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United States Patent [19] Castillo

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[54] OSTEOARTHRITIS KNEE BRACE

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[**] Term: 14 Years

[21] Appl. No.: 29/113,264

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[51] LOC (7) Cl. 24-04

[52] U.S. Cl. D24/190

[58] Field of Search D24/190; 602/5, 602/6, 23, 26

4,361,142 11/1982 Lewis et al. .
4,372,298 2/1983 Lerman .
4,381,768 5/1983 Erichsen et al. .
4,407,276 10/1983 Bledsoe .
4,428,369 1/1984 Peckham et al. .

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

297766 4/1989 European Pat. Off. .
1491569 7/1969 Germany .
2432766 3/1975 Germany .
8400533 11/1984 WIPO .

OTHER PUBLICATIONS

“Strength and Motor Task Performance as Effected by the Carbon Titanium Knee Brace in Normal Healthy Males”, by T.K. Iglehart, 1985, Colorado State Univ., Dept. of Physical Education, Fort Collins, Colo. spring 1985, pp. 1-12.

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[56] References Cited

U.S. PATENT DOCUMENTS

D. 269,379 6/1983 Bledsoe .
D. 284,702 7/1986 Castillo .
D. 298,568 11/1988 Womack et al. .
D. 318,736 7/1991 Castillo .
D. 346,028 4/1994 Lengyel .
D. 357,070 4/1995 Castillo .
D. 370,533 6/1996 Kilbey D24/190
D. 416,624 11/1999 Nauert D24/190
1,390,919 9/1921 Loth .
2,531,486 11/1950 Weber .
2,883,982 4/1959 Rainey .
3,030,634 4/1962 Blair .
3,099,448 7/1963 Salvo .
3,387,305 6/1968 Shafer .
3,669,105 6/1972 Castiglia .
3,779,654 12/1973 Horne .
3,785,372 1/1974 Craig .
3,817,244 6/1974 Taylor .
3,900,898 8/1975 Ackerman .
3,902,482 9/1975 Taylor .
3,928,872 12/1975 Johnson .
3,958,569 5/1976 Vosburgh .
4,136,404 1/1979 Lange .
4,169,467 10/1979 Robischong et al. .
4,241,730 12/1980 Helfet .
4,271,831 6/1981 Deibert .

[57] CLAIM

The ornamental design for an osteoarthritis knee brace, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the osteoarthritis knee brace of the present invention showing my new design with the phantom lines depicting solely environmental structure and forming no part of the claimed design;

