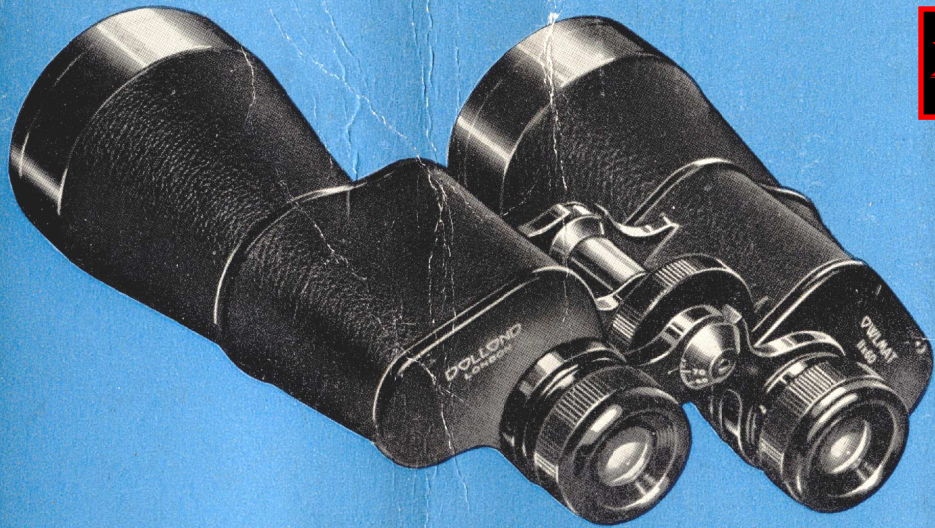
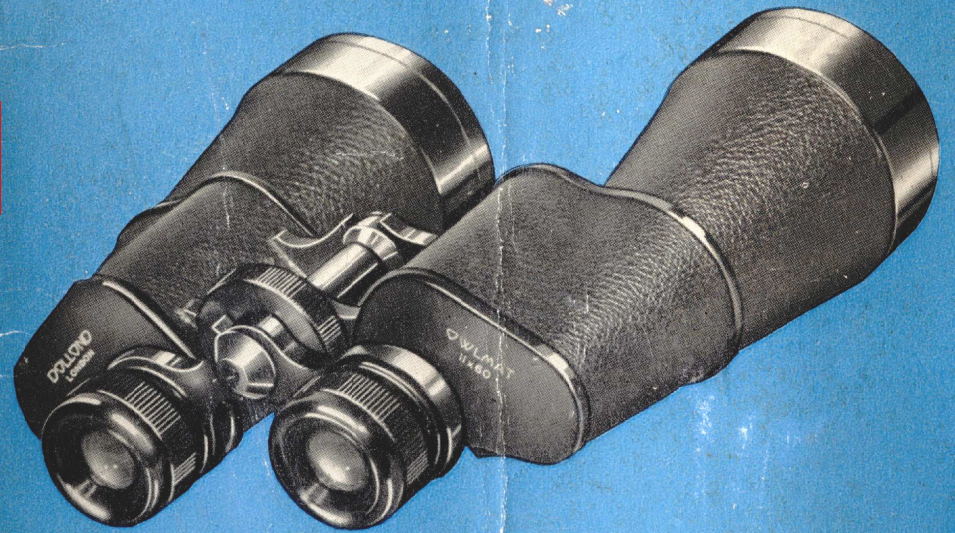


TELESCOPES AND
BINOCULARS



MB

Dollonds



FOR BINOCULARS

Dollonds

Two Centuries of Optical Progress

IN 1750 John Dollond opened a small optical workshop for his son Peter in Vine Street, Spitalfields and two years later he joined him at 'The Sign of the Golden Spectacles' in the Strand. Since that time, over two hundred years ago, the House of Dollond has continued to advance and today the name is synonymous with all that is best in optical equipment.

In the early days of the Company's history, John Dollond's work in connection with achromatic lenses won world-wide recognition. The telescope of those days was a very imperfect instrument. In use, distant objects were not sharply defined and were surrounded by colour fringes. In the previous century Sir Isaac Newton had stated that it was impossible to obtain colour-free images of objects by lenses alone, and such was the weight of his authority that this statement went unquestioned for nearly a century. The public was resigned to what they considered were the inherent defects of telescopes. John Dollond after a series of experiments showed that Newton had been mistaken in his conclusions and in 1758 read an account of his work to the Royal Society for which he received its highest award—the Copley Medal.

In the years that followed, Dollonds made many fine telescopes, one of them, a 5-inch, went to Yale University and until 1838 was the largest instrument of its kind in America. In 1805 Lord Nelson purchased a Dollond Telescope before he embarked for the last time, and the Duke of Wellington used to speak of the advantage which the excellence of Dollond's glasses gave him over the French generals.

In 1927 Dollond & Co. amalgamated with Aitchison & Co. to become known as Dollond & Aitchison Ltd. Branches continued to multiply in London and throughout the provinces and today the name of Dollond & Aitchison is probably one of the best known in optics.

Over two hundred years of continuous trading is an achievement of which we are very proud. Looking back through some of the earlier records of the Company we find evidence of that scrupulous fairness in dealing, that attention to detail and the ability to keep abreast of each new development as it came along which made that achievement possible.

It is a far cry from that first little workshop in Spitalfields. We look forward to the future with confidence and hope that for generations to come there will always be a Dollond branch to welcome your enquiries, and its staff of experts to deal with them.

MB



JOHN DOLLOND, F.R.S.

Born 1706
Founder of the House of Dollond and Inventor
of the Achromatic Telescope
From an Original in the possession of the Firm

Extract from "Admirals All" by Sir Henry Newbolt:—

Splinters were flying above, below,
When Nelson sailed the Sound:
"Mark you, I wouldn't be elsewhere now,"
Said he, "for a thousand pound!"
The Admiral's signal bade him fly,
But he wickedly wagged his head:
He clapped his glass to his sightless eye,
And "I'm damned if I see it!" he said.

DOLLONDS

Established 1750

LONDON

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- HUDDERSFIELD: 15 King Street. Tel.: Huddersfield 5925
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- LEEDS: 37 Bond Street. Tel.: Leeds 25106
55 The Headrow. Tel.: Leeds 25717
- LIVERPOOL: 71 Bold Street. Tel.: Royal 1882
65-67 Dale Street. Tel.: Central 6711
- MANCHESTER: 95-97 Deansgate. Tel.: Blackfriars 8897
- MIDDLESBROUGH: 25 Linthorpe Road. Tel.: M'boro. 3388
- NEWPORT (Mon.): 43 Commercial Street. Tel.: Newport 63603
- NORTHAMPTON: 63 Abington Street. Tel.: Northampton 1744
6 Mercers Row. Tel.: Northampton 1892
- PETTS WOOD: 12 Chatsworth Parade. Tel.: Orpington 23250
- RAMSGATE: 32 Queen Street. Tel.: Thanet 53027
- ST. ALBANS: 30 Market Place. Tel.: St. Albans 53893
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- SOUTHAMPTON: 59-61 New Road, Six Dials. Tel.: S'hampton 22150
- SWANSEA: 34 Castle Street. Tel.: Swansea 54420
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- WATFORD: 197 St. Albans Road. Tel.: Watford 29867
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All enquires for trade terms or agency contracts should be addressed to our Wholesale Department

DOLLOND & AITCHISON
LIMITED



TRADE MARK

LOOK FOR THE OWL
IN THE WINDOW

DOLLONDS



SOME GENERAL POINTS EXPLAINED

EVERY BINOCULAR is supplied with a case, in almost every instance this is high quality leather, and the glass itself has a lanyard attached. The separate Price Sheet with this catalogue includes these items in the price of every binocular.

