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

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(54) **LINKAGE ASSEMBLY FOR USE WITH PUSH BUTTON LATCH AND LOCK OPERATING ASSEMBLIES**

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

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**Related U.S. Application Data**

(63) Continuation-in-part of application No. 09/698,416, filed on Oct. 27, 2000, and a continuation-in-part of application No. 29/152,852, filed on Dec. 27, 2001, which is a continuation-in-part of application No. 29/142,044, filed on May 17, 2001, which is a continuation-in-part of application No. 29/131,819, filed on Oct. 27, 2000, now Pat. No. Des. 447,042, which is a continuation-in-part of application No. 29/113,063, filed on Oct. 28, 1999, now Pat. No. Des. 445,015, application No. 29/159,991, which is a continuation-in-part of application No. 29/152,851, filed on Dec. 27, 2001, which is a continuation-in-part of application No. 29/142,044, filed on May 17, 2001, which is a continuation-in-part of application No. 29/131,819, filed on Oct. 27, 2000, now Pat. No. Des. 447,042, which is a continuation-in-part of application No. 29/113,063, filed on Oct. 28, 1999, now Pat. No. Des. 445,015.

(51) **LOC (7) Cl.** ..... **08-07**

(52) **U.S. Cl.** ..... **D8/330**

(58) **Field of Search** ..... D8/330, 331, 336,  
D8/343; 292/82, 208, 210, 216, 209, 309,  
300, 63, 56; 285/312

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

113,070 A 3/1871 Loeffelholz et al. .... 292/34

|             |         |                 |           |
|-------------|---------|-----------------|-----------|
| 417,589 A   | 12/1889 | Rose            | 292/40    |
| 480,148 A   | 8/1892  | Theby           | 292/36    |
| 491,824 A   | 2/1893  | Walker          | 200/61.64 |
| 767,567 A   | 8/1904  | Keil            | 292/127   |
| 876,300 A   | 1/1908  | Couret          | 292/135   |
| 925,455 A   | 6/1909  | Campbell        | 70/81     |
| 1,018,077 A | 2/1912  | Petterson       | 70/150    |
| 1,058,346 A | 4/1913  | Berstler        | 292/21    |
| 1,174,652 A | 3/1916  | Banks           | 292/36    |
| 1,368,141 A | 2/1921  | Hagstrom        | 292/34    |
| 1,531,605 A | 3/1925  | Gaynor          | 200/535   |
| 1,556,864 A | 10/1925 | Mendenhall      | 292/33    |
| 1,571,453 A | 2/1926  | Maxon           | 292/170   |
| 1,672,901 A | 6/1928  | North           | 292/227   |
| 1,908,980 A | 5/1933  | Heyel           | 70/120    |
| 1,965,939 A | 7/1934  | Jacobi          | 70/29     |
| 2,059,479 A | 11/1936 | North           | 292/127   |
| 2,322,040 A | 6/1943  | Maruri          | 70/145    |
| 2,683,978 A | 7/1954  | Jacobi          | 70/360    |
| 2,705,884 A | 4/1955  | Craig           | 70/264    |
| 2,728,214 A | 12/1955 | Craig           | 70/149    |
| 2,755,519 A | 7/1956  | Xander          | 20/52     |
| 2,772,908 A | 12/1956 | Craig           | 292/280   |
| 2,911,247 A | 11/1959 | Corbin          | 292/48    |
| 2,987,907 A | 6/1961  | Cockburn et al. | 70/135    |

(List continued on next page.)

