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(12) **United States Design Patent**
Peters et al.

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(54) **TARGETING DISPLAY FOR A
RANGEFINDER, RIFLESCOPE, OR OTHER
AIMED OPTICAL DEVICE**

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(51) **LOC (9) Cl.** **22-01**

(52) **U.S. Cl.** **D22/109**

(58) **Field of Classification Search** D22/108-110;
D16/13, 132, 134; 33/227, 297, 298; 42/122,
42/111-113, 130, 124, 134-145; 235/414;
356/11, 21; 359/424, 428; 89/161, 41, 19,
89/200-204

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,190,121 A 7/1916 Critchett
1,406,620 A 2/1922 Dear
1,428,389 A * 9/1922 Miller 42/133
2,171,571 A 9/1939 Karnes
2,464,521 A 3/1949 McCall

3,058,391 A 10/1962 Leupold
3,190,003 A 6/1965 O'Brien
3,297,389 A 1/1967 Gibson
3,313,026 A 4/1967 Akin, Jr.
3,381,380 A 5/1968 Thomas
3,392,450 A 7/1968 Herter et al.
3,431,652 A 3/1969 Leatherwood
3,470,616 A 10/1969 Thompson
3,492,733 A 2/1970 Leatherwood

(Continued)

OTHER PUBLICATIONS

Kahles GmbH, TDS Tri-Factor Reticle System, www.kahlesoptik.com/products/tds_reticle.html, visited Oct. 15, 2003, 2 pgs.

(Continued)

