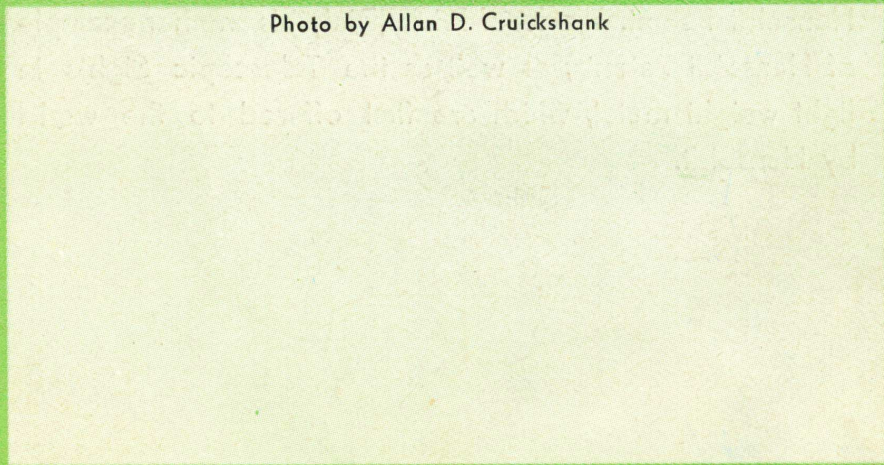




Photo by Allan D. Cruickshank



Printed in Germany.

L. 64. III. 39

*Hensoldt*

®



**MB**



**AND  
BINOCULARS  
TELESCOPIC SIGHTS**



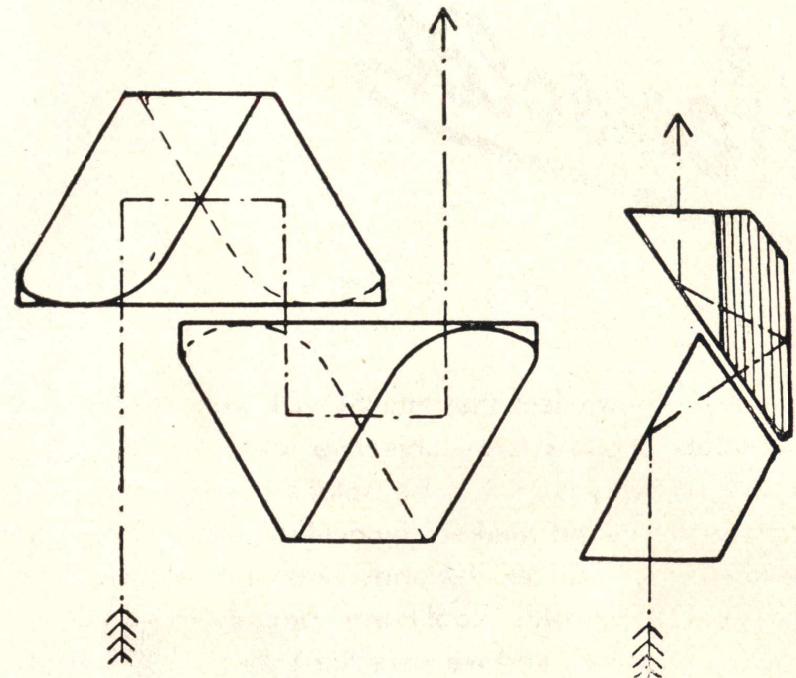
# Hensoldt

## DIALYT

It is a well known fact that HENSOLDT were the original constructors of extra large objective lenses in the prism binocular industry, and it is Hensoldt's merit of thus introducing to the world markets, binoculars with extra strong light-intensities. Other factories later on followed this example. The Hensoldt "Roof Prism" brought about this use of large objectives, and we were the first producing these prisms in precision quality and for commercial distribution. Through our constant improvements, this system of prisms is today the undisputed leader in binocular construction.

This new prism is used only in the Dyalt Binoculars. The present design is especially adapted to use large objectives, at the same time reducing considerably the volume of the binoculars. The larger the objective lenses are, the higher is the degree of luminosity (light intensity) with equal magnifications, because larger objectives collect more light rays. Efficiency of binoculars at dusk depends furthermore on loss of light caused by absorption through lenses and prisms. The smaller the prisms, the less loss of light through absorption.