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(57) **CLAIM**

We claim the ornamental design for linkage assembly for use with push button latch and lock operating assemblies, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view showing principally top, front and right features of a linkage assembly for use with push button latch and lock operating assemblies, embodying our new design;

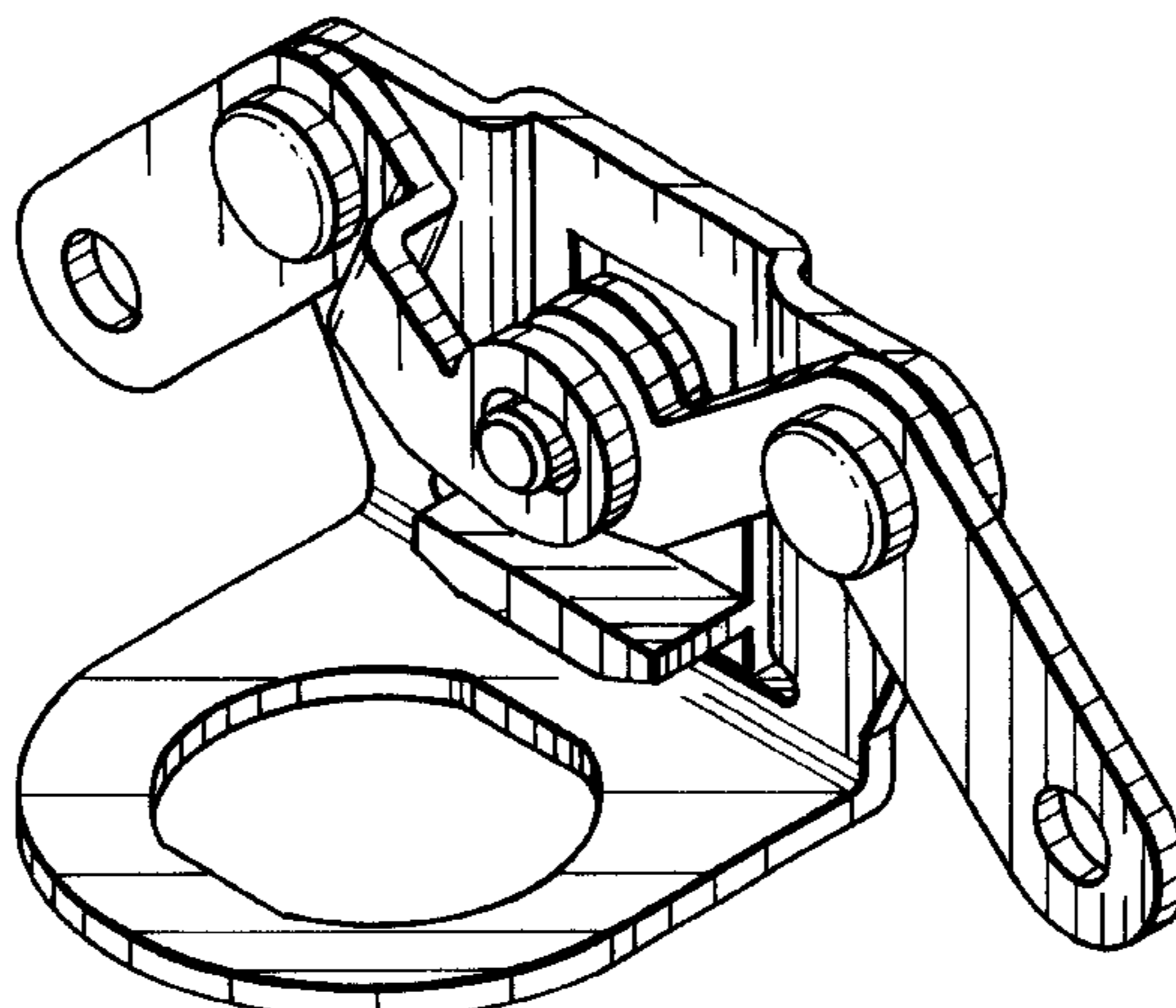
FIG. 2 is a top plan view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof; and,

FIG. 5 is a bottom view thereof.