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(57) **CLAIM**

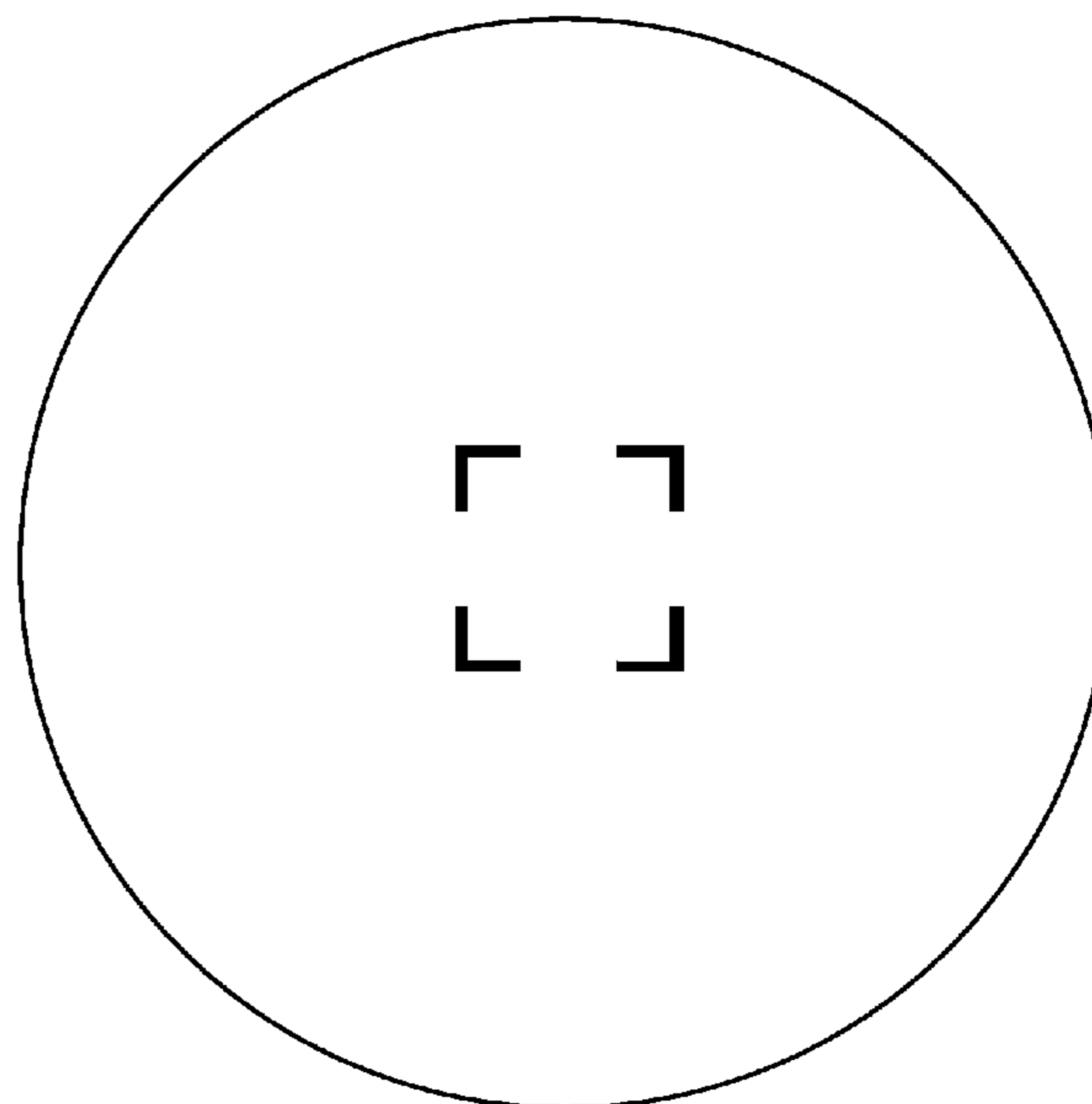
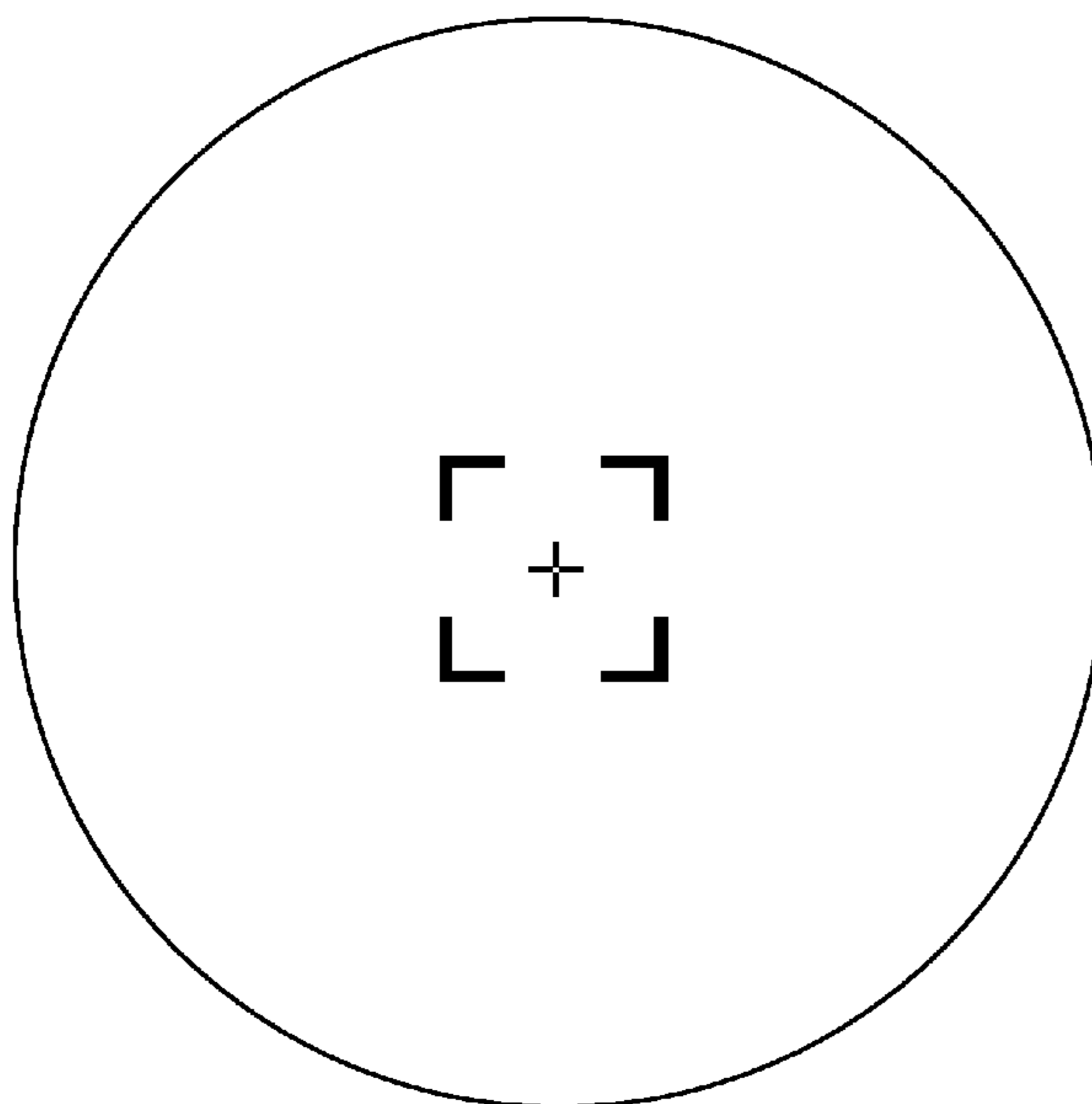
We claim the ornamental design for a targeting display for a
rangefinder, riflescope, or other aimed optical device, as
shown and described.