MB



Porro Prism System in the usual binoculars.

Natural Size

Hensoldt Roof Prism System in Dyalt Binoculars.

The arrows in the above sketches indicate the paths of the light rays. This path is a virtually straight line in the Roof Prism (Dyalt) system. The streamline shape of the Dyalt binoculars entirely eliminates bulk. Dyalts are therefore of much less weight than any other make of binoculars of same magnification and objective diameter. Even Dyalts with the extreme large objective lenses of 56 mm ( $2\frac{1}{4}$  inches) possess very light weight and graceful slenderness.

In the Porro Prism system, generally used in all other makes of binoculars, the light rays are displaced sideways, resulting in a broad, bulky shape, and heavy weight, so that a 56 mm binocular, if produced at all, would be entirely too unwieldy to be managed by hand.





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## Telescopic Sights

The world's outstanding achievement in telescopic sights is the Diallytan 4x, unmatched in its remarkable brilliancy, and light intensity of 81 units. The truly great qualities of this model are acknowledged by highest authorities.

### Telescopic Sights of Light Weight Metal

We produce the following models in extra light weight: Duralyt 1<sup>1/2</sup> x, 2<sup>3/4</sup> x, 4 x, 6 x, and Dural-Diallytan 4 x. All these models with Mounting-Rail.

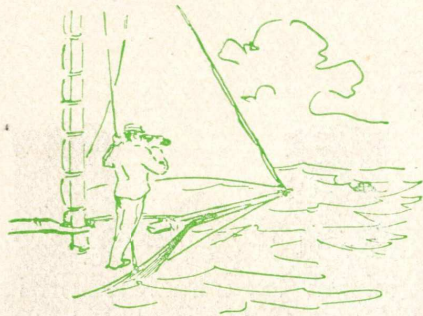
The great advantage of the mounting-rail is that the mounting can be attached thereto, without taking apart the scope. The optical parts thus remain factory-adjusted and factory-clean, and the instrument remains dust and moisture proof. Also special rigidity results. Mounting-Rails are one piece with the tube.

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### Re Light Intensity 81 with DIALYTAN

We emphasize the fact that light intensity 81 (exit pupil 9 mm) can be actually made use of and that it considerably increases the capacity of vision in twilight, since the pupil of the human eye will expand to 9.5 mm (as per Prof. Dr. A. Köhl). The extreme large exit pupil (the bright circle entering the eye) of 9 mm is also of utmost importance, because, the larger the exit pupil is, the quicker the eye catches the target.





Light weight models

*Hensoldt*



- Night Dialyt 7 x 56
- Yacht Dialyt 8 x 56
- Yachtten Dialyt 10x56
- Yachttenix Dialyt 16 x 56

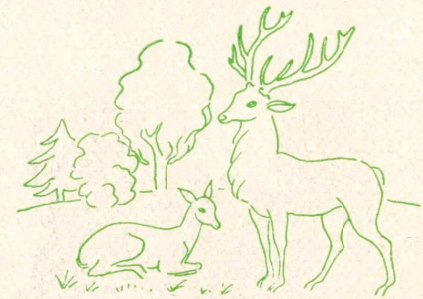
Especially for most difficult observations, day and night, yachting, hunting, bird study. Weight only 24<sup>1</sup>/<sub>2</sub> ounces.

Dialyt 7 x 56 is the favorite of Dr. Hugo Eckener on his Zeppelin flights.

**DIALYT**

- 7 x 56
- 8 x 56
- 10 x 56
- 16 x 56

Code Word	Magnification	Object diam. mm	Light-Intensity	Field of view yds/1000	Weight ozs.	Price \$
Night Dialyt	7 x	56	64	115	24 <sup>1</sup> / <sub>2</sub>	210.—
Yacht Dialyt	8 x	56	49	115	24 <sup>1</sup> / <sub>2</sub>	216.—
Yachtten Dialyt	10 x	56	31.3	100	24 <sup>1</sup> / <sub>2</sub>	220.—
Yachttenix Dialyt	16 x	56	12.5	62	24 <sup>1</sup> / <sub>2</sub>	232.—



Light weight models

*Hensoldt*

- Marine Dialyt 7 x 50
- Alpine Dialyt 8 x 50

Highly efficient day and night glasses. For regattas, mountains, aeronautics, hunting. Of surprising light weight.