**1 Claim, 3 Drawing Sheets**



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## U.S. PATENT DOCUMENTS

|             |         |                   |           |                |         |                  |            |
|-------------|---------|-------------------|-----------|----------------|---------|------------------|------------|
| 3,054,634 A | 9/1962  | Westerdale        | 292/336.3 | 5,526,660 A    | 6/1996  | Bennett et al.   | 70/208     |
| 3,545,799 A | 12/1970 | Gertsfeld         | 292/34    | D371,300 S     | 7/1996  | Mordick          | D8/343     |
| 3,602,017 A | 8/1971  | Bauer             | 70/78     | 5,564,295 A    | 10/1996 | Weinerman et al. | 70/208     |
| 3,834,780 A | 9/1974  | McClellan et al.  | 312/219   | 5,586,458 A *  | 12/1996 | Weinerman et al. | 70/208     |
| 3,964,280 A | 6/1976  | Kelton            | 70/84     | 5,595,076 A    | 1/1997  | Weinerman et al. | 70/208     |
| 4,059,296 A | 11/1977 | Panourgias        | 285/312   | 5,611,224 A    | 3/1997  | Weinerman et al. | 70/208     |
| 4,488,669 A | 12/1984 | Waters            | 224/273   | 5,816,630 A    | 10/1998 | Bennett et al.   | 292/341.17 |
| 4,601,499 A | 7/1986  | Kim               | 292/36    | 5,884,948 A    | 3/1999  | Weinerman et al. | 292/216    |
| 4,892,338 A | 1/1990  | Weinerman et al.  | 292/35    | 5,984,383 A    | 11/1999 | Parikh et al.    | 292/121    |
| 4,978,152 A | 12/1990 | Bisbing           | 292/169   | 6,012,747 A    | 1/2000  | Takamura et al.  | 292/216    |
| D313,337 S  | 1/1991  | Haskell           | D8/336    | D429,141 S *   | 8/2000  | Antonucci et al. | D8/331     |
| 5,042,853 A | 8/1991  | Gleason et al.    | 292/126   | 6,113,160 A    | 9/2000  | Johansson et al. | 292/169    |
| D324,635 S  | 3/1992  | Weinerman et al.  | D8/331    | D432,389 S     | 10/2000 | Johansson et al. | D8/331     |
| 5,308,126 A | 5/1994  | Weger, Jr. et al. | 292/53    | 6,231,091 B1 * | 5/2001  | Gleason et al.   | 292/34     |
| 5,346,266 A | 9/1994  | Bisbing           | 292/64    | D447,042 S     | 8/2001  | Weinerman et al. | D8/330     |
| 5,439,260 A | 8/1995  | Weinerman et al.  | 292/48    | 6,349,577 B1   | 2/2002  | Hansen et al.    | 70/159     |

