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(12) United States Design Patent

Haddadin

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(54) **CIRCLE AND BI-DIRECTIONAL RAY DRAWING DEVICE**

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(**) Term: **14 Years**

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(51) **LOC (8) Cl.** **10-04**
(52) **U.S. Cl.** **D10/65**
(58) **Field of Classification Search** ..... D10/65; 33/27.01, 27.031, 27.032, 27.033, 465, 468, 33/471, 534, 538, 481, 485, 489, 678, 666, 33/1 AP, 1 N
See application file for complete search history.

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(57) **CLAIM**

What is claimed is the ornamental design for a circle and bi-directional ray drawing device, as shown and described herein.

DESCRIPTION

FIG. **1** is an elevated, perspective view of the circle and bi-directional ray drawing device, which includes a 360° protractor pivotally connected to a pair of radius arms;

FIG. **2** is a bottom plan view of the embodiment shown in FIG. **1**, wherein the protractor is shown as being transparent; however, this design feature can be transparent, translucent, or opaque;

FIG. **3** is a top plan view of the embodiment shown in FIG. **1**, wherein the radius arm is shown as being transparent; however, this design feature can be transparent, translucent, or opaque;

FIG. **4** is a right side edge view taken perpendicularly with respect to the radius arms of FIG. **1**;

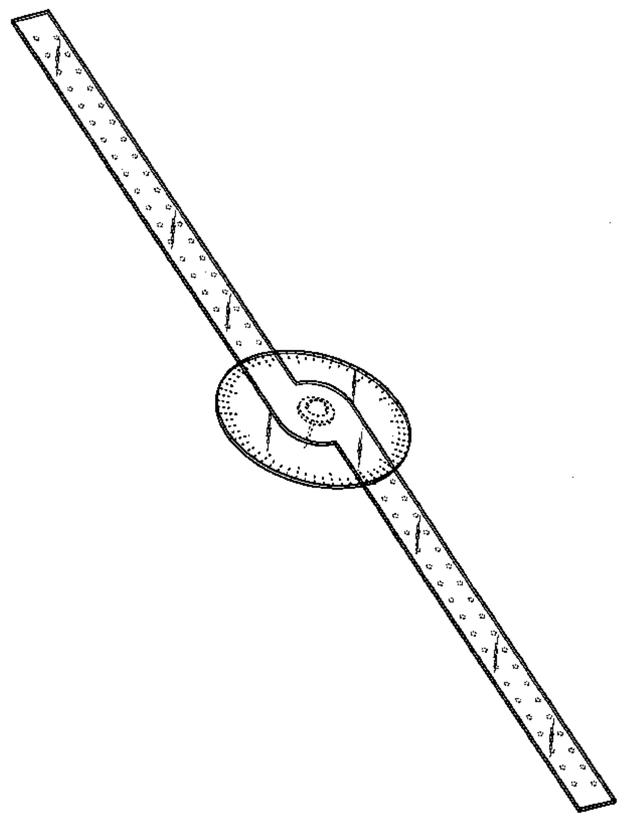
FIG. **5** is an upper edge view of the embodiment shown in FIG. **1** taken perpendicular to the view of FIG. **4**;

FIG. **6** is a lower edge view of the embodiment shown in FIG. **1** taken perpendicular to the view of FIG. **4**; and,

FIG. **7** is a left side edge view taken perpendicularly with respect to the radius arms of FIG. **1**.

The thicknesses shown in FIGS. **1**, **4**, **5**, **6**, and **7** of the disk and the radius arm are not necessarily to scale, due to line thicknesses and/or other illustration limitations. Typically, the thicknesses of these layers will each be less than about 1 centimeter, with no relative thicknesses being implied by the drawings. Additionally, certain design features are shown in phantom or broken lines for illustrative purposes only, thereby forming no part of this claimed invention.