**Mountain Dialyt 10x50**

Negligible weight for these high powers. For any observation at very long distances.

**DIALYT**

- 7 x 50
- 8 x 50

Code Word	Magnification	Object diam. mm	Light-Intensity	Field of view yds/1000	Weight ozs.	Price \$
Marine Dialyt	7 x	50	50.4	128	21 <sup>1</sup> / <sub>2</sub>	158.—
Alpine Dialyt	8 x	50	39	120	22	166.—
Mountain Dialyt	10 x	50	25	95	22 <sup>1</sup> / <sub>4</sub>	174.—





DIALYT

6 x 42

7 x 42



Light weight models

*Hensoldt*

Jagd Dialyt 6 x 42

Nimrod Dialyt 7 x 42

The light intensity of the 6x42 is 98% better than that of the best standard 6 x glasses on the market. Both models are the marvels of the 20th century, as, in spite of their great efficiency, they slip easily in the ordinary coat pocket. The glass for aviation, hunting, races, stadions, bird study.

Sir Hubert Wilkins selected the 6 x 42 for his airplane expeditions to the Arctic when searching for the lost Russian North Pole fliers.

Code Word	Magnification	Object diam. mm	Light-Intensity	Field of view yds/1000	Weight ozs.	Price \$
Jagd Dialyt	6 x	42	49	150	17 <sup>1</sup> / <sub>2</sub>	136.—
Nimrod Dialyt	7 x	42	36	145	17 <sup>1</sup> / <sub>2</sub>	145.—

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DIALYT

6 x 30

8 x 30



Light weight models

*Hensoldt*

Sport Dialyt 6 x 30  
"extra light"

Sport Dialyt 8 x 30  
"extra light"

Combining standard optics and extreme light weight for sports, travel, hunting. These models render outstanding service at ball-games and races, on hunting and engineering expeditions when travelling by horse, machine or on foot. Efficient and unobtrusive, these glasses slip into ordinary hunting shirt pocket, or coat pocket.

Code Word	Magnification	Object diam. mm	Light-Intensity	Field of view yds/1000	Weight ozs.	Price \$
Sport Dialyt	6 x	30	25	145	10 <sup>1</sup> / <sub>2</sub>	98.—
Sport Dialyt	8 x	30	14.3	125	11 <sup>1</sup> / <sub>4</sub>	102.—



**Hensoldt**



Light weight models

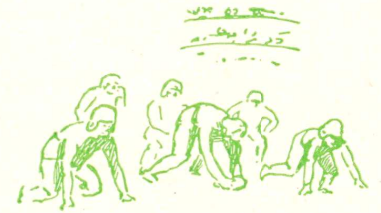


**Binoculars with Porro-Prisms**

Low priced binocular in good optical and mechanical workmanship. The optical features are the best obtainable in the Porro-Prism system. Grossfeld, Jagdglass, and Sportglass have extra large field of view. All models of same light weight metal as the Dialyt models. Sturdy construction to last a lifetime.

Code Word	Magnification	Object. diam. mm	Light-Intensity	Field of view yds/1000	Weight ozs.	Price \$
Grossfeldsix	6 x	24	16	160	12	65.—
Grossfeldeight	8 x	24	9	150	12	68.—
Jagdglass	6 x	30	25	150	14	70.—
Sportglass	8 x	30	14.3	150	15	76.—
Telzwolf	12 x	30	6.25	80	13	91.—

**Hensoldt**



**Modern GALYT Field Glass**  
(non-prismatic)

With hinged adjustment for pupillary distances.

This field glass is of entirely original design of the most modern character, in every respect. The lenses are of finest quality optical glass, giving extreme amount of luminosity, and an even image throughout the entire field of view. The hinged adjustment allows exact correction for individual pupillary distances, eliminating double vision. With elegant cowhide leather case.

Code Word	Magnification	Object. diam. mm	Light-Intensity	Field of view yds/1000	Weight ozs.	Price \$
Galyt (non-prismatic)	4 x	40	100	140	10 <sup>3</sup> / <sub>4</sub>	30.—



## Prismatic Monoculars

All the binoculars in this folder can also be furnished as Monoculars for use with one eye only. Dialyt monoculars are of especially small size and light weight.

Dialyt 6 x 30, 8 x 30, 6 x 42, 7 x 42, slip easily into the ordinary size vest pocket.