THERE IS NO PURCHASE TAX ON BINOCULARS, only on the case, and this amounts to a very small part of the total cost.

BINOCULARS ON APPROVAL. On payment of the full cash price we shall be glad to supply any instrument in this catalogue on seven days' approval. If it is not satisfactory, and is returned within seven days, this payment will be refunded in full.

EASY PAYMENTS. Every instrument in this catalogue over £10 is available through our EASY PAYMENT facilities. Inside the back cover we give an explanation and example of our terms.

Facing these you will see, on page 36, an Order Form, with the list of Branch addresses repeated for quick reference on page 35. Why not part exchange your present camera or binoculars for a new model?

POWERS OF BINOCULARS. The power of a binocular does not necessarily determine its price. A binocular with a magnification of 7 and an object glass diameter of 50mm. will normally cost more than one with a power of 8 and an object glass diameter of, say, 30mm. This is because the larger object glass diameter has a greater light-gathering power and such a glass is more expensive to make and can "see" better in poor light.

COATED LENSES. This special treatment of the lenses in a binocular is fully explained on page 25.

FOCUSING. Most binoculars have centre wheel focusing with one adjustable eyepiece so that any difference between the vision of the left and right eye may be corrected and the adjustable eyecup may thus be left in the "corrected" position. It is thus not necessary for the owner to keep making this adjustment, only for instance if someone else has used the glass. Markings help you to remember your personal setting of the eyecup and it is a good idea to memorise this and to check it from time to time.

"BENDING BAR". This construction of a binocular allows the user to adjust the distance between the eyepieces to suit the separation of the eyes which varies from person to person.

PRICES are on the separate sheet enclosed.

ILLUSTRATIONS. The illustrations shown are not to the same scale, and therefore do not indicate the relative size of the binoculars.

SELECTING A BINOCULAR

It is important to understand the way in which prismatic binoculars are designated. Such figures as '8×30' for example, will usually be found in the description of a binocular. '8×' is the magnifying power and means that the subject is viewed eight times its normal size: '30' indicates that the Object Glass (the lens *farthest* from the eye) is 30mm. in diameter. This influences the brilliance of the picture and the field of view. A 7×50 binocular would give a brighter image than one marked 7×30.

Although prismatic binoculars are used for many different purposes, they fall roughly into three categories:—(1) Racing, Touring and general purposes; (2) Bird watching and naturalist work; (3) Marine use.

1. Racing, Touring and General Purposes

The type most generally used is one having a magnification of 7 or 8 with an object glass of 30mm. The 8×30 is probably the most popular, its power is suitable, its light value is adequate and it is portable and light in weight. Because of the lower magnification, the image seen through an 8× glass is steadier than that obtained with a glass of higher power, and the former is sometimes preferred on that account.

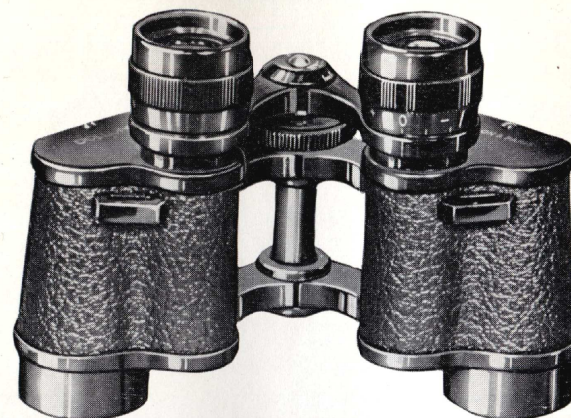
Many racegoers are prepared to sacrifice some field of view and light value to obtain the advantages that a more powerful glass will give them, notably the ability to pick out colours at a greater distance than is ordinarily possible. The most popular models in these cases are the 9×40 and 11×60.

2. Bird Watching and Naturalist Work

Bird watching is a study that has many thousands of devotees. Because of varying conditions, two types of binoculars are in demand: (a) a glass with the highest practicable light transmission, e.g. a 7×50, and (b) a glass with the highest magnification that can successfully be held in the hand, e.g. a 9×40, 10×50, or an 11×60. It should be explained that the higher the magnification of a glass, the lower is the light value and vice versa. In other words the image seen through a 7×50 binocular is almost twice as bright as that seen through a 10×50.

3. Marine Use

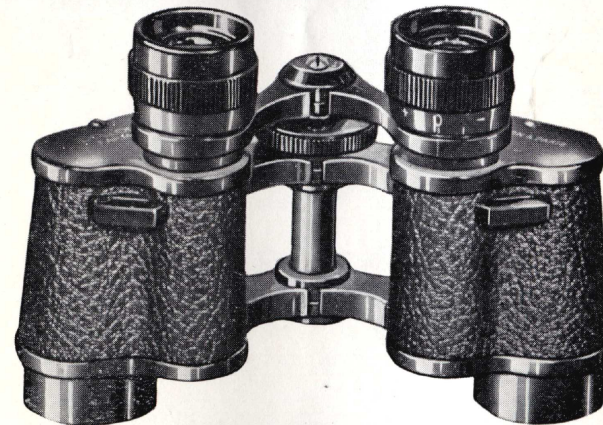
The class of binoculars most generally used at sea is the 7×50. For many years the 6×30 was the standard British naval glass and it was superseded by the 7×50 which, because of its high light gathering power, can be used in misty conditions and at night.



8×25 DOLLOND

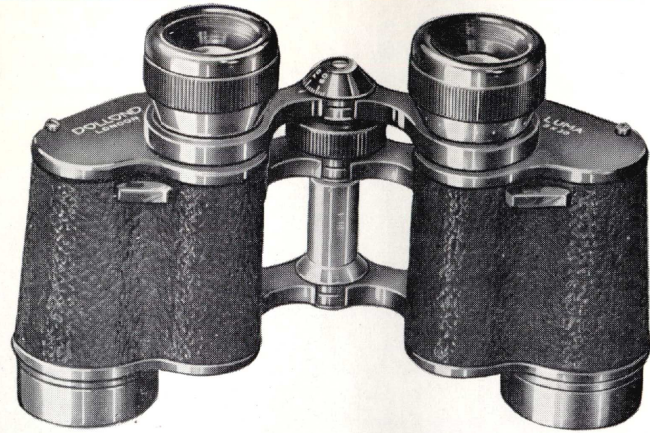
This model is very popular with the ladies. Its size and weight make it an ideal companion for every sporting event. With coated lenses and centre focusing this glass has features which represent extremely fine value for its modest price.

MB



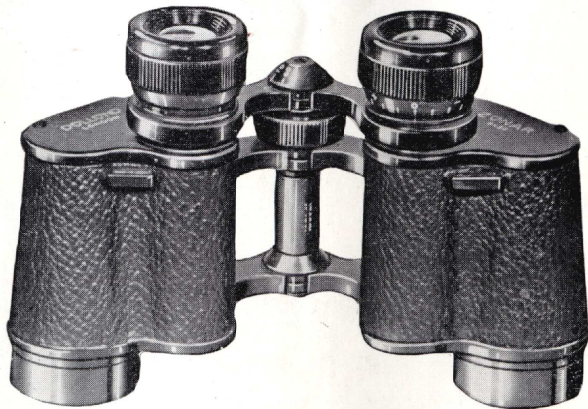
8×25 FARMAX

A de luxe version of the 8×25 Dollond above. Weighing without case only 14 ozs., it has centre focusing and a wide field of view for such a compact binocular.