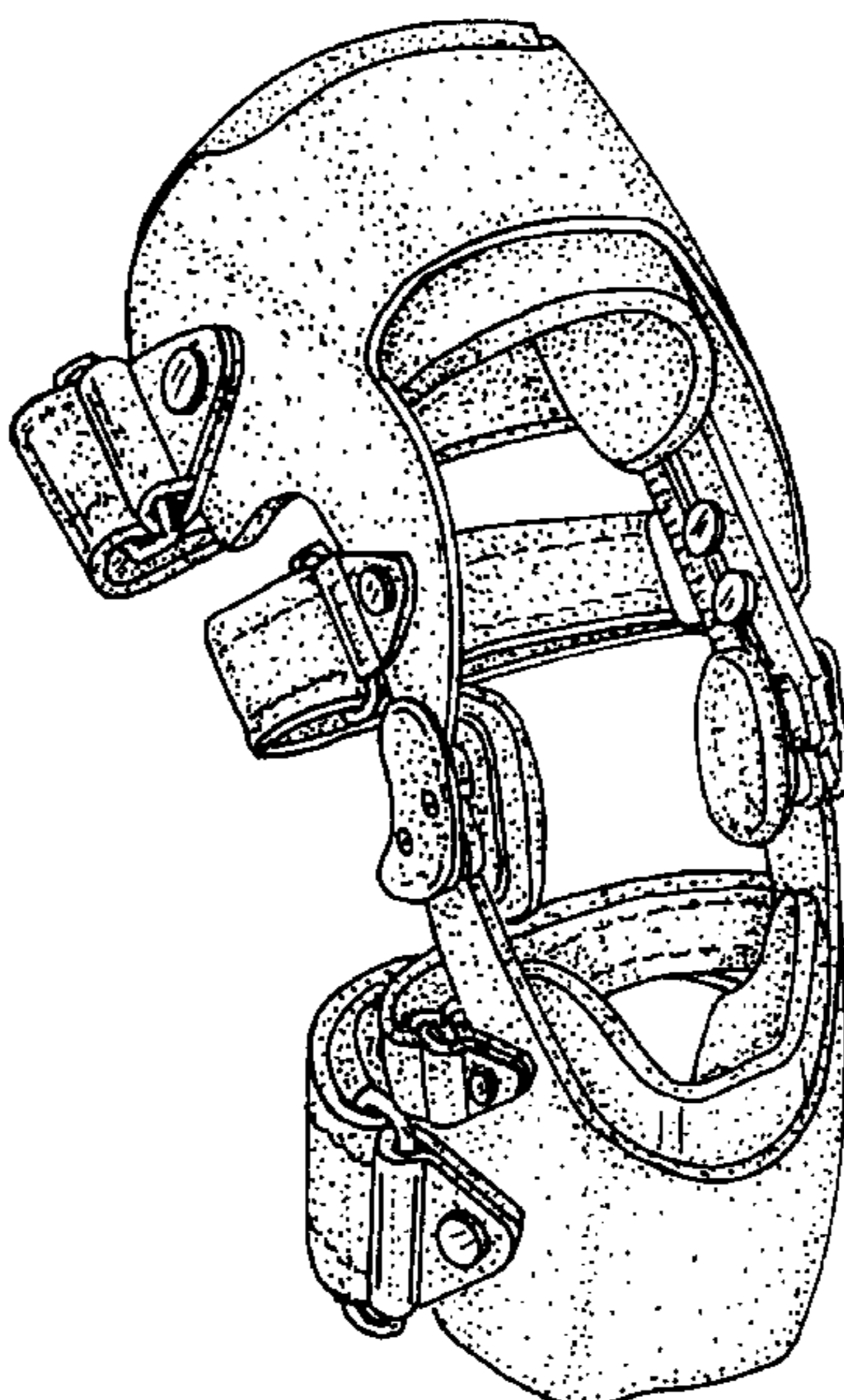
FIG. 2 is an enlarged front perspective view thereof;

FIG. 3 is a rear perspective view thereof; and,

FIG. 4 is a rear perspective view thereof with the securing straps depicted in an open configuration.

“The surface or portions of the article not shown in the drawing nor described in the specification form no part of the claimed design”.

1 Claim, 1 Drawing Sheet



U.S. PATENT DOCUMENTS

4,487,200	12/1984	Feanny et al. .	4,753,240	6/1988	Sparks .	
4,489,718	12/1984	Martin .	4,791,916	12/1988	Paez .	
4,493,316	1/1985	Reed et al. .	4,803,975	2/1989	Meyers .	
4,494,534	1/1985	Hutson .	4,854,308	8/1989	Drillio .	
4,503,846	3/1985	Martin .	4,856,501	8/1989	Castillo et al. .	
4,523,585	6/1985	Lamb et al. .	4,886,054	12/1989	Castillo et al. .	
4,554,913	11/1985	Womack et al. .	4,938,207	7/1990	Vargo .	
4,599,998	7/1986	Castillo .	4,940,044	7/1990	Castillo .	
4,603,690	8/1986	Skeen .	4,964,402	10/1990	Grim et al. .	
4,614,181	9/1986	Karlsson .	4,986,264	1/1991	Miller .	
4,620,532	11/1986	Houswerth .	5,063,916	11/1991	France et al. .	
4,621,624	11/1986	Rayboy .	5,121,742	6/1992	Engen .	
4,628,916	12/1986	Lerman et al. .	5,135,469	8/1992	Castillo .	
4,665,905	5/1987	Brown .	5,207,637	5/1993	Janke et al.	602/26
4,681,097	7/1987	Pansier .	5,230,697	7/1993	Castillo et al. .	
4,697,583	10/1987	Mason et al. .	5,288,287	2/1994	Castillo et al. .	
4,699,129	10/1987	Aaserude et al. .	5,743,865	4/1998	Townsend	602/26
4,715,363	12/1987	Detty .	5,857,989	1/1999	Smith, III	602/26
4,723,539	2/1988	Townsend .	5,891,071	4/1999	Stearns et al.	602/26