\* cited by examiner

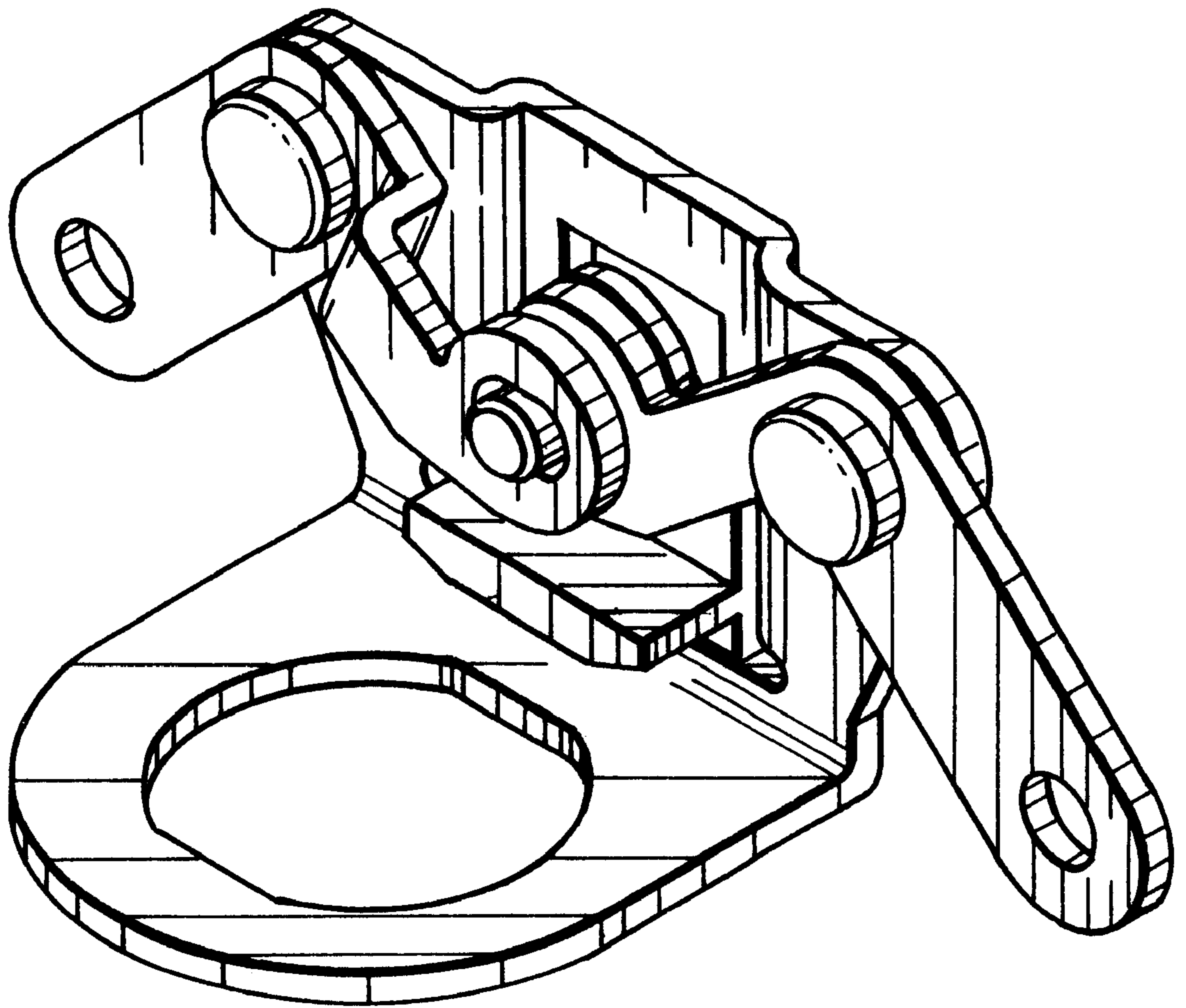