DESCRIPTION

FIG. 1 is a view of a targeting display for a rangefinder,
riflescope, or other aimed optical device in a first configura-
tion, showing the reticle of the targeting display in accordance
with a first embodiment; and,

FIG. 2 is a view of the targeting display of FIG. 1 in a second
configuration, showing the reticle of the targeting display in
accordance with a second embodiment.

1 Claim, 1 Drawing Sheet



U.S. PATENT DOCUMENTS

3,540,256	A	11/1970	Thompson	
3,684,376	A	8/1972	Lessard	
3,826,012	A	7/1974	Pachmayr	
3,948,587	A	4/1976	Rubbert	
4,263,719	A	4/1981	Murdoch	
4,285,137	A	8/1981	Jennie	
4,389,791	A	6/1983	Ackerman	
4,403,421	A	9/1983	Shepherd	
4,584,776	A	4/1986	Shepherd	
4,618,221	A	10/1986	Thomas	
4,806,007	A	2/1989	Bindon	
D306,173	S	2/1990	Reese	
4,912,853	A *	4/1990	McDonnell et al.	33/228
4,957,357	A	9/1990	Barns et al.	
5,491,546	A *	2/1996	Wascher et al.	42/122
5,616,903	A	4/1997	Springer	
5,669,174	A	9/1997	Teetzel	
D397,704	S	9/1998	Reese	
D403,686	S	1/1999	Reese	
5,920,995	A	7/1999	Sammut	
6,032,374	A	3/2000	Sammut	
6,357,158	B1	3/2002	Smith, III	
D456,057	S	4/2002	Smith, III	
6,453,595	B1	9/2002	Sammut	
6,516,551	B2	2/2003	Gaber	
6,516,699	B2	2/2003	Sammut et al.	
D475,758	S	6/2003	Ishikawa	
6,574,900	B1	6/2003	Malley	
6,591,537	B2	7/2003	Smith	
D506,520	S	6/2005	Timm et al.	
D517,153	S	3/2006	Timm et al.	
D522,030	S	5/2006	Jenkinson	
D530,775	S	10/2006	LaCorte	
D530,776	S	10/2006	LaCorte	
D532,477	S	11/2006	Zaderey et al.	
D536,762	S	2/2007	Timm et al.	
7,171,775	B1	2/2007	Lacorte	
D542,879	S	5/2007	Zaderey	
D544,511	S	6/2007	Geurts	
D562,428	S *	2/2008	Peters et al.	D22/108
D570,441	S *	6/2008	Pride et al.	D22/109
2002/0191282	A1	12/2002	Edwards	
2004/0016168	A1	1/2004	Thomas et al.	
2005/0005495	A1	1/2005	Smith	
2005/0021282	A1	1/2005	Sammut et al.	
2005/0229468	A1	10/2005	Zaderey et al.	
2005/0257414	A1	11/2005	Zaderey et al.	
2007/0097351	A1	5/2007	York	

