£25 10 0 each	70	H 409	HQRFG	... 7/6 per set
61		HOPCD	£6 10 0 per ft.	70	H 410	HQRGH	£10 0 0 each
61		HOPDE	... 3/- per yd.	70	H 411	HQRHI	... 4/- per set
62	H 372	HOPEF	£36 0 0 each	70	H 412	HQRJ	... 7/6 per set
62	H 373	HOPFG	£50 0 0 each	70	H 413	HQRJK	... 15/- extra
62	H 374	HOPGH	£65 0 0 each	70	H 414	HQRKL	£10 15 0 each
62		HOPHI	... 11/6 per ft.	70	H 415	HQRLM	... 4/- per set
62	H 375	HOPIJ	£54 0 0 each	70	H 416	HQRMN	... 7/6 per set
62	H 376	HOPJK	£85 0 0 each	70	H 417	HQRNO	... 33/6 extra
62	H 377	HOPKL	£118 0 0 each	71	H 418	HQROP	£22 0 0 each
62		HOPLM	£6 12 6 per ft.	71	H 419	HQRPO	... 11/- per set
62		HOPMN	... 3/- per yd.	71	H 420	HRSR	£9 15 0 each
63	H 378	HOPNO	£37 0 0 each	71	H 421	HRST	... 4/- per set
63	H 379	HPQPO	£54 0 0 each	71	H 422	HRSTU	... 7/6 per set
63	H 380	HPQQR	£70 0 0 each	71	H 423	HRSTV	... 21/- each
63		HPQRS	... 1/4 per yd.	71	H 424	HRSTW	... 26/- each
63	H 381	HPQST	... 70/- each	72	H 425	HRSTX	£8 10 0 each
64	H 382	HPQTU	} £53 0 0 each	72	H 426	HRSTY	... on application
with	H 383	HPQUV			72	H 427	HRSTZ	£16 10 0 each
64		HPQVW	... 11/6 per ft.	72	H 428	HRSA	£19 10 0 each
64	H 382	HPQTV	} £61 10 0 each	74	H 429	HRBAB	... on application
with	H 384	HPQWX			75	H 430	HRBAC	... 15/6 each
64		HPQXY	£6 12 6 per ft.	75	H 431	HRBCD	... 32/6 each
64	H 385	HPQYZ	... 14/- per 100	75	H 432	HRBDE	... 10/- each
65	H 386	HPQZA	£20 0 0 each	75	H 433	HRBEF	... 15/- each
		Extra Capillary tubing	3/- per ft.	75	H 434	HRBFG	... 8/6 each
65		HPQAB	—	75	H 435	HRBGH	... 2/6 each
65		HPQBC	—	75	H 436	HRBHI	... 3/- each
65		HPQCD	—	76	H 437	HRBIJ	£19 19 0 each
65		HPQDE	—	76	H 438	HRBJK	... 10/- each
65		HPQEF	—	76	H 439	HRBLK	£10 10 0 each
65		HPQFG	—	77	H 440	HRBLM	... 9/- each
65	H 387	HPQGH	... 70/- per 150	77	H 441	HRBMN	... 10/6 each
66	H 388	HPQHI	£17 0 0 each	77	H 442	HRBNO	... 3/- each
66	H 389	HPQIJ	£17 0 0 each	77	H 443	HRBOP	... 3/6 each
66	H 390	HPQJK	£25 10 0 each	77	H 444	HRBQ	... 10/- each
		Extra Capillary Tubing	6/6 per ft.	77	H 445	HRBQR	... 11/6 each
66	H 391	HPQKL	... 9/- per set	77	H 446	HRBST	... 3/6 each
67	H 392	HPQLM	£9 0 0 each	77	H 447	HRSTU	... 4/3 each
67	H 393	HPQMN	... 6/- per set	78	H 448	HRSTV	... 30/- each
67	H 394	HPQNO	£10 15 0 each	78	H 449	HRSTW	... 38/6 each
67	H 395	HPQOP	... 9/- per set	78	H 450	HRSTX	... 30/- each
67	H 396	HPQR	£9 15 0 each	78	H 451	HRSTY	... 38/6 each
67	H 397	HPQRS	... 6/- per set	79	H 452	HRSTZ	... 27/6 each
68	H 398	HRST	£9 10 0 each	79	H 453	HRTA	... 41/- each
68	H 399	HPRTU	... 9/- per set	79	H 454	HRTAB	... 40/- each
68	H 400	HRUV	£10 15 0 each	79	H 455	HRTBC	... 27/- each
68		HPRVV	Spare Charts	79	H 456	HRTCD	... 35/- each
			9/- per set	79	H 457	HRTDE	... 13/- each
68	H 401	HRWX	£16 0 0 each	79	H 458	HRTEF	... 13/6 each
68	H 402	HPRXY	£15 15 0 each	80	H 459	HRTFG	... on application
		Spare Charts	9/- per set	80	H 460	HRTH	... on application

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in List "H.1035"—continued.