FIG. 1

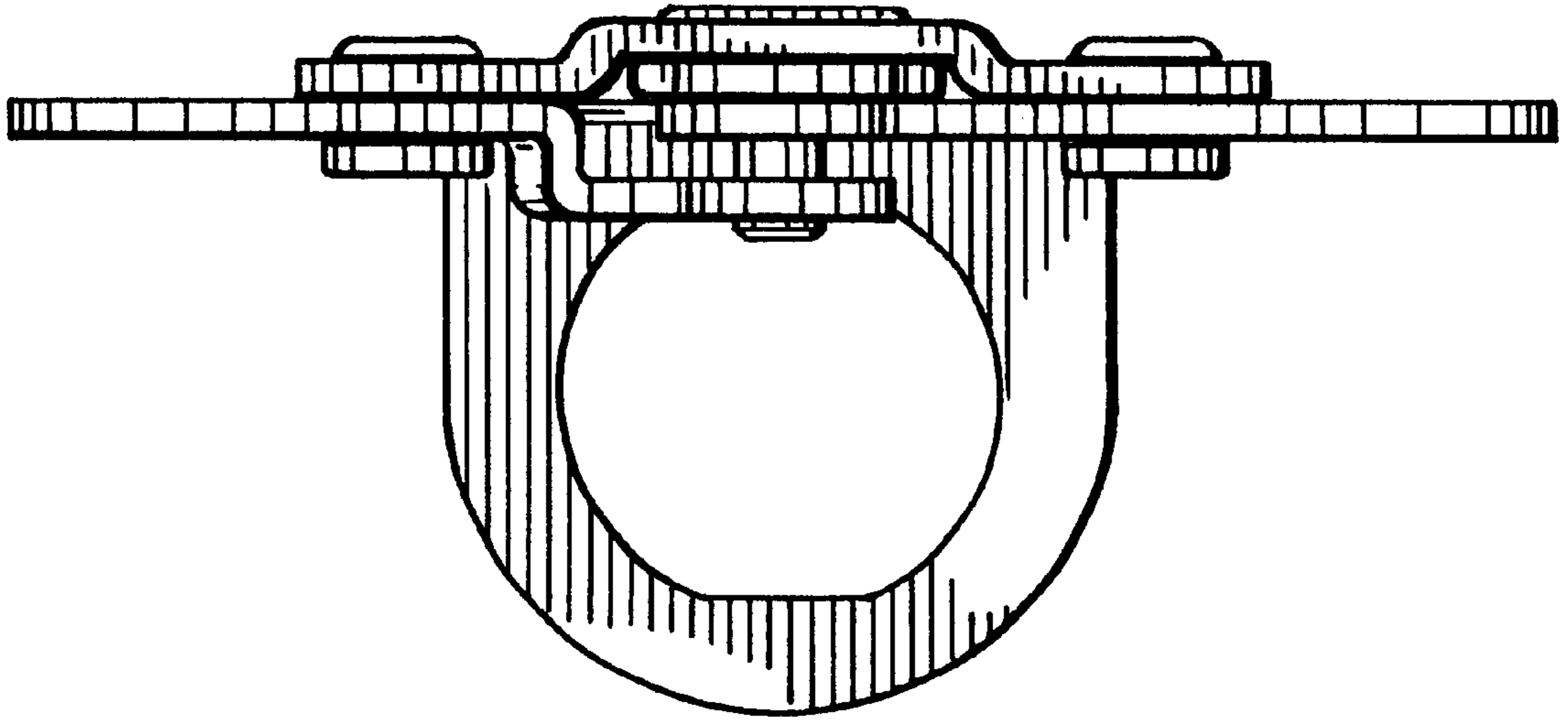


FIG. 2