OTHER PUBLICATIONS

Kahles GmbH, TDS Tri-Factor Reticle System Step 1, www.kahlesoptik.com/products/step1.html, visited Oct. 15, 2003, 2 pgs.
 Kahles GmbH, TDS Tri-Factor Reticle System Step 2, www.kahlesoptik.com/products/step2.html, visited Oct. 15, 2003, 2 pgs.
 Kahles GmbH, TDS Tri-Factor Reticle System Step 3, www.kahlesoptik.com/products/step3.html, visited Oct. 15, 2003, 2 pgs.
 Kahles GmbH, TDS Tri-Factor Reticle System Step 4, www.kahlesoptik.com/products/step4.html, visited Oct. 15, 2003, 2 pgs.
 Kahles GmbH, TDS Tri-Factor Reticle System Decals, www.kahlesoptik.com/products/decals.html, visited Oct. 20, 2003, 3 pgs.
 Kahles GmbH, Bullet Sight-In and TDS Factor Chart Selection Reference Table, www.kahlesoptik.com/products/table.html, visited Oct. 15, 2005, 5 pgs.
 Swarovski Optik, TDS Tri-Factor Reticle System, "An Introduction and Familiarization on How Col. T.D. Smith's Shooting System Works", www.sportingrifles.com/tds_tri.htm, visited Oct. 16, 2003, 5 pgs.
 Leupold & Stevens Inc., Leupold 2003 Catalog; Nov. 2002, pp. 8, 9, 25 & 30.