**DIALYT**  
25 x 56

**SPOTTING TELESCOPE**  
(Monocular)

Magnification  
25 x

Price  
\$ 120.—



Objective 56 mm  
Light intensity 5  
Field at 1000 yd.: 30 yds  
Length 15 inches  
Weight 23 ozs.

With extra solid, elegant cowhide case. Includes table-tripod or an attachment to fit onto standard photo tripod.

This prismatic monocular is particularly suited for extreme long distances, and for spotting smallest objects as .22 caliber bullet holes on rifle range target.

Excellent for bird and wild life study, as this Dialyt 25 x 56 brings out finest shades of colors.

All Dialyt and Porro Monoculars: one half of the prices for binoculars.

All Binoculars with Central Focusing or Separate Focusing eyepieces

All prices include elegant tan cowhide carrying case, neck and shoulder straps.

Accessories: Flat Eye-Cups for spectacle wearers . . . . . Pair \$ 1.50

Soft Rubber Eye-Cups . . . . . Pair \$ 2.50

All prices in this catalog subject to change without notice.

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**MONOCULARS**

*Hensoldt*

## Telescopic Sights



Klein-Dialyt 2<sup>3</sup>/<sub>4</sub> x for small caliber



Ziel-Dialyt 2<sup>3</sup>/<sub>4</sub> x for all around use



Ziel-Dialyt 4 x for large caliber and for long range shooting



	Diameter of tube at Objective	Middle	Eyepiece
Klein-Dialyt 2 <sup>3</sup> / <sub>4</sub> x	22 mm	22 mm	22 mm
Ziel-Dialyt 2 <sup>3</sup> / <sub>4</sub> x	22 "	22 "	31.5 "
Ziel-Dialyt 4 x	31.5 "	22 "	31.5 "

Code Word	Magnification	Objective mm	Light-Intensity	Field of view yds/1000	Eye Relief inch.	Total Length of Scope mm	Wght ozs.	Price \$
Kl.-Dialyt	2 <sup>3</sup> / <sub>4</sub> x	18	45	9.5	3 <sup>1</sup> / <sub>8</sub>	218	8	36.—
Zielftwo	2 <sup>3</sup> / <sub>4</sub> x	18	45	13.5	3 <sup>1</sup> / <sub>8</sub>	218	10	45.—
Zielfour	4 x	26	43	9.5	3 <sup>1</sup> / <sub>8</sub>	240	11	54.—



**Hensoldt**

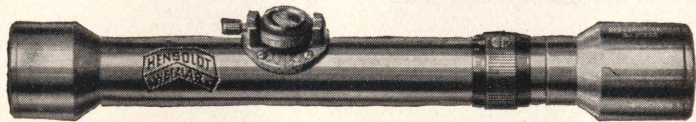


**Severe Service Telescopic Sights**

for normal game shooting service

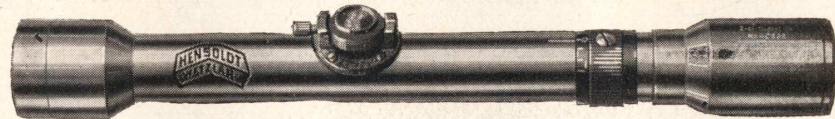
**Zieljagd 4 x**

New universal scope for stalking and target.



**Ziel-Dialyt 5 x and 6 x**

Highly magnifying scopes for long range and twilight.



	Diameter of tube at Objective	Middle	Eyepiece
Zieljagd 4 x	38.5 mm	26.5 mm	38.5 mm
Ziel-Dialyt 5 x	38.5 "	26.5 "	38.5 "
Ziel-Dialyt 6 x	38.5 "	26.5 "	38.5 "

Code Word	Magnification	Objective mm	Light-Intensity	Field of view yds/1000	Eye Relief inch.	Total Length of Scope mm	Wght ozs.	Price \$
Zieljagd	4 x	30	57	11	3 <sup>1</sup> / <sub>8</sub>	270	14	65.—
Zielfive	5 x	36	52	9	3 <sup>1</sup> / <sub>8</sub>	305	16	69.—
Zielsix	6 x	36	36	8.5	3 <sup>1</sup> / <sub>8</sub>	310	16	77.—