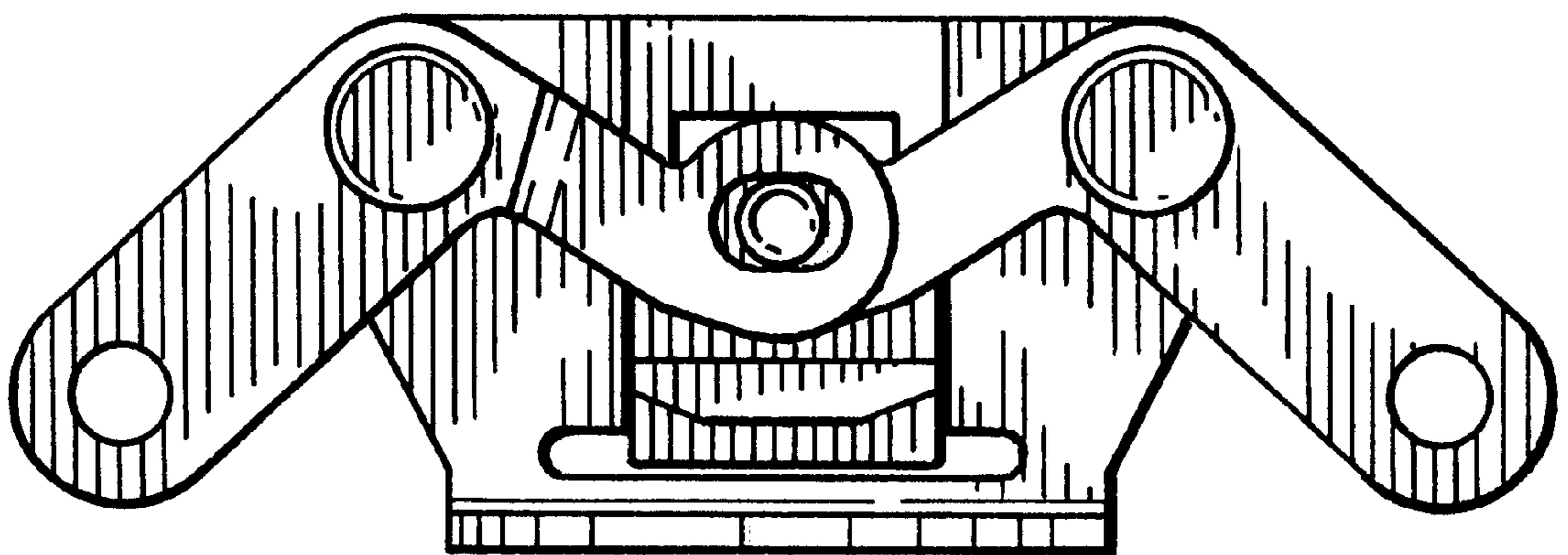


FIG. 3

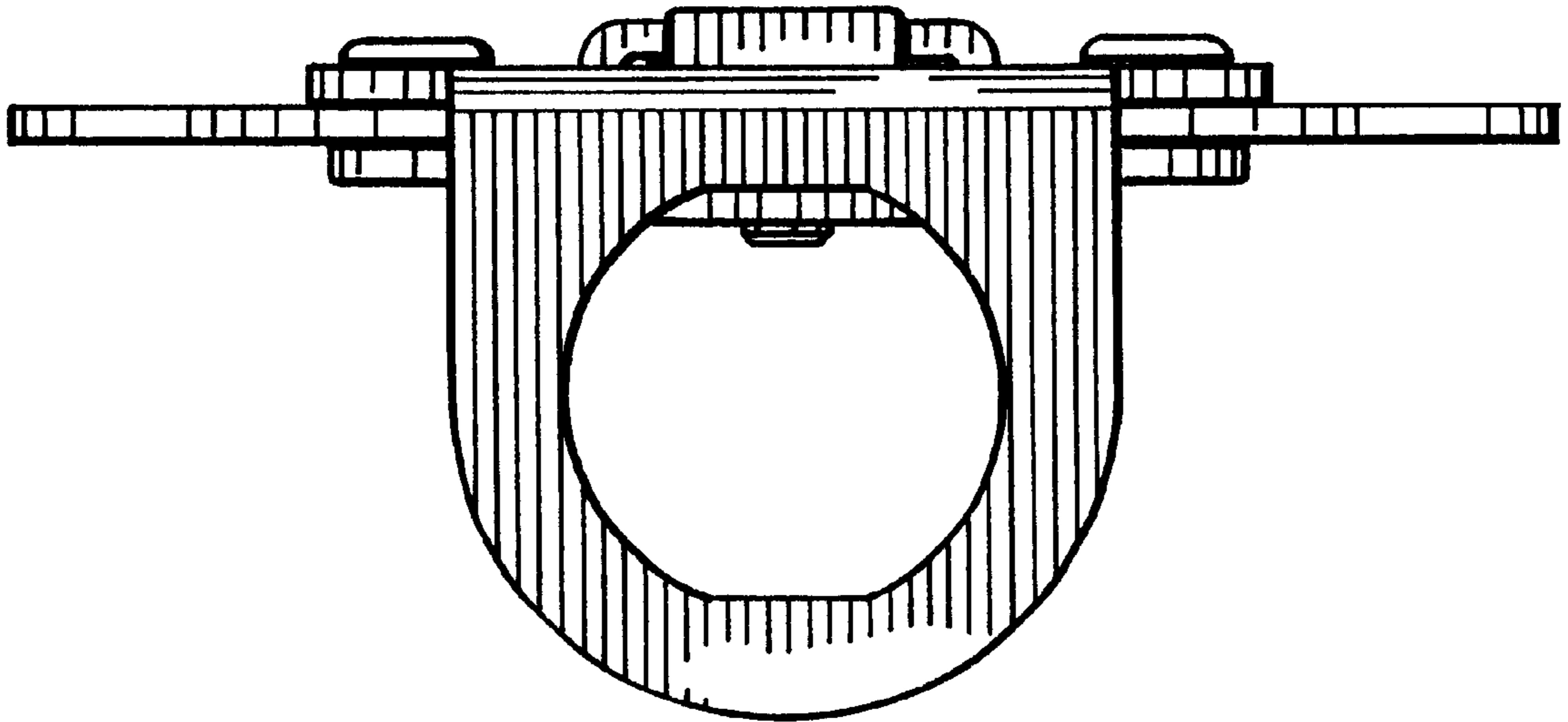