Bray, Dr. Derek, "ISEMD Course External Ballistics Trajectory Modelling", Cranfield University, <http://www.rmcs.cranfield.ac.uk/aerextra/isemdtrajmod.ppt>, visited Oct. 6, 2003, 23 pgs.
 Intelligration Systems Group, "What is Ballistic Coefficient and How Is It Calculated," Topic of the Month: Sep. 2001, www.loadammo.com/Topics/September01.htm, 3 pgs.
 Bercovitz, John; "Hatcher's Notebook—errata," www.yarchive.net/gun/hatchers_notebook.html, visited Nov. 1, 2003, 3 pgs.
 Ingalls Tables Historical Summary, www.51phantom.com/ebexplained/4th/30.cfmingalls+tables&hl=en&ie=utf-8, visited Nov. 1, 2003, 4 pgs.
 Schmidt & Bender GmbH, "Rifle Scopes Built for the Demanding Needs of the Precision Sharpshooter," 3 pgs, date unknown.
 Shepherd Scope Ltd., Shepherd's Easy One Shot Zero, product brochure, 2 pgs, date unknown.
 Swarovski Optik, advertisement for "Christmas Tree Reticle", 1 page, date unknown.
 Trijicon, Inc., Bindon Aiming Concept Reticles, 5 pgs, date unknown.
 Nightforce Precision Optics, Illuminated Reticles, 1 page, date unknown.
 Elcan Optical Technologies, SpecterIR Thermal Weapon Sight, M240/M249 Machine Gun Reticle and M4 Carbine Reticle, 10 pgs, date unknown.
 Burris, Optics, Plex Reticle and Ballistic Mil-Dot Reticle, <http://www.burrisoptics.com/reticles.html>, 3 pgs, date unknown.
 Carl Zeiss, Reticles, 2 pgs, date unknown.
 Simmons Outdoor Corporation, 2003 Catalog, pp. 9 and 11.
 Premier Reticles, Ltd., Introducing the Next Generation Mil-dot reticle-GEN 2 MIL-DOT, www.premierreticles.com/gen2.html, visited Nov. 21, 2002, 2 pgs.
 Premier Reticles, Ltd., Mil-dot User Guide, www.premierreticles.com/mildotgu.htm, visited Nov. 21, 2002, 14 pgs.
 Premier Reticles, Ltd., 2002 Pricing & Information/Catalog, Aug. 1, 2002, 21 pgs.
 German text on riflescopes: "Zusammenstellung Moglicher Zielfemrohr-Absehen", p. 477, date unknown.
 Redfield Optics, LE-9 Sniper Reticle, Jul. 19, 1994, 1 page.
 D.O.D. Proprietary Data Drawing for Special Reticle for SSG86-10 Power Optic for Exclusive Use by Gun South, Inc., Jun. 30, 1986, 1 page.
 Nightforce Optics, Reticle Selection, <http://www.nightforceoptics.com>, visited Feb. 11, 2005, 6 pages.
 Schmidt & Bender, Standard Reticles, <http://www.schmidtbender.com/reticlesstandard.htm>, visited Feb. 11, 2005, 2 pages.
 Leatherwood Optics, Automatic Ranging & Trajectory Scopes, 2001, 7 pages.
 Leatherwood Optics, The Leatherwood Sporter, 1999, 16 pages.
 Leatherwood Optics, Telescope / Auto-Ranging ART II Operation Manual, date unknown (at least as early as 2000), 11 pages.
 Hi-Lux Optics, Instructions For The HI-LUX™ UNI-DIAL™ The first Programmable Range Dial, date unknown (at least as early as Sep. 2006), 4 pages.
 Hi-Lux Optics, The new NO-MATH™ Mil-Dot Reticle, date unknown (at least as early as Sep. 2006), 2 pages.
 Nightforce Optics, Reticle Selection, <http://www.nightforceoptics.com/?catid=4&viewitem=151> & PHPSESSID=9afba5fae7304ea2a266f9c7e44..., visited Feb. 8, 2005, 3 pages.
 Sniper's Hide Forum: New Nightforce Reticle?, <http://216.239.57/search?q=cache:c8E3KfXM6u0J:www.snipershide.com/cgi-bin/ubbcbgi/ultimatebb.c...>, visited Feb. 8, 2005, 9 pages.
 Bushnell Performance Optics, Trophy Riflescopes, <http://www.bushnell.com/riflescopes/specs/73-0135.cfm>, visited Aug. 25, 2005, 1 page.
 Newcon International Ltd., Newcon Optik Professional Laser Rangefinder Monoculars LRM 2500/LRM2500C, Specifications and Operations manual, 13 sheets, 2004.
 Bushnell Performance Optics, Laser Rangefinder, http://www.bushnell.com/products/tech_talk/rangefinders.cfm, visited Oct. 22, 2005, 2 pages.

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U.S. Appl. No. 11/265,546, filed Nov. 1, 2005.

Pending U.S. Appl. No. 29/298,772, filed Dec. 12, 2007.

Pending U.S. Appl. No. 29/298,774, filed Dec. 12, 2007.

Pending U.S. Appl. No. 29/298,777, filed Dec. 12, 2007.

Pending U.S. Appl. No. 29/298,778, filed Dec. 12, 2007.