1 Claim, 4 Drawing Sheets



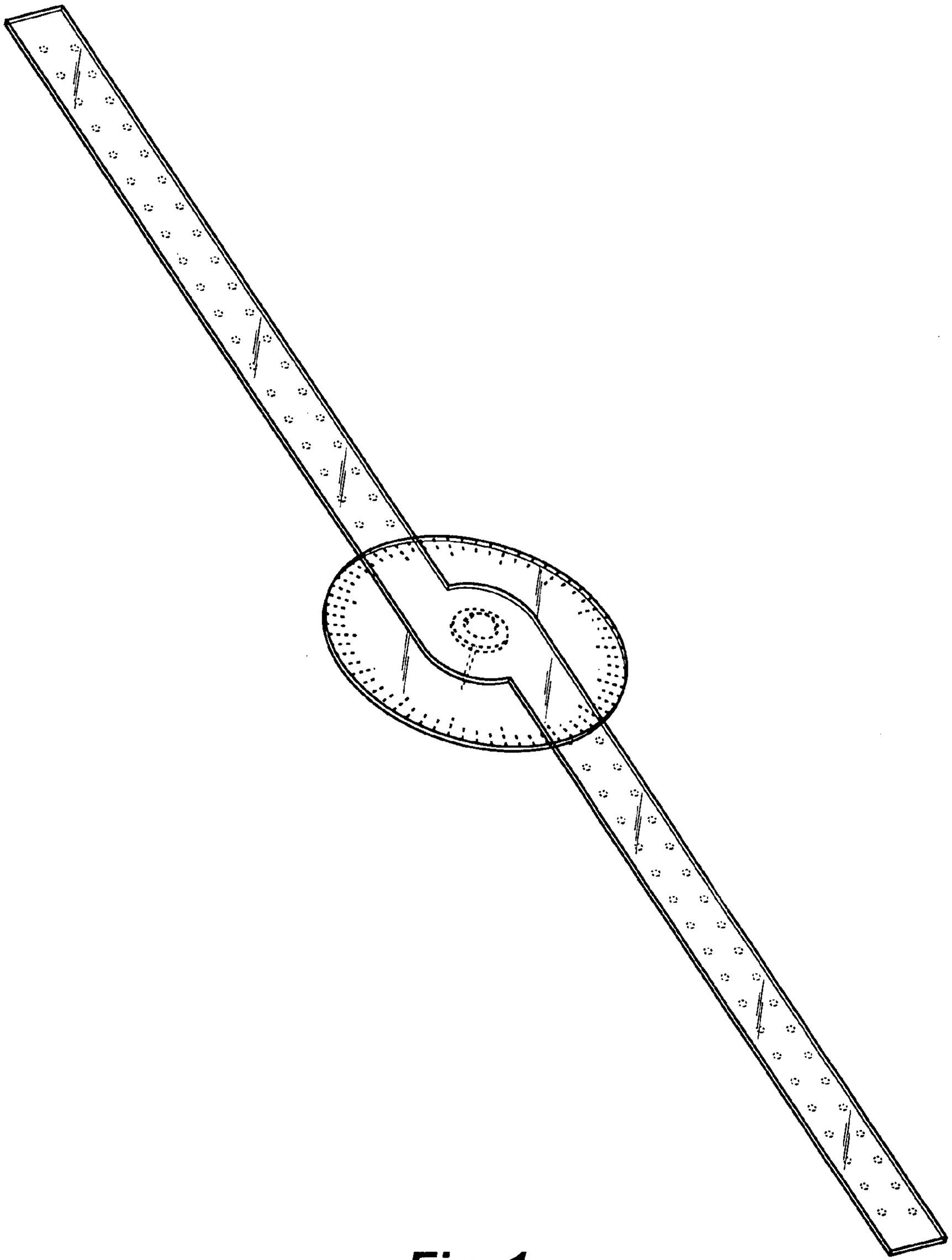


Fig. 1