FIG. 4

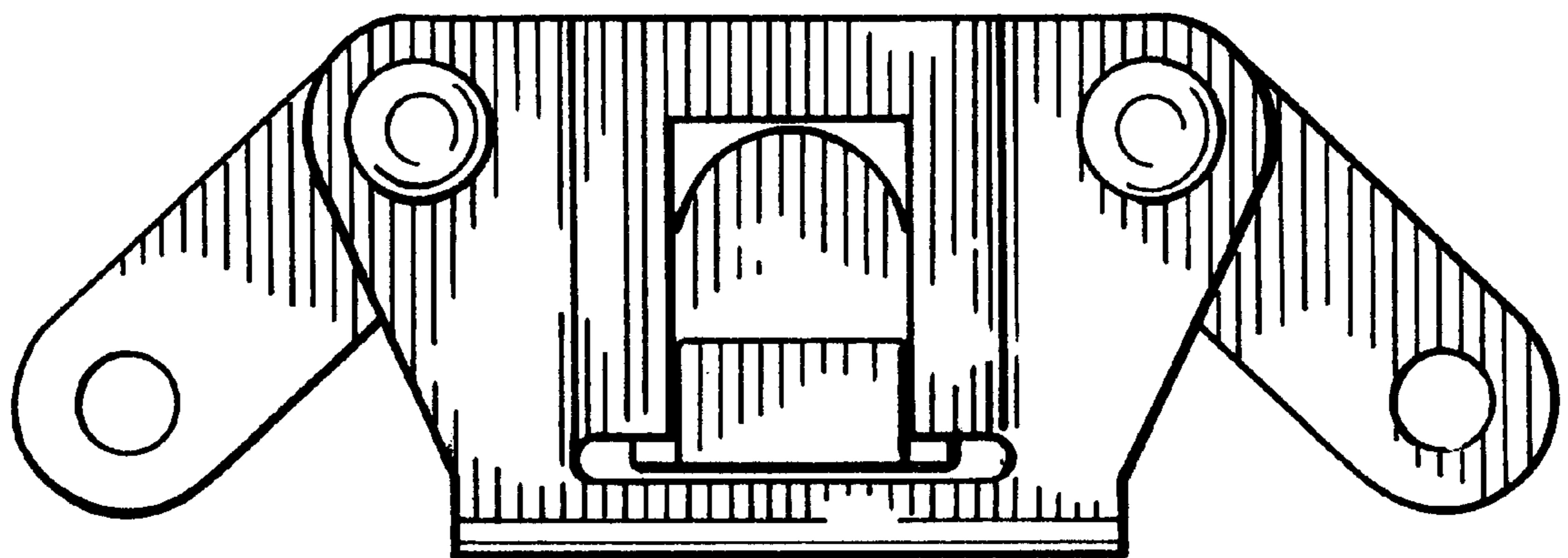


FIG. 5