8×30 LUMA

The LUMA is the ideal general-purpose prismatic binocular. Its wide field of view, its magnification of eight diameters, and its central focusing make it equally suitable for racing and bird watching. Case. Coated lenses.



8×30 ZONAR

The Zonar is one of our newest models and is the best glass we make with the popular specification of 8×30. With a field of view of 143 yards at a thousand yards it still weighs only 18 ozs.



THE
DOLLOND
OWLOND

9 x 40

A newly-designed prism binocular bringing within the range of the modest purse an instrument of considerable power and high performance of a specification generally associated with a much higher price range.

The additional magnification factor and the extremely large object glasses make the Dollond Owlond an ideal glass for the sportsman and particularly attractive to the naturalist and the bird-watcher. Complete with case. Coated lenses.



8×40 LIVISTA

The Livista has the widest field of view and the greatest brilliance of any 8 magnification binocular we manufacture. In spite of this it is extremely compact and is undoubtedly one of the finest binoculars of its type available today.



11×60 OWLMAT

The Owlmat, a high-power binocular, can still be used comfortably in the hand without the aid of a support. Its secret lies in its enormous light-gathering power and it is a great favourite with bird watchers.

15×60 OWLVIS

This high-power binocular is a superb instrument. Its magnification of 15× makes it one of the most powerful prismatic binoculars available today. The coated lenses and large object glass diameter of 60 mm. provide the enormous light gathering ability which is so essential for long distance observation in poor light conditions. The OWLVIS is the least expensive of London made glasses with this specification. Leather case.

EASY PAYMENTS
 Details of our Easy Payments Scheme are given inside the back cover. Easy Payment terms are available on all Binoculars over £10 in price.

20×60 OWLUX

The Dollond OWLUX is one of our most recent models and has been requested by a large section of the public. It is the most powerful binocular of its type and can be used either in the hand or on a light stand. As minute detail can be studied at very long range it is the ideal glass for the naturalist and big game hunter. Leather case.



Most models have centre wheel focusing with one adjustable eyepiece so that any difference between the vision of the left and right eye may be corrected.



HIGHER POWERS

You will see that the Dollond range of binoculars is completed on the previous page with the highest power of 20× magnification. Where magnifications greater than this are required the Telescope is the natural choice for it is lighter, easier to hold steady and less expensive than a binocular would be in the equivalent power. There is, in the telescope, a single optical system; prisms are not usually necessary; and generally the telescope when closed is a more compact instrument to carry. On page 28 you will find hints on the selection of a telescope and these are followed by illustrations and descriptions of the present Dollond series, with their specifications listed on page 32.

DOLLOND BINOCULAR SPECIFICATIONS

Name	Magnification	Diameter of the objective mm.	Field of view, in yards at 1000 yds.	Height ins.	Weight without case approx. ozs.	Lenses and Prisms
8×25 Dollond	8×	25	105	4½	16	Coated
Farmax ...	8×	25	110	4	14	Coated
Luma ...	8×	30	130	4½	18	Coated
Zonar ...	8×	30	143	4¼	18	Coated
Livista ...	8×	40	148	4¾	25	Coated
Owlond ...	9×	40	96	6¼	24	Coated
Owlmat ...	11×	60	126	7	38	Coated
Owlvis ...	15×	60	75	9¼	43	Coated
Owlux ...	20×	60	39	9¾	47	Coated

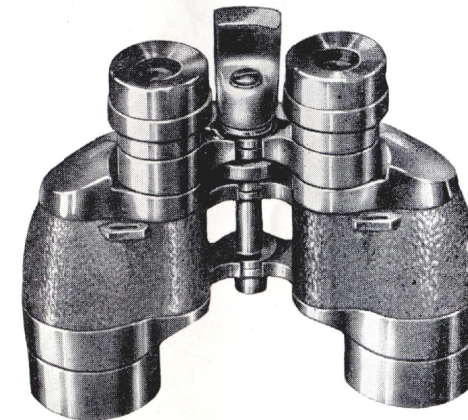
FOR PRICES SEE SEPARATE LIST



7×42 SOLAROSS

For use in the dullest weather and ideal for marine use because of its great light-gathering power, providing a bright sharp image over the entire field. 7× is a very satisfactory power for locating the subject easily. Leather case.

MB



8×35 SPECTACLE SOLAROSS

Made specially for spectacle wearers. The brow pad is easily seen in the illustration. It ensures correct and steady holding, the eye-cups being extendible to the right degree for the user. There are four sizes of brow pad available. Leather case.



9×35 SOLAROSS

A neat, well-balanced general purpose binocular suitable for race meetings, most holiday activities and sports events. Leather case.

7×40 ROSS TROPICAL

Although these glasses are primarily made for tropical use, they are favoured by many for use in the U.K. They have eyepiece focusing and are rubber-bonded making them virtually impervious to damp and dust. Leather case. Also available as 10×50.



12×40 SOLAROSS

An excellent glass for long range observation, appealing specially to huntsmen and marksmen. It has a high magnification with a moderately wide field. Lightweight and carefully balanced. Leather case.

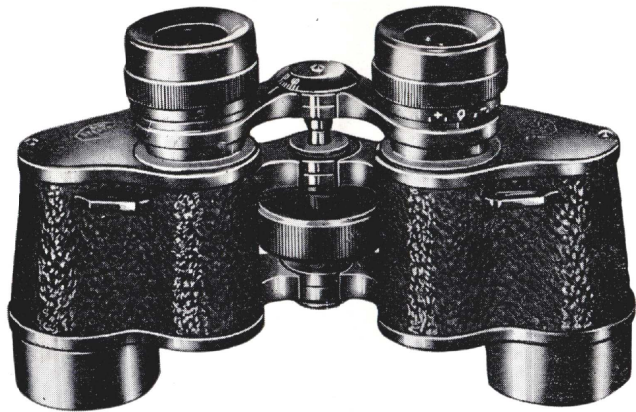
15×40 SOLAROSS

Same lines as the glass above and therefore remarkably compact for a glass of this power which is near the highest magnification available in binoculars. The glass for long range observation. Leather case.



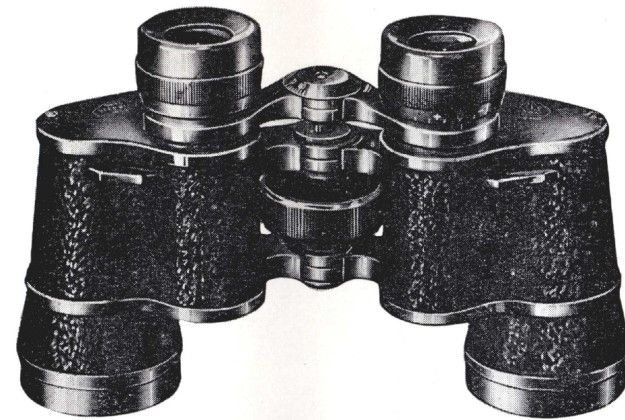
7×50 STEPLUX

Their extraordinary light-gathering power makes these binoculars particularly suitable for use where clear vision on dark nights or dull days is essential. Leather case.



8×30 STEPTRON

The latest Ross general purpose binocular with coated lenses. It has a wide field of view and a most pleasing design. Leather case.



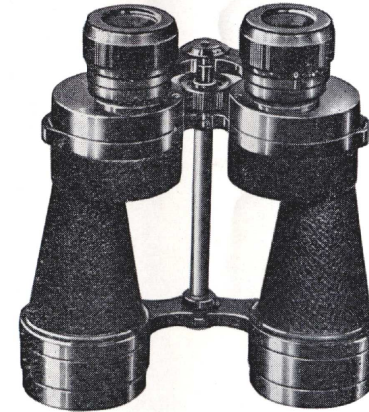
9×35 STEPRUVA

A compact model of considerable appeal to the outdoor man who habitually works at long range. Ideal for hunting, bird watching and farm use. The 9×35 is not too powerful for racing or for general holiday and travel purposes. Leather case.