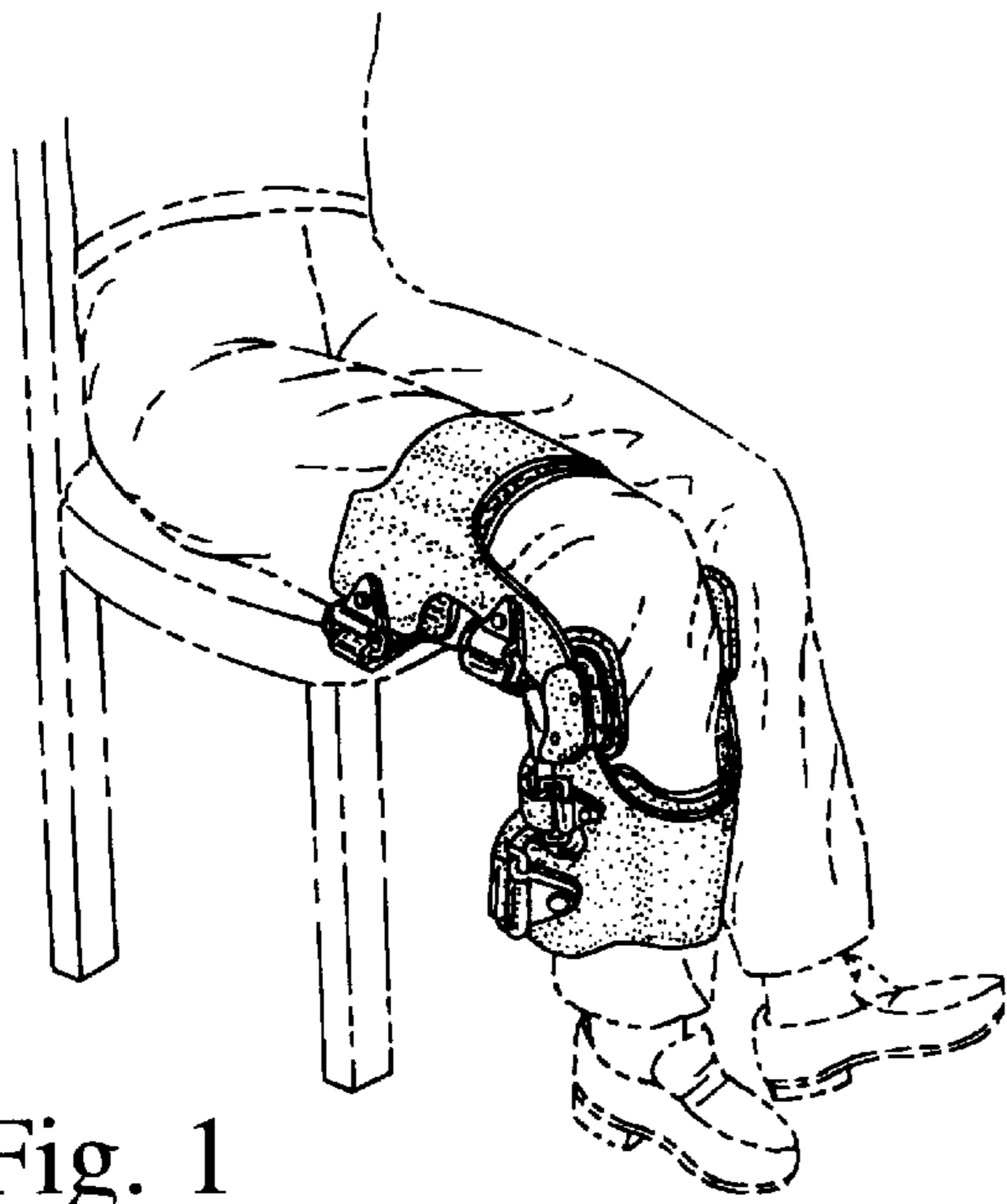


Fig. 1