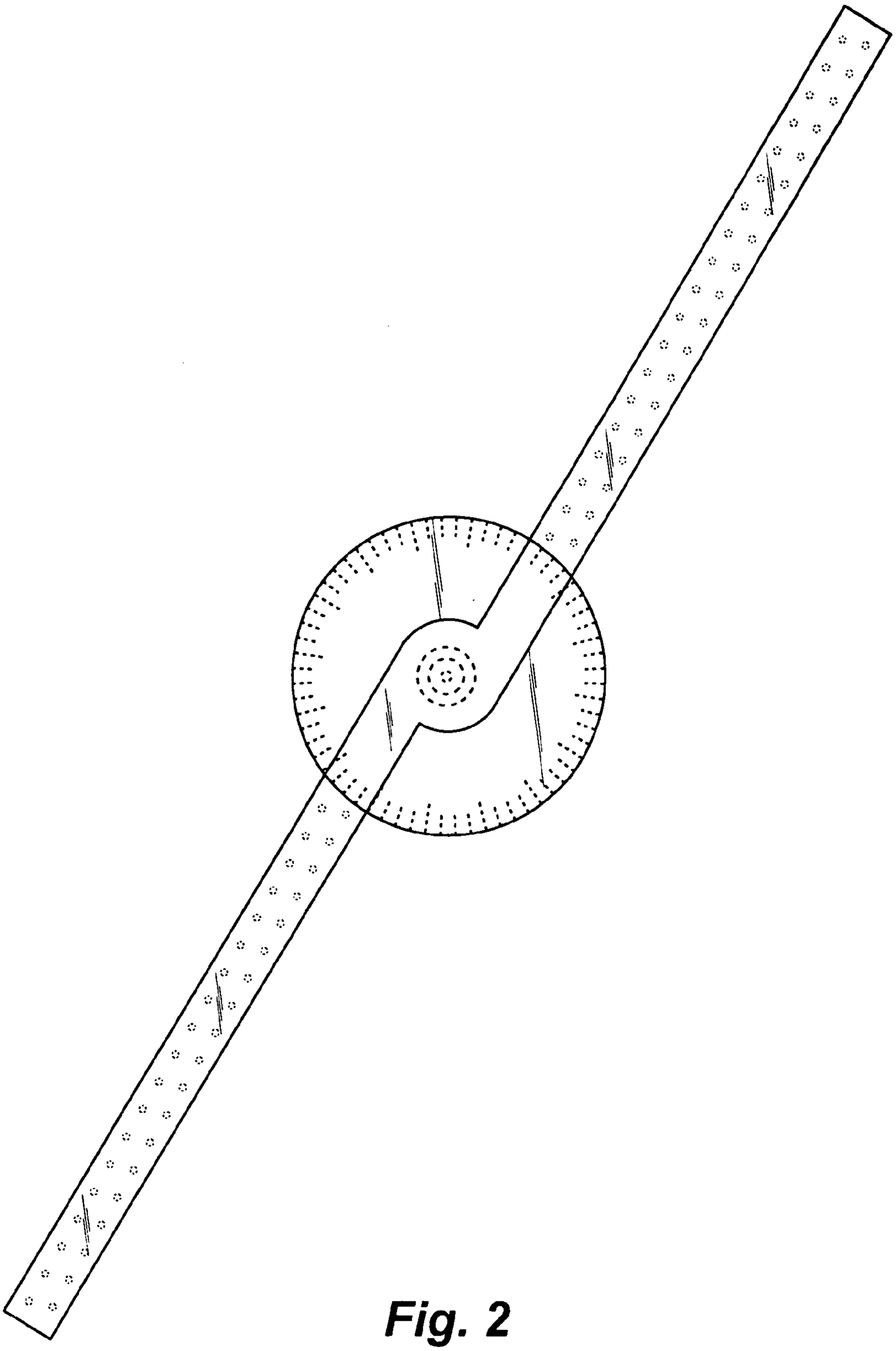


Fig. 2

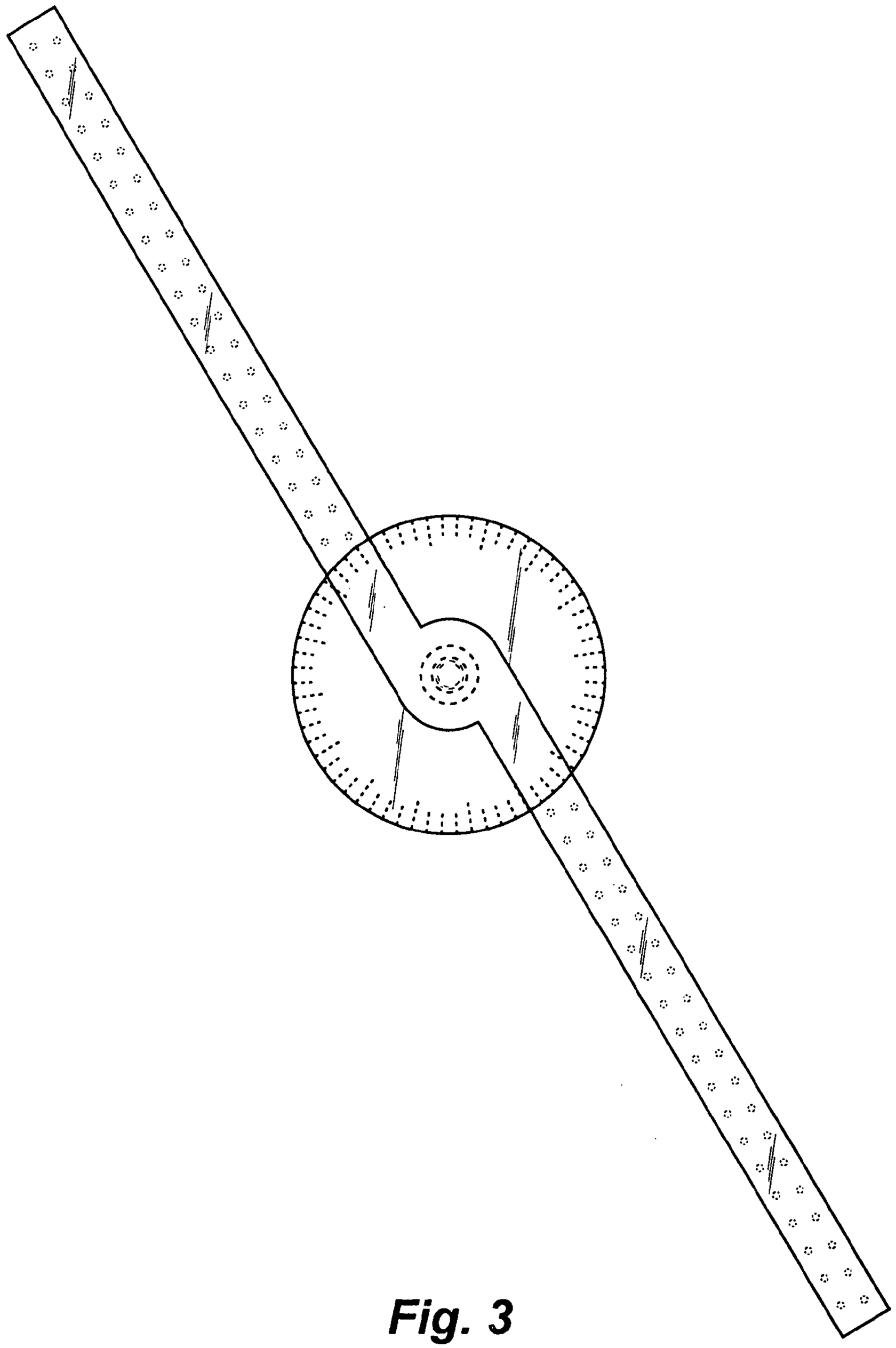


Fig. 3

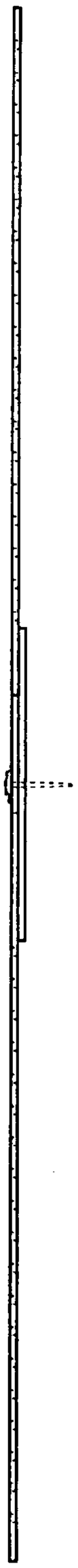


Fig. 4

Fig. 5

Fig. 6

Fig. 7