8×40 SPECTAROSS

This is a binocular for the spectacle wearer maintaining a full field of view. The special brow-pad (available in 4 sizes) provides full comfort and correct steady positioning to clear the spectacle lenses. Extending eyecups allow use by non-spectacle wearers. Leather case.

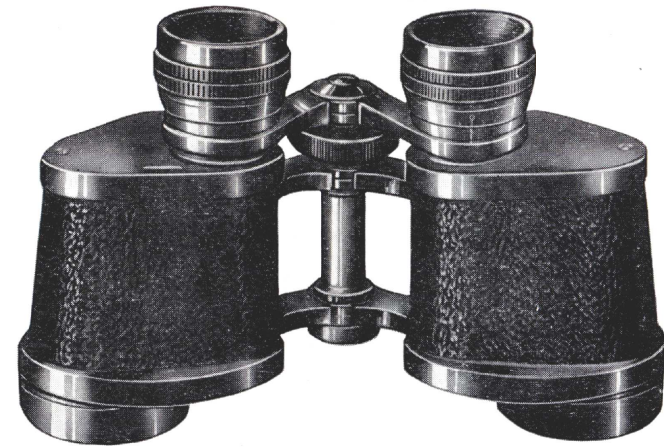


10×50 STEPMUR

The high magnification of these binoculars is specially useful for the appreciation of fine detail. The 50mm. Object Glass provides good light even under poor conditions of visibility. A glass of this specification is often favoured by surveyors, architects etc. for examining the fabric of buildings.

7×42 C.F.29

A superb design for any purpose and under any conditions of visibility. The design gives 20 per cent more light transmission than the usual Prismatic Binocular. This, together with the wide objective aperture, enables the details of objects to be seen even under conditions of poor visibility. It is a very popular lady's race glass. There is another model with the 42mm. Object Glass, but with a magnification 10×. This is the 10×42 (C.F. 43) which is a smaller glass in height, though of the same weight. Leather case.

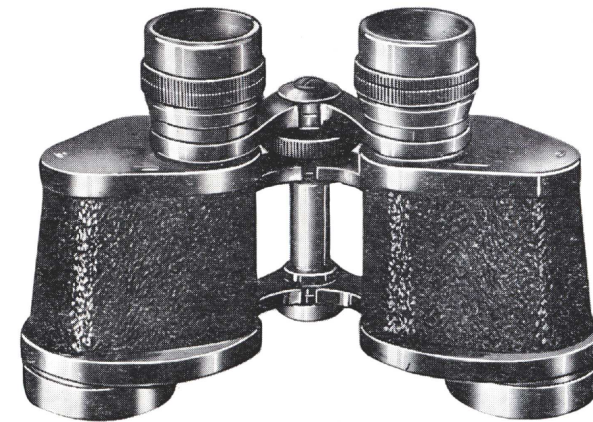
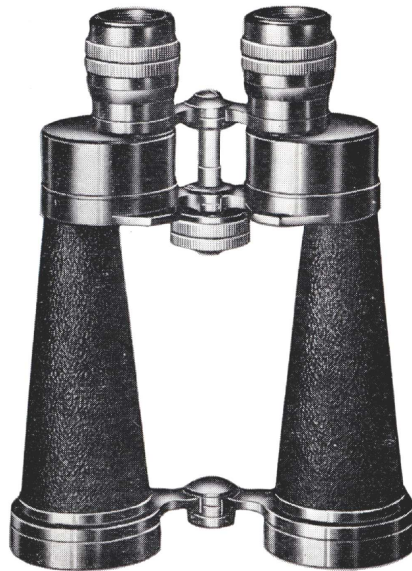


8×30.5 C.F.18

These famous binoculars are for racing, touring and bird watching. The illumination is brilliant and the stereoscopic effect very striking. Leather case.

7×50 C.F.31

Great light-gathering power, for day and night use. Their shape, balance and lightness of weight enable them to be used in perfect comfort for long periods without fatigue. Leather case.



8×30.5 C.F.24

Made for the same purposes as the C.F.18, this model has a wider field of view, a very useful feature when viewing moving objects. Leather case.

10×50 C.F.37

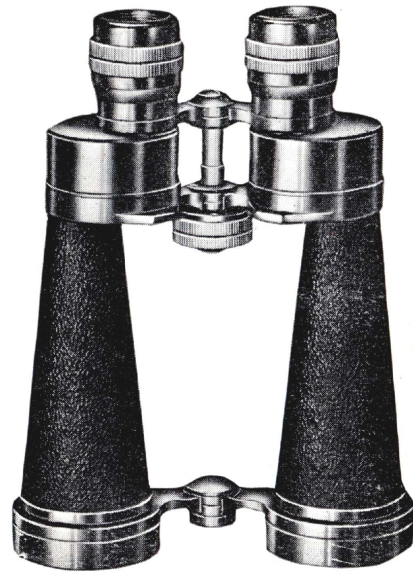
For long distance observation under all conditions of visibility. A high-powered prismatic binocular with great light-gathering power and 20 per cent more light transmission than binoculars of the usual design. Leather case.

12×50 C.F.39

Where a magnification of 10 times is not quite sufficient the 12×50 model fills the need exactly, and in appearance it resembles the 10×50. Used widely for Game-hunting, Deer-stalking and Surveying, or on any occasion when the observation of very fine detail is required.

15×60 C.F.46

This glass is the latest general purpose model for use in all weathers; it combines fifteen diameter magnification with enormous light-gathering power and perfect balance. Leather case.



MB

BINOCULAR SPECIFICATION TABLES FOR ROSS, BARR & STROUD, ZEISS, LEITZ and HENSOLDT All these glasses have coated lenses and prisms

Maker	Name	Magnification	Diameter of the objective mm.	Field of view, in yards at 1000 yds.	Height ins.	Weight without case approx. ozs.
Ross	Solaross	7 ×	42	105	6	24
"	Spectacle	8 ×	35	87	5 ³ / ₈	24
"	Solaross	9 ×	35	97	5 ³ / ₈	21
"	"	12 ×	40	73	6 ¹ / ₄	24
"	"	15 ×	40	58	5 ⁷ / ₈	24
"	Tropical	7 ×	40	165	6 ³ / ₈	31
"	"	10 ×	50	115	8	38
"	Steplux	7 ×	50	125	8	32
"	Steptron	8 ×	30	144	4 ¹ / ₄	20
"	Spectaross	8 ×	40	109	5 ³ / ₄	25
"	Stepruva	9 ×	35	128	4 ³ / ₄	24
"	Stepmur	10 ×	50	115	8	34
Barr & Stroud	C.F. 29	7 ×	42	127	7 ¹ / ₂	28
"	C.F. 31	7 ×	50	121	9	36
"	C.F. 18	8 ×	30.5	127	4	21
"	C.F. 24	8 ×	30.5	150	4 ¹ / ₂	22
"	C.F. 43	10 ×	42	121	5 ⁵ / ₈	28
"	C.F. 37	10 ×	50	112	9 ¹ / ₂	41
"	C.F. 39	12 ×	50	104	9 ¹ / ₄	41
"	C.F. 46	15 ×	60	79	11	52
Zeiss	7 × 50	7 ×	50	130	4 ³ / ₄	32
"	8 × 30	8 ×	30	150	3 ³ / ₄	17
"	8 × 50	8 ×	50	130	5 ¹ / ₈	37
"	10 × 50	10 ×	50	130	5 ¹ / ₄	37
"	15 × 60	15 ×	60	80	7	44 ¹ / ₂
"	Monocular	8 ×	30	150	3 ³ / ₄	7
Leitz	Amplivid	6 ×	24	212	4 ³ / ₈	12 ¹ / ₂
"	Marseptit	7 ×	50	128	6 ⁷ / ₈	34
"	Binuxit	8 ×	30	150	4 ³ / ₈	18 ¹ / ₂
"	Mardixit	10 ×	50	87.5	6 ¹ / ₂	33 ¹ / ₂
"	Campofortit	15 ×	60	81	8 ¹ / ₄	45
Hensoldt	Dialyt	8 ×	56	110	8 ⁷ / ₈	25
"	"	8 ×	32	150	6 ³ / ₈	20
"	"	7 ×	50	125	8 ¹ / ₈	24
"	"	10 ×	50	110	8 ⁷ / ₈	25