**Hensoldt**

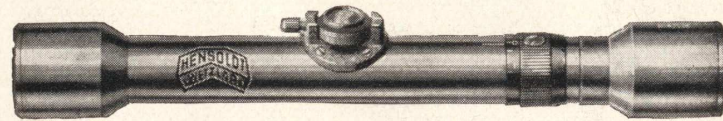


**Severe Service Telescopic Sights**

for deep twilight, night and day

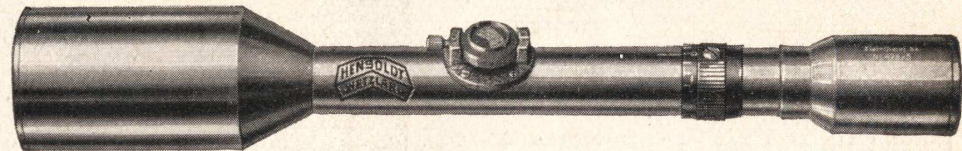
**Dialytan 4 x**

The scope with unequalled (81) light intensity for stalking and long range shooting at dawn, dusk or night. The scope of **Ultra-Luminosity**.



**Ziel-Dialyt 8 x**

High magnification for rifle range and long distance hunting at dawn or dusk.



	Diameter of tube at Objective	Middle	Eyepiece
Dialytan 4 x	38.5 mm	26.5 mm	38.5 mm
Ziel-Dialyt 8 x	56 "	26.5 "	38.5 "

Code Word	Magnification	Objective mm	Light-Intensity	Field of view yds/1000	Eye Relief inch.	Total Length of Scope mm	Wght ozs.	Price \$
Dialytan	4 x	36	81	10	3 <sup>1</sup> / <sub>8</sub>	280	15	75.—
Zieleight	8 x	52	43	6	3 <sup>1</sup> / <sub>8</sub>	355	26	106.—

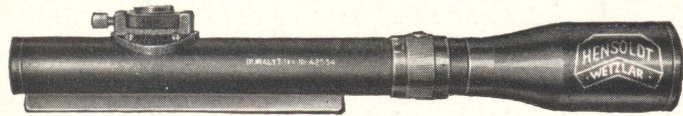
**MB**



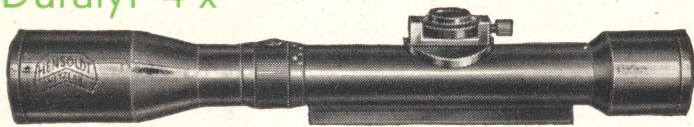
# Hensoldt



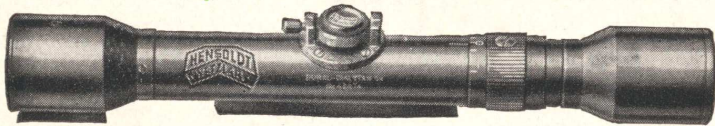
## Light Weight Telescopic Sights Duralyt 1 1/2x and 2 3/4x



### Duralyt 4 x



### Dural-Dialytan 4 x



Telescopic tube and mounting-rails are one piece.  
On special demand, all Light Weight scopes can be supplied without the Mounting-Rails.  
Position of Mounting-Rail:

Duralyt 1 1/2 x and 2 3/4 x	Middle tube with rail	Objective without rail
Duralyt 4 x	Middle tube 26.5 mm	Objective 38.5 mm
Dural-Dialytan 4 x I	Middle tube with rail	Objective with rail
Dural-Dialytan 4 x II	Middle tube with rail	Objective without rail

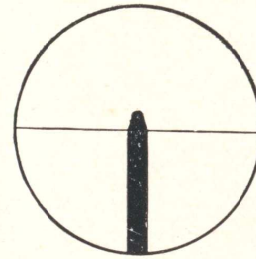
Above models either with or without Mounting-Rail.