Page.	No.	Code Word.	Price.	Page.	No.	Code Word.	Price.
80	H 461	HSTHI ... on application		84	H 507	HUVDE ...	4/6 each
80	H 462	HSTIJ ... on application					6/- each
80	H 463	HSTJK ...	£5 15 0 each	84	H 508	HUVEF ... on application	
81	H 464	HSTKL ...	30/- each	84	H 509	HUVFG ... on application	
81	H 465	HSTLM ...	11/- each	85	H 510	HUVGH ...	£9 0 0 each
81	H 466	HSTMN ...	13/- each	85	H 511	HUVHI ...	£9 0 0 each
81	H 467	HSTNO ...	18/6 each	85	H 512	HUVIJ ...	£8 10 0 each.
81	H 468	HSTOP ...	22/- each	85	H 513	HUVJK ...	£8 10 0 each
81	H 469	HSTPQ ...	26/- each	85	H 514	HUVKL ...	65/- each
82	H 470	HSTQR ...	£7 15 0 each	85	H 515	HUVLM ... on application	
82	H 471	HSTRS ...	£7 15 0 each	85	H 516	HUVMN ... on application	
82	H 472	HSTTU ...	£16 0 0 each	85	H 517	HUVNO ...	45/- each
83	H 473	HUVUV Singles	15/9 each	86	H 518	HUVOP ...	3/3 each
		If 3 at a time	15/- each	86	H 519	HUVPQ ...	3/6 each
		If 12 at a time	14/6 each	86	H 520	HUVQR ...	4/3 each
83	H 474	HUVVW Singles	17/- each	86	H 521	HUVRS ...	5/3 each
		If 3 at a time	16/6 each	86	H 522	HUVST ...	5/3 each
		If 12 at a time	15/6 each	86	H 523	HUVTU ...	2/- each
83	H 475	HUVWX Singles	19/- each	86	H 524	HUVVW ...	2/- each
		If 3 at a time	18/6 each	86	H 525	HUVWX ...	2/- each
		If 12 at a time	17/3 each	86	H 526	HUVXY ...	2/- each
83	H 476	HUVXY Singles	21/- each	86	H 527	HUVYZ ... on application	
		If 3 at a time	20/- each	86	H 528	HVWZA ... on application	
		If 12 at a time	19/- each	87	H 529	HVWAB ...	18/- each
		If 3 at If 12 at		87	H 530	HVWBC ...	3/- each
		Singles a time a time		87	H 531	HVWCD ...	3/- each
		each each each		87	H 532	HVWDE ...	3/6 each
83	H 477	HUVYZ ...	23/- 22/6 21/-	87	H 533	HVWEF ...	4/- each
83	H 478	HVUZA ...	33/- 32/6 30/-	87	H 534	HVWFG ...	5/- each
83	H 479	HVUAB ...	44/- 42/6 40/-	87	H 535	HVWGH ...	5/6 each
83	H 480	HVUBC ...	50/- 49/- 45/-	87	H 536	HVWHI ...	4/- each
83	H 481	HVUCD ...	65/- 64/- 60/-	87	H 537	HVWIJ ...	5/- each
83	H 482	HVUDE ...	15/9 15/- 14/6	88	H 538	HVWJK ...	4/- each
83	H 483	HVUEF ...	17/- 16/6 15/6	88	H 539	HVWKL ...	5/- each
83	H 484	HVUFG ...	19/- 18/6 17/-	88	H 540	HVWLM ...	5/- each
83	H 485	HVUGH ...	21/- 20/- 19/-	88	H 541	HVWMN ...	5/6 each
83	H 486	HVUHI ...	23/- 22/6 21/-	88	H 542	HVWNO ...	4/- each
83	H 487	HVUIJ ...	33/- 32/6 30/-	88	H 543	HVWOP ...	5/- each
83	H 488	HVUJK ...	44/- 42/6 40/-	88	H 544	HVWPQ ...	2/6 each
83	H 489	HVUKL ...	50/- 49/- 45/-	89	H 545	HVWQR ... on application	
83	H 490	HVULM ...	65/- 64/- 60/-	89	H 546	HVWRS ...	5/- each
84	H 491	HVUMN ...	19/6 18/6 17/6	89	H 547	HVWST ...	5/- each
84	H 492	HVUNO ...	21/- 20/- 19/-	89	H 548	HVWTU ...	5/- each
84	H 493	HVUOP ...	22/6 22/- 21/-	89	H 549	HVWUV ...	5/- each
84	H 494	HVUPQ ...	25/- 24/- 22/6	89	H 550	HVWXW ...	12/- each
84	H 495	HVUQR ...	27/6 27/- 25/6	90	H 551	HVXXY ...	8/- each
84	H 496	HVURS ...	38/- 37/- 34/6	90	H 552	HVXYZ ...	21/- each
84	H 497	HVUST ...	49/- 48/- 44/-	90	H 553	HVXZA ...	18/- each
84	H 498	HUVUV ...	55/- 54/- 50/-	91	H 554	HVXAB ...	12/- each
84	H 499	HUVVW ...	70/- 68/6 64/-	91	H 555	HVXBC ...	15/- each
84	H 500	HUVWX ...	70/- each	91	H 556	HVXCD ...	17/6 doz.
84	H 501	HUVXY ...	72/- each	91	H 557	HVXDE ...	26/- doz.
84	H 502	HUVYZ ...	74/- each	91	H 558	HVXEF ...	26/- doz.
84	H 503	HUVZA ...	80/- each	92	H 559	HVXFG ...	14/- each
84	H 504	HUVAB ... on application		92	H 560	HVXGH ...	14/- each
84	H 505	HUVBC ... on application		92	H 561	HVXHI ...	15/- each
84	H 506	HUVCD ... on application		92	H 562	HVXIJ ...	24/- each
				92	H 563	HVXJK ...	24/- each

PRICE LIST OF THERMOMETERS, ETC.

in List "H.1035"—continued.