Zeiss, Leitz and Hensoldt Binoculars are illustrated on the following pages.

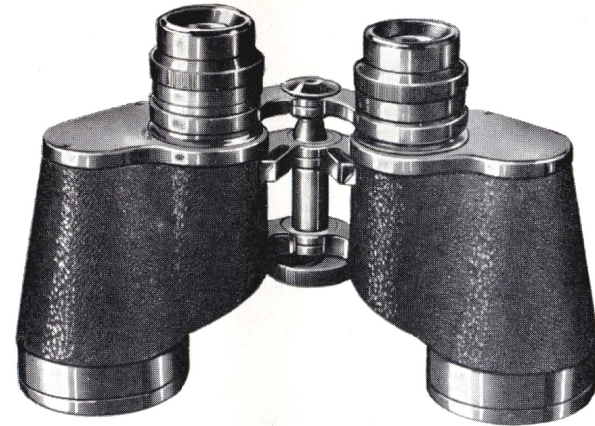
Binoculars by



7×50 ZEISS

This is the traditional marine binocular. Its very large exit pupil simplifies keeping the object under observation in sight at all times. Excellent for conditions of poor light. Leather case. Eyepiece focusing.

ZEISS



8×50 ZEISS

This glass excels itself in conditions of poor light and as a result of a newly developed eyepiece it has been possible—in spite of its higher magnification—to give this glass the same field of view as that provided by the Zeiss 7×50. Leather case.



8×30 ZEISS

The most favoured type for universal use. It meets all the requirements of travelling, sports, and observing nature. It is also a good glass for hunting. This is a very compact glass. Leather case.

MB



10×50 ZEISS

Specially designed for observation with high magnification. Recommended for ornithology, coast-guard stations, aircraft observation, mountain rescue work. Leather case.



15×60 ZEISS

Because of its high magnification this binocular has a specially constructed Object Glass to obviate colour and to give an image quality never before achieved. Ideal for long-range observation and popular with amateur astronomers.

ZEISS BINOCULARS

The Zeiss binoculars mentioned in this catalogue are made at Oberkochen in the Western Zone of Germany. Zeiss have been making Prismatic Binoculars for 66 years and the models detailed here are, of course, aristocrats in their particular fields. Zeiss binoculars offer the following advantages:—

1. Great Marginal Sharpness achieved by newly computed eyepieces. As an example, each eyepiece in the 8×30 model has 6 lenses.
2. Longer life through the use of durable, corrosion-resistant metals and improved sealing of central-focusing models.
3. Smaller, more compact form through the use of tele-objectives consisting of two air-spaced lenses.

Zeiss binoculars were until recently subject to import restrictions (as were other foreign makes). They are now freely available and we shall be pleased to send you fuller details of any model which interests you.



6×24 LEITZ AMPLIVID

A remarkable new optical design provides a field of view of 212 yards at 1,000 yards instead of the customary 150 yards with a glass of this magnification. Truly a wide-angle glass; ideal for travel, sports, stadium, theatre and circus use, and for all close-up viewing up to less than 3 yards. Leather case.



7×50 LEITZ MARSEPTIT

Outstanding performance under all lighting conditions; objects are easily held in view during movement. An extremely efficient night glass. Most popular for marine use and hunting. Leather case.



8x30 LEITZ BINUXIT

The most important advantages of this extremely popular model with its versatile uses are its large field of view, impressive image effect and its particularly handy and practical shape combined with low weight.



15x60 LEITZ CAMPORTIT

This model is preferred for observation at very long distances. The high magnification which it gives is combined with excellent brilliance and clarity. Its weight still enables it to be held in the hand without difficulty.



10x50 LEITZ MARDIXIT

Daylight binoculars with high twilight efficiency designed to meet the most exacting requirements. Despite the high magnification, this model is still light and convenient, weighing without case only 33½ ozs. It has a field of view of 87½ yards at 1,000 yards.

MB

COATED LENSES

All binoculars mentioned in this catalogue have their lens surfaces coated with an anti-reflection film. The brightness of the field of view of a binocular depends on the light transmission, that is, the percentage of light that reaches the eye. At each lens surface of an uncoated optical instrument, a certain proportion of light is reflected and thereby lost. This reflected light in the case of a binocular not only reduces the brightness of field, it also lowers the quality of the image definition.

And so today all good binoculars have their lens surfaces treated with an exceedingly thin anti-reflection film, usually a fluoride. This film which is only about five millionths of an inch in thickness is deposited on the glass surfaces in an exceedingly high vacuum and gives the lenses a characteristically blue colour when viewed by reflected light. This treatment adds considerably to the clearness and brilliance of colours, and in dull weather or at night to the contrast in objects under observation.

Binoculars by HENSOLDT



8×56 DIALYT

This model, and the other Dialyt models mentioned here, are fitted with Hensoldt roof prisms. This design provides a considerable saving in size and weight, making possible the characteristic slender lines of these binoculars, which are extremely comfortable in the hands. The large exit pupil of the 8×56 makes it a very suitable glass for dull conditions and it is, in fact, referred to as the Night-DIALYT. With leather case.

8×32 DIALYT is a handy and portable general purpose glass that produces rather more brilliance than the previous 8×30.

7×50 DIALYT is conveniently handled for difficult observations.

10×50 DIALYT gives high power observation over a good range of lighting conditions. All complete with leather case.

Monoculars



For persons with defective vision in one eye, a monocular glass will serve every purpose; and optically the monocular is identical with a binocular of the same model. It is frequently stated that the main drawback to monocular vision is that objects appear flat, or without depth. Theoretically, stereoscopic vision is impossible with one eye, but visual memory is so strong that the absence of depth is not noticed, unless attention is directed to the fact.

The selection of Dollond Monoculars available is listed on the separate price sheet. We shall be pleased to give you a special quotation for the monocular version of any other glass in this catalogue.

Illustrated on the left is the 8×30 ZEISS PRISM MONOCULAR which is noted for its light weight and small size and is particularly appreciated by mountaineers. A useful observation and spotting glass. Without case.

8×21 DOLLOND PARVO A Folding Pocket Prismatic Monocular

This particular monocular is remarkably compact and folds flat, fitting easily into a waistcoat pocket. It has the popular 8× magnification and coated lenses, and a performance comparable to a much larger glass.