* cited by examiner

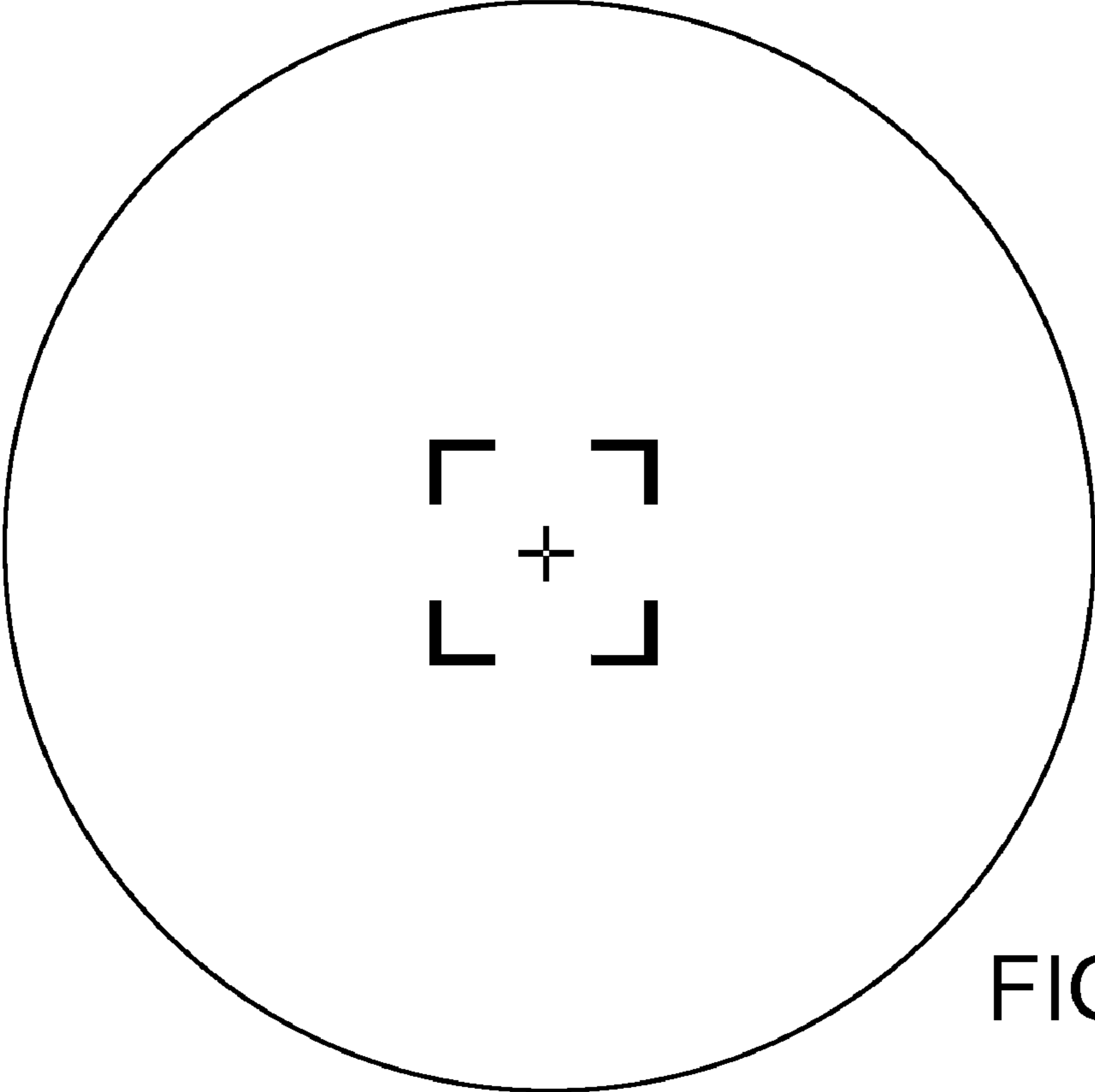


FIG. 1

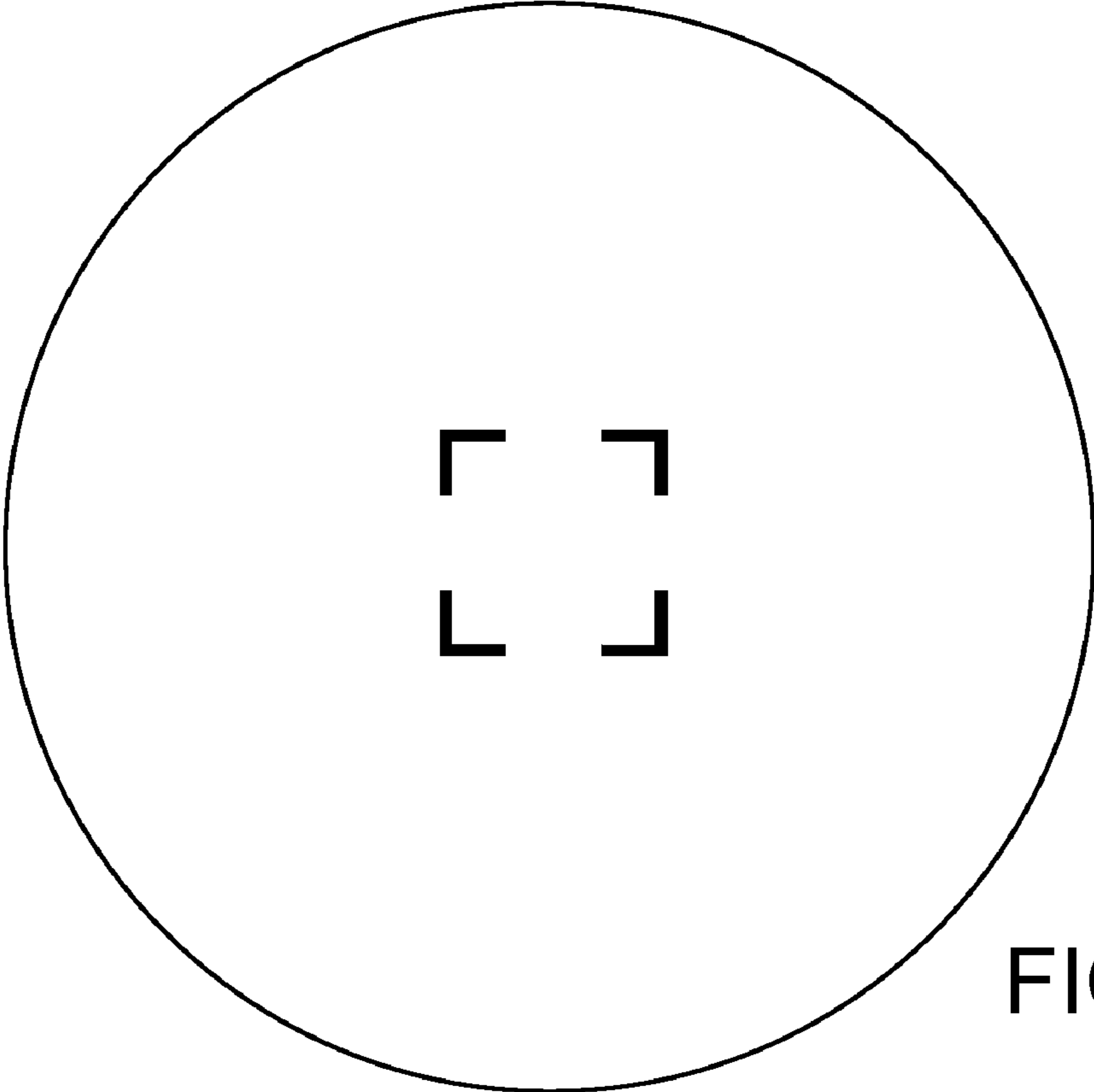


FIG. 2