Code Word	Magnification	Objective mm	Light-Intensity	Field of view yds/1000	Eye Relief inch.	Total Length of Scope mm	Wght ozs.	Price \$
Duralytone	1 1/2 x	13.5	81	22	3 1/8	258	7 1/2	65.—
Duralyttwo	2 3/4 x	18	42.8	14.5	3 1/8	255	7 1/2	71.—
Duralytfour	4 x	26	42	11	3 1/8	269	8	78.—
Duralytsix	6 x	42	49	7	3 1/8	312	12 1/2	106.—
Dural-Dialytan	4 x	36	81	10	3 1/8	280	11	90.—

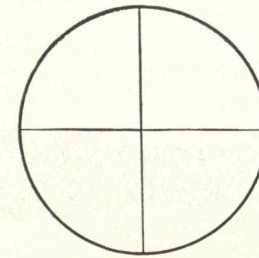
# Hensoldt

## Reticules for Telescopic Sights

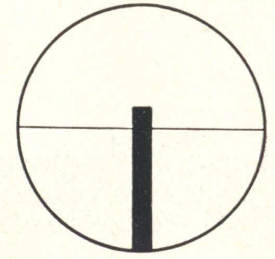
All prices for Telescopic Sights include either of the following 3 reticules No. 5 AU, No. 6 MY, No. 2 DO:



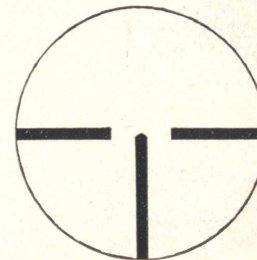
No. 5—Au



6—My



2—Do



No. 1



No. 4

**MB**

Either of above reticules Nos. 5 AU, 6 MY, 2 DO, may be selected as equipment for any scope from our stock without extra charge.

Subsequent furnishing of same, price \$ 6.00 each. Charge for attaching \$ 4.00.

Above reticules Nos. 1 or 4, extra charge \$ 6.00 each, no extra charge for attaching when ordered with new Telescopic Sight. Other reticules, and special designs, from \$ 8.00 to \$ 14.00 each, fitting extra.

Most hunters and rifle experts prefer and recommend the reticule No. 5 AU. The flat top of the blunted picket post of No. 5 AU covers 3" at 100 yards.

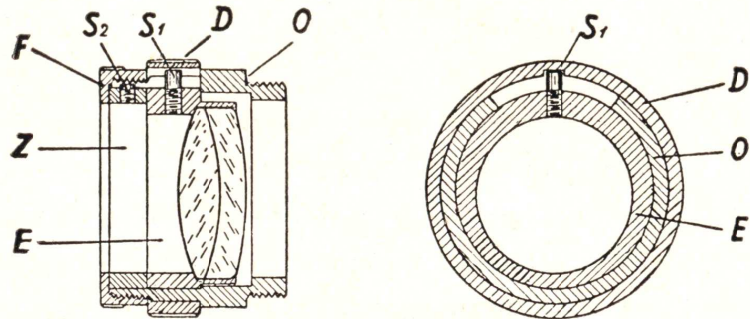
Any HENSOLDT Telescopic Sight can be delivered with Eccentric Windage adjustment at \$ 9.00 extra. Leather caps with strap are included in the price of each telescopic sight.



# Hensoldt

## Telescopic Sights

with Eccentric Windage Adjustment, copyrighted



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If desired, we equip our telescopic sights with eccentric motion of the objective, whereby the reticule may be shifted laterally, thus eliminating the windage adjustment on the mounting. The adjustment works as follows: After loosening the locking ring F, the eccentric E is adjusted by means of the knurled ring D. If this ring is turned to the right, the reticule is shifted to the right. The divergence from the standard position of the reticule is then read off a scale. - After the objective has been suitably adjusted, the locking ring F is to be tightened firmly. An inadvertent displacement of the objective is obviated by the intermediate ring Z.

This windage adjustment is \$ 9.00 additional.

Mounting of the telescopic sight upon the rifle is preferably entrusted to an expert gunsmith.

All prices in this folder are subject to change without notice.

# Hensoldt

Binoculars and Telescopic Sights are products of highest quality. Based upon an 87 years' experience in construction of optical precision instruments, the Hensoldt factory has perfected its products to such a degree, that even the most discriminating user will be satisfied.

**The name Hensoldt has a World Reputation.**

**The name Hensoldt is a guarantee of perfect quality.**

The number of Hensoldt original inventions in the optical and mechanical field is large. Hensoldt inventions have been generally adopted by the entire industry, as for instance the Center Focusing Device for binoculars, a Hensoldt Patent. The Roof-Prism (Dialyt) is another example of Hensoldt Patents, as well as the Telescopic Sights in light weight metal, which are first offered to the world by Hensoldt.