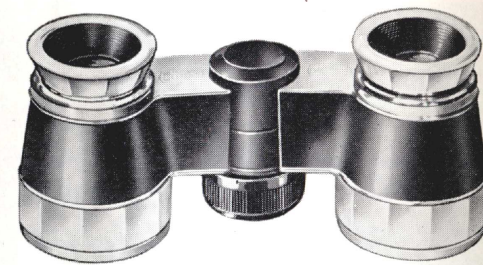
The sketch shows **PARVO** folded flat for the pocket. It measures $2\frac{3}{4} \times 1\frac{1}{2}$ in. when folded, and is supplied with a leather case.



Theatre Glasses

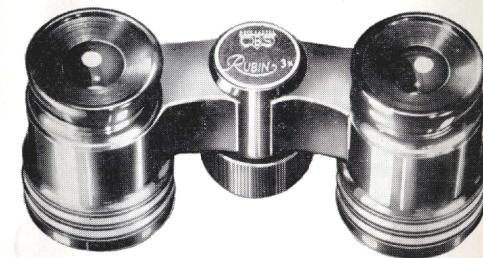
HENSOLDT DIADEM

Here you see the mother-of-pearl model which has a most attractive finish. It is light and easy to focus. Complete with case.



BECK KASSEL

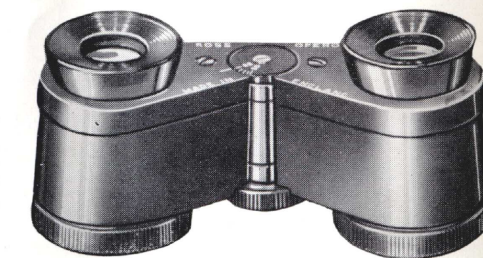
An attractive theatre glass, light and compact. For over sixty years Beck have been serving theatregoers all over the world, and this latest model incorporates the benefits of this long manufacturing experience. Complete with case.



ROSS OPEROS

A popular glass and now the subject of a special offer whilst stocks last.

Priced attractively at only £4 15 0 (original cost £7 16 2). Complete with case.



Note:—The three theatre glasses illustrated on this page each features the "bending bar" construction which ensures correct adjustment to the distance between the user's eyes.

SELECTING A TELESCOPE

WHERE magnifications greater than 15 to 20 diameters are required, a telescope is the natural choice and for general use the instruments in this list with powers of 15x and upwards will be found most satisfactory.

These glasses are easily held and focused, and their field of view and light-gathering power are adequate.

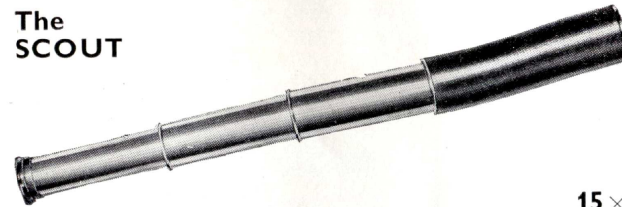
For more detailed observation the panoramic eyepiece models are recommended. These glasses have an extra sliding tube engraved with powers from 25 to 60x. Their special advantage is that objects to be studied can easily be located with the low power, and when thus identified the high power can be brought into use and the object studied in the greatest detail.

The 'TARGET' and 'TARGET MAJOR' telescopes are available with 'coated' lenses if required.

For a description and the advantages of COATED LENSES please turn to page 25.

DOLLONDS

The SCOUT



15x

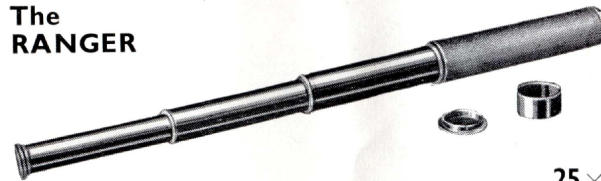
This is an extremely useful instrument when one does not wish to carry about a bulky field glass or telescope. It slips easily into the coat pocket and makes an excellent companion for bird watching and touring. It is just over six inches in length, yet has a magnifying power of 15 diameters. With this magnification an object 15 miles away will appear to be only one mile distant.

Specification

3 draw tubes, brass mounts, brown leather covered body, length closed 6½ inches, open 18 inches, diameter of Object Glass 1⅜ inches, magnification 15 diameters. Weight 1 lb. 2 oz.

MB

The RANGER



25x

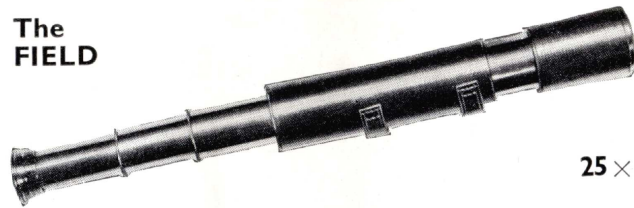
This is the latest addition to the popular range of Dollond Telescopes. It is a lightweight all-metal telescope with a magnification of 25 diameters, being finished in black anodizing and enamel. The screw caps protect the eyepiece and object glass. An ideal instrument for holiday use, ornithologists, sportsmen, and excellent as a spotting telescope for small bore rifle shooting.

Specification

3 draw tubes, black anodized; black enamelled body, length closed 7 inches, open 20 inches. Diameter of Object Glass 1⅜ inches, magnification 25 diameters. Weight 8 oz.

Telescopes by

The FIELD



25×

Very compact when closed this telescope is suitable for general touring purposes. Its power and field of view meet also the requirements of the increasingly large number of people keenly interested in bird watching.

Specification

Three draw tubes, oxidised mounts, extending sun and spray shade, brown leather covered body with two leather caps attached to shoulder strap for the protection of the lenses, length closed $10\frac{1}{2}$ inches, open $29\frac{3}{4}$ inches, diameter of Object Glass $1\frac{5}{8}$ inches, magnification 25 diameters. Weight 2 lb. 6 oz.

The ARMY SIGNALLING



15× and 30×

A popular portable telescope provided with interchangeable eyepieces for 15× magnification and 30× magnification as desired.

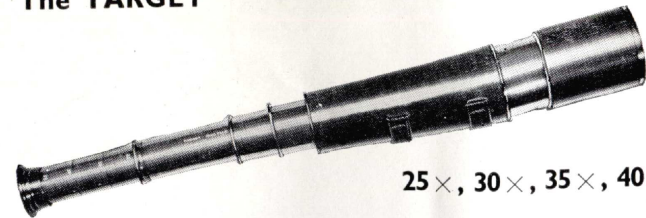
Specification

Three draw tubes, oxidised mounts, extending sun shade, brown leather covered body, caps and shoulder strap with pocket for eyepiece not in use, length closed 11 inches, open 33 inches, diameter of Object Glass 2 inches, magnification 15× and 30×. Weight 3 lb. 10 oz.

FOR PRICES SEE SEPARATE LIST

DOLLONDS

The TARGET



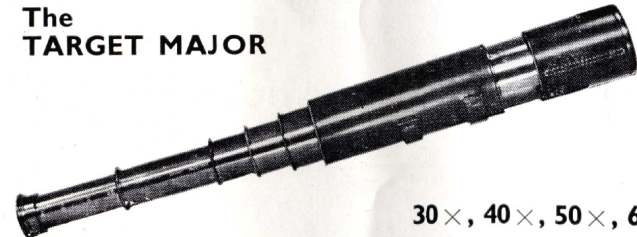
25×, 30×, 35×, 40×

This is one of the finest examples of modern optical science. It can be used for almost all purposes on both land and sea as increased magnification can be obtained by simply adjusting the pancratic eyepiece to the power required.

Specification

Three draw tubes, pancratic eyepiece giving magnifications of 25×, 30×, 35×, 40× diameters, oxidised mounts, extending sun and spray shade, leather covered body with caps attached to shoulder strap for the protection of the lenses, length closed $10\frac{1}{2}$ inches, open 32 inches, diameter of Object Glass $2\frac{1}{8}$ inches. Weight 3 lb. 1 oz.