Page.	No.	Code Word.	Price.	Page.	No.	Code Word.	Price.
93	H 564	HWXXL ...	3/- each	94	H 610	HYZGH ...	4/- each
93	H 565	HWXLM ...	3/- each	94	H 611	HYZHI ...	5/- each
93	H 566	HWXMN ...	2/6 each	94	H 612	HYZIJ ...	5/- each
93	H 567	HWXNO ...	3/- each	94	H 613	HYZJK ...	5/- each
93	H 568	HWXOP ...	4/9 each	94	H 614	HYZKL ...	5/- each
93	H 569	HWXPQ ...	4/- each	94	H 615	HYZLM ...	5/- each
93	H 570	HWXQR ...	5/- each	94	H 616	HYZMN ...	5/- each
93	H 571	HWXRS ...	14/- each	94	H 617	HYZNO ...	5/- each
93	H 572	HWXST ...	17/- each	94	H 618	HYZOP ...	5/- each
93	H 573	HWXTU ...	21/- each	94	H 619	HYZPQ ...	5/- each
93	H 574	HWXUV ...	4/- each	94	H 620	HYZQR ...	5/- each
94	H 575	HWXVW ...	5/- each	94	H 621	HYZRS ...	5/- each
94	H 576	HXYXY ...	5/- each	94	H 622	HYZST ...	5/- each
94	H 577	HXYYZ ...	5/- each	94	H 623	HYZTU ...	5/- each
94	H 578	HXYZA ...	5/- each	94	H 624	HYZUV ...	5/- each
94	H 579	HXYAB ...	5/- each	95	H 625	HYZVW ...	2/- each
94	H 580	HXYBC ...	5/- each	95	H 626	HYZWX ...	3/3 each
94	H 581	HXYCD ...	5/- each	95	H 627	HYZXY ...	3/6 each
94	H 582	HXYDE ...	5/- each	95	H 628	HZA'A ...	4/- each
94	H 583	HXYEF ...	3/- each	95	H 629	HZ'AB ...	5/- each
94	H 584	HXYFG ...	3/- each	95	H 630	HZABC ...	12/- each
94	H 585	HXYGH ...	3/- each	96	H 631	HZACD ...	5/6 each
94	H 586	HXYHI ...	3/- each	96	H 632	HZADE ...	6/- each
94	H 587	HXYIJ ...	3/- each	96	H 633	HZAEF ...	1/6 each
94	H 588	HXYJK ...	3/- each	96	H 634	HZAFG ...	1/8 each
94	H 589	HXYKL ...	3/- each	96	H 635	HZAGH ...	1/10 each
94	H 590	HXYLM ...	3/- each	96	H 636	HZAHH ...	2/- each
94	H 591	HXYMN ...	3/6 each	96	H 637	HZAIJ ...	2/2 each
94	H 592	HXYNO ...	3/6 each	96	H 638	HZAJK ...	2/4 each
94	H 593	HXYOP ...	3/6 each	96	H 639	HZAKL ...	2/6 each
94	H 594	HXYPQ ...	3/6 each	96	H 640	HZALM ...	2/8 each
94	H 595	HXYQR ...	3/6 each	96	H 641	HZAMN ...	2/10 each
94	H 596	HXYRS ...	3/6 each	97	H 642	HZANO ...	2/6 each
94	H 597	HXYST ...	3/6 each	97	H 643	HZAOP ...	3/- each
94	H 598	HXYTU ...	3/6 each	97	H 644	HZAPQ ...	3/6 each
94	H 599	HXYUV ...	3/6 each	97	H 645	HZAQR ...	2/6 each
94	H 600	HXYVW ...	3/6 each	97	H 646	HZARS ...	3/- each
94	H 601	HXYWX ...	3/6 each	97	H 647	HZAST ...	3/6 each
94	H 602	HYZYZ ...	3/6 each	98	H 648	HZATU ...	£6 15 0 each
94	H 603	HYZZA ...	3/6 each	98	H 649	HZAVU ...	... on application
94	H 604	HYZAB ...	3/6 each	99	H 650	HZAVW ...	... on application
94	H 605	HYZBC ...	3/6 each	99	H 651	HZAWX ...	... on application
94	H 606	HYZCD ...	3/6 each	108	H 652	HZAXY ...	... on application
94	H 607	HYZDE ...	3/6 each	108	H 653	HZAYZ on application
94	H 608	HYZEF ...	4/- each	108	H 654	HZAZA on application
94	H 609	HYZFG ...	4/- each				

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