The TARGET MAJOR



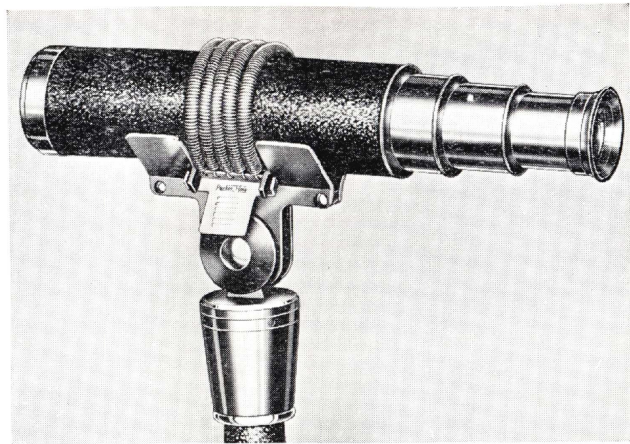
30×, 40×, 50×, 60×

The larger model of the Target, with the pancratic eyepiece adjustable to an increased power of 60×. The ideal telescope when the fullest power and clearest view are needed. For all long-range observation on land or sea.

Specification

Four draw tubes pancratic eyepiece giving magnifications of 30×, 40×, 50×, 60×; oxidised mounts, extending sun and spray shade. The body is leather covered, having leather caps and a shoulder strap attached. Model illustrated: length closed $11\frac{1}{2}$ inches, length extended $41\frac{1}{2}$ inches. There are three models of this telescope in which the diameter of the Object Glass varies from $2\frac{1}{4}$ to 3 inches as does the weight from 3 lb. 1 oz. to 5 lb. 12 oz. See specification table on page 32.

Telescopes by DOLLONDS



PARKER-HALE TELESCOPE STAND

A very rigid stout cradle which has a rustless firm-gripping spring clamp. The telescope may be rotated horizontally and vertically. Available in three models:—**Model I** (illustrated) is the latest model for attaching to a photographic tripod and accommodates standard English tripod thread.

Model II, permanently fixed to three non-collapsible 16-in. legs.
Model III, permanently fixed to three non-collapsible 60-in. legs.

SPECIFICATIONS OF DOLLOND TELESCOPES

Name	Magnification	Diameter of object glass	Length closed	Length open	Weight	Number of draw tubes
Scout ...	15×	1 $\frac{3}{8}$ in.	6 $\frac{1}{2}$ in.	18 in.	1 lb. 2 oz.	3
Ranger ...	25×	1 $\frac{5}{8}$ in.	7 in.	20 in.	8 oz.	3
Field ...	25×	1 $\frac{5}{8}$ in.	10 $\frac{1}{4}$ in.	29 $\frac{3}{4}$ in.	2 lb. 6 oz.	3
Army Signalling	15× and 30×	2 in.	11 in.	33 in.	3 lb. 10 oz.	3
Target ...	25×, 30×, 35×, 40×	2 $\frac{1}{8}$ in.	10 $\frac{1}{2}$ in.	32 in.	3 lb. 1 oz.	3
Target Major	30×, 40×, 50×, 60×	2 $\frac{1}{4}$ in.	11 $\frac{1}{4}$ in.	41 $\frac{1}{2}$ in.	3 lb. 1 oz.	4
Target Major	30×, 40×, 50×, 60×	2 $\frac{1}{2}$ in.	11 $\frac{1}{4}$ in.	41 $\frac{1}{2}$ in.	3 lb. 14 oz.	4
Target Major	30×, 40×, 50×, 60×	3 in.	11 $\frac{1}{4}$ in.	41 $\frac{1}{2}$ in.	5 lb. 12 oz.	4

The 'TARGET' and 'TARGET MAJOR' series are available with or without coated lenses. See separate Price List.

Imported Telescopes



40×60 HENSOLDT DIAGON

This powerful prismatic telescope is particularly suitable for viewing landscapes and for long-range nature study. This is greatly helped by its being mounted on a small stand which is included in the price. With its stand the 40×60 Diagon may be used successfully for target spotting and by those whose hobby is astronomy.

MB



NICKEL SUPRA TELESCOPES with variable powers FEATURING MICROMETER FOCUSING

20× to 40×:— A most compact and lightweight model. Just set the power required, then focus by turning the micrometer focusing ring at the centre of the telescope. Two draw tubes; extending sun and spray shade; length open 20 in.; length closed 9 $\frac{1}{2}$ in.; weight without case 16 ozs. Complete with tripod bush and leather case. Object Glass diameter is 40mm.

25× to 50× Model:— Operation similar to above, with higher range of powers and a larger Object Glass diameter of 60mm. Length open 24 in.; length closed 11 in.; weight without case 27 ozs. Complete with tripod bush and leather case; extending sun and spray shade.

The DOLLOND Astro



THE DOLLOND ASTRO

Eminently suitable for students of Astronomy, the Dollond Astro has a host of other uses.

It is superb for long range spotting, picking up details of ships at sea etc., and its terrestrial magnification of $65\times$ is more than adequate for this purpose. (With a magnification of 65 times an object 10 miles away when viewed through the telescope would appear the same as if viewed by the naked eye at a distance of 270 yards!)

The normal eyepiece supplied for Astronomical use is one having a magnification of 80 times, and additional interchangeable powers of $100\times$ and $125\times$ can be supplied. The power of the star finder is 8 magnifications.

The Dollond Astro is a beautiful instrument constructed to the following specification:—

Object Glass Aperture 3 inches
 Terrestrial Eyepiece is 65 magnifications
 Astronomical Eyepiece is 80 magnifications
 (Additional Eyepieces of $100\times$ and $125\times$ can be supplied.)

The telescope has a grey stove enamelled body with chromium plated fittings.

The focusing is by rack and pinion and the astro eyepieces are supplied with removable filters for solar observation.

Models available:—**Table Stand Model**
Garden Tripod Model
 See prices on separate Price Sheet.

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HEREFORD: 29 High Town. Tel.: Hereford 2746
HUDDERSFIELD: 15 King Street. Tel.: Huddersfield 5925
KINGSTON: 30-32 Thames Street. Tel.: Kingston 2050 & 4187
LEEDS: 37 Bond Street. Tel.: Leeds 25106
 55 The Headrow. Tel.: Leeds 25717
LIVERPOOL: 71 Bold Street. Tel.: Royal 1882
 65-67 Dale Street. Tel.: Central 6711
MANCHESTER: 95-97 Deansgate. Tel.: Blackfriars 8897
MIDDLESBROUGH: 25 Linthorpe Road. Tel.: M'boro. 3388
NEWPORT (Mon.): 43 Commercial Street. Tel.: Newport 63603
NORTHAMPTON: 63 Abington Street. Tel.: Northampton 1744
 6 Mercers Row. Tel.: Northampton 1892
PETTS WOOD: 12 Chatsworth Parade. Tel.: Orpington 23250
RAMSGATE: 32 Queen Street. Tel.: Thanet 53027
ST. ALBANS: 30 Market Place. Tel.: St. Albans 53893
SALISBURY: 17 & 19 Catherine Street. Tel.: Salisbury 2522
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SWANSEA: 34 Castle Street. Tel.: Swansea 54420
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WATFORD: 197 St. Albans Road. Tel.: Watford 29867
YEOVIL: 2 High Street. Tel.: Yeovil 490

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Deposit $12\frac{1}{2}\%$ (2/6d. in the £)

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DOLLONDS

200 YEARS OF OPTICAL SERVICE

Prices of Binoculars include sling case, lanyard, and Purchase Tax on case

Prices are correct at the time of going to press

JUNE 1962

DOLLOND PRISMATIC BINOCULARS

								£	s.	d.
Dollond	8×25	...	...	...	...	...	coated lenses	6	19	6
Farmax	8×25	...	...	...	...	...	" "	7	19	6
Luma	8×30	...	...	...	...	...	" "	17	13	0
Zonar	8×30	...	...	...	...	...	" "	23	4	0
Livista	8×40	...	...	...	...	...	" "	30	15	0
Owlong	9×40	...	...	...	...	...	" "	22	3	9
Owlmat	11×60	...	...	...	...	...	" "	38	18	0
Owlvis	15×60	...	...	...	...	...	" "	56	13	6
Owlux	20×60	...	...	...	...	...	" "	63	3	6

DOLLOND PRISMATIC MONOCULARS

8×21 Parvo	coated lenses	...	...	...	...	...	11	1	0
Luma 8×30	" "	(not illustrated)	...	...	...	...	9	15	6

DOLLOND EMPIRE SERIES (REGENT)

7×50	...	(Not illustrated or	...	...	coated lenses	12	11	5
8×30	...	described in the	...	...	" "	8	19	0
10×50	...	Catalogue as these	...	...	" "	13	1	11
12×65	...	are a recent addi-	...	...	" "	21	14	6
16×50	...	tion.)	...	...	" "	18	10	0

ROSS PRISMATIC BINOCULARS

Solaross	...	...	...	7×42	...	coated lenses	25	15	4
Spectacle Solaross	...	...	...	8×35	...	" "	28	10	4
Solaross	...	...	...	9×35	...	" "	19	15	4
Solaross	...	...	...	12×40	...	" "	26	0	4
Solaross	...	...	...	15×40	...	" "	27	11	4
Tropical model (eyepiece focusing)	...	...	...	7×40	...	" "	53	6	10
Tropical model (eyepiece focusing)	...	...	...	10×50	...	" "	62	3	9
Steplux	...	...	...	7×50	...	" "	51	17	2
Steptron	...	...	...	8×30	...	" "	36	2	0
Spectaross	...	...	...	8×40	...	" "	47	5	8
Stepruva	...	...	...	9×35	...	" "	38	4	3
Stepmur	...	...	...	10×50	...	" "	56	5	2

BARR & STROUD PRISMATIC BINOCULARS

C.F. 29	...	...	...	7×42	...	coated lenses	45	7	6
C.F. 43 (not illustrated)	...	...	...	10×42	...	" "	45	7	6
C.F. 31	...	...	...	7×50	...	" "	50	9	0
C.F. 18	...	...	...	8×30.5	...	" "	30	6	0
C.F. 24	...	...	...	8×30.5	...	" "	35	6	0
C.F. 37	...	...	...	10×50	...	" "	55	9	0
C.F. 39 (not illustrated)	...	...	...	12×50	...	" "	60	9	0
C.F. 46	...	...	...	15×60	...	" "	70	11	6

CARL ZEISS PRISMATIC BINOCULARS (West Germany)

7×50B	...	...	...	...	coated lenses	82	6	0
8×30	...	...	...	...	" "	64	16	2
8×30B	...	...	...	...	" "	66	19	2
8×50B	...	...	...	...	" "	97	1	0
10×50	...	...	...	...	" "	109	4	0
15×60	...	...	...	...	" "	125	17	0
Monocular 8×30 (without case)	...	...	...	...	" "	34	13	0
Monocular 8×30B	...	...	...	...	" "	41	5	0

MB

LEITZ PRISMATIC BINOCULARS

							£	s.	d.
Amplivid	...	...	...	6×24	...	coated lenses	53	14	7
Marseptit	...	...	...	7×50	...	" "	70	13	4
Binuxit	...	...	...	8×30	...	" "	52	11	0
Mardixit	...	...	...	10×50	...	" "	<i>Discontinued</i>		
Campofortit	...	...	...	15×60	...	" "	81	13	2

HENSOLDT PRISMATIC BINOCULARS

The only Hensoldt glass illustrated in the catalogue is the Dialyt 8×56

Dialyt	...	...	...	7×50	...	coated lenses	70	16	9
Dialyt	...	...	...	8×32	...	" "	59	17	8
Dialyt	...	...	...	8×56	...	" "	75	3	8
Dialyt	...	...	...	10×50	...	" "	75	3	8
Diarex	...	...	...	8×30	...	" "	37	11	5
Diagon Rubber Armoured	...	...	...	7×50	case extra	" "	62	2	6
Diagon Rubber Armoured	...	...	...	8×30	case extra	" "	48	18	0
Diagon Rubber Armoured	...	...	...	10×50	case extra	" "	66	6	9

CARL ZEISS JENA (East Germany)

Binocitem	...	...	...	7×50	...	coated lenses	63	8	10
Deltrintem	...	...	...	8×30	...	" "	39	6	0
Dekarem	...	...	...	10×50	...	" "	69	8	10
Pentekarem	...	...	...	15×50	...	" "	75	8	10

THEATRE GLASSES

Hensoldt Diadem	...	...	...	...	...	...	25	12	5
Beck Kassel	...	...	...	...	...	...	9	18	11
Ross Operos	...	...	...	...	...	...	<i>Discontinued</i>		

DOLLOND PORTABLE TELESCOPES

Scout	...	...	...	...	...	...	5	5	0
Ranger	...	...	...	...	...	...	<i>Discontinued</i>		
Pancratic 25× to 40× (not illustrated)	...	...	...	...	...	...	7	10	0
Field	...	...	...	...	...	...	10	7	6
Army Signalling	...	...	...	...	...	...	<i>Discontinued</i>		
Target	...	...	...	...	...	...	15	7	6
Target with coated lenses	...	...	...	...	...	...	19	5	0
Target Major	...	...	...	2¼ in O.G.	...	...	<i>Discontinued</i>		
Target Major with coated lenses	...	...	...	2¼ in O.G.	...	...	25	5	0
Target Major	...	...	...	2½ in O.G.	...	...	<i>Discontinued</i>		
Target Major with coated lenses	...	...	...	2½ in O.G.	...	...	28	5	0
Target Major	...	...	...	3 in O.G.	...	...	<i>Discontinued</i>		
Target Major with coated lenses	...	...	...	3 in O.G.	...	...	33	17	6

PARKER-HALE TELESCOPE STAND

Model I, for attaching to photo tripod	...	...	...	...	...	...	2	15	0
Model II, 16-in leg, non-collapsible	...	...	...	...	...	...	3	10	0
Model III, 60-in leg, non-collapsible	...	...	...	...	...	...	7	10	0

IMPORTED TELESCOPES

*Hensoldt Diagon 40×60	...	...	...	...	coated lenses	<i>Discontinued</i>			
Nickel Supra 20× to 40×	...	...	...	...	" "	26	14	0	
Nickel Supra 25× to 50×	...	...	...	...	" "	<i>Discontinued</i>			
Nickel Supra 15× to 60×	...	...	...	...	" "	36	12	0	
*Now superseded by:—									
Hensoldt Mono-Dialyt 40×60	...	...	...	...	" "	66	16	0	

DOLLOND ASTRO TELESCOPE

Table Stand Model	...	...	...	...	...	...	63	0	0
Garden Tripod Model	...	...	...	...	...	...	69	6	0
Astronomical Eyepiece 100×, available as an extra	...	...	...	...	...	...	4	4	0
Astronomical Eyepiece 125×, available as an extra	...	...	...	...	...	...	5	5	0