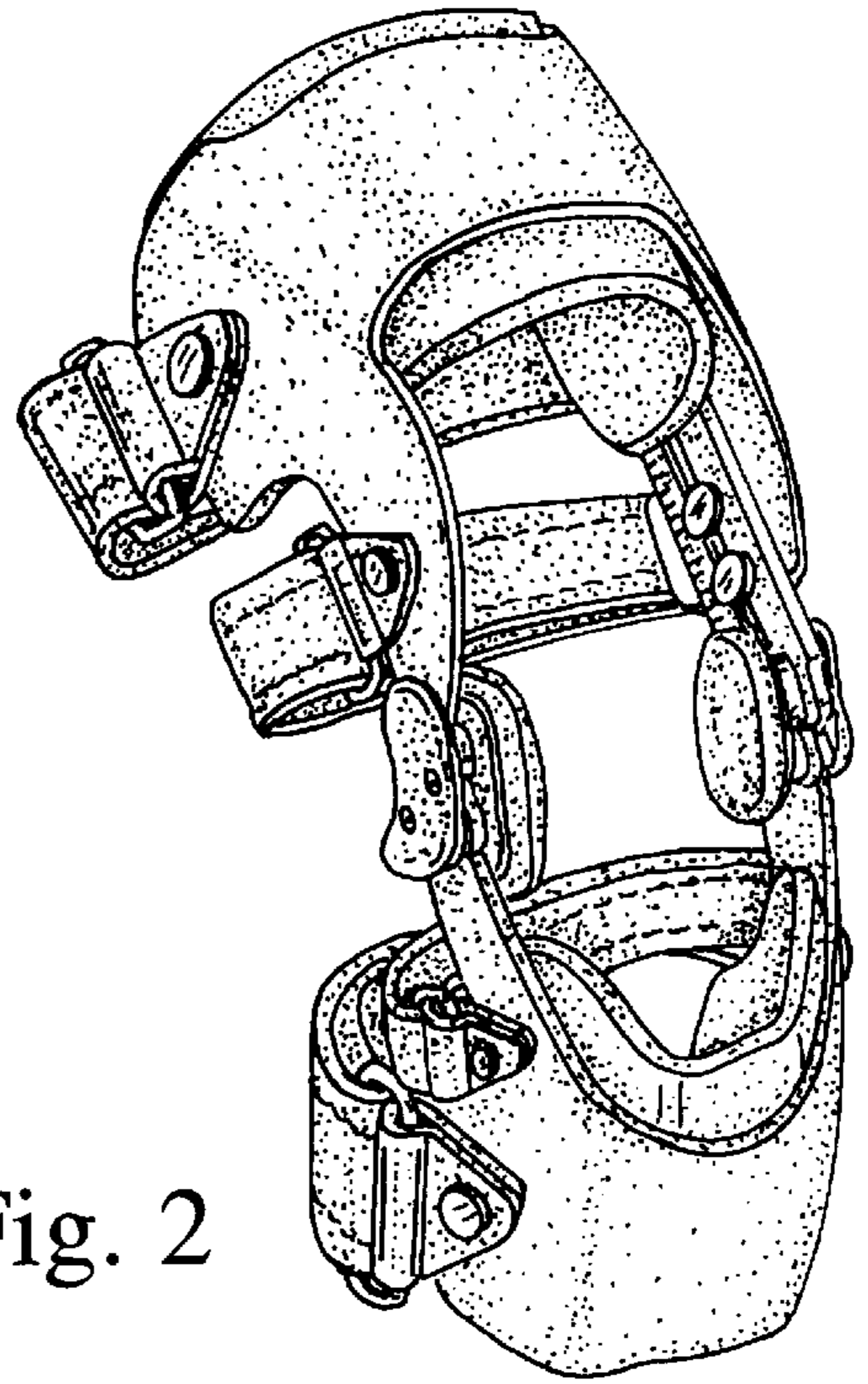


Fig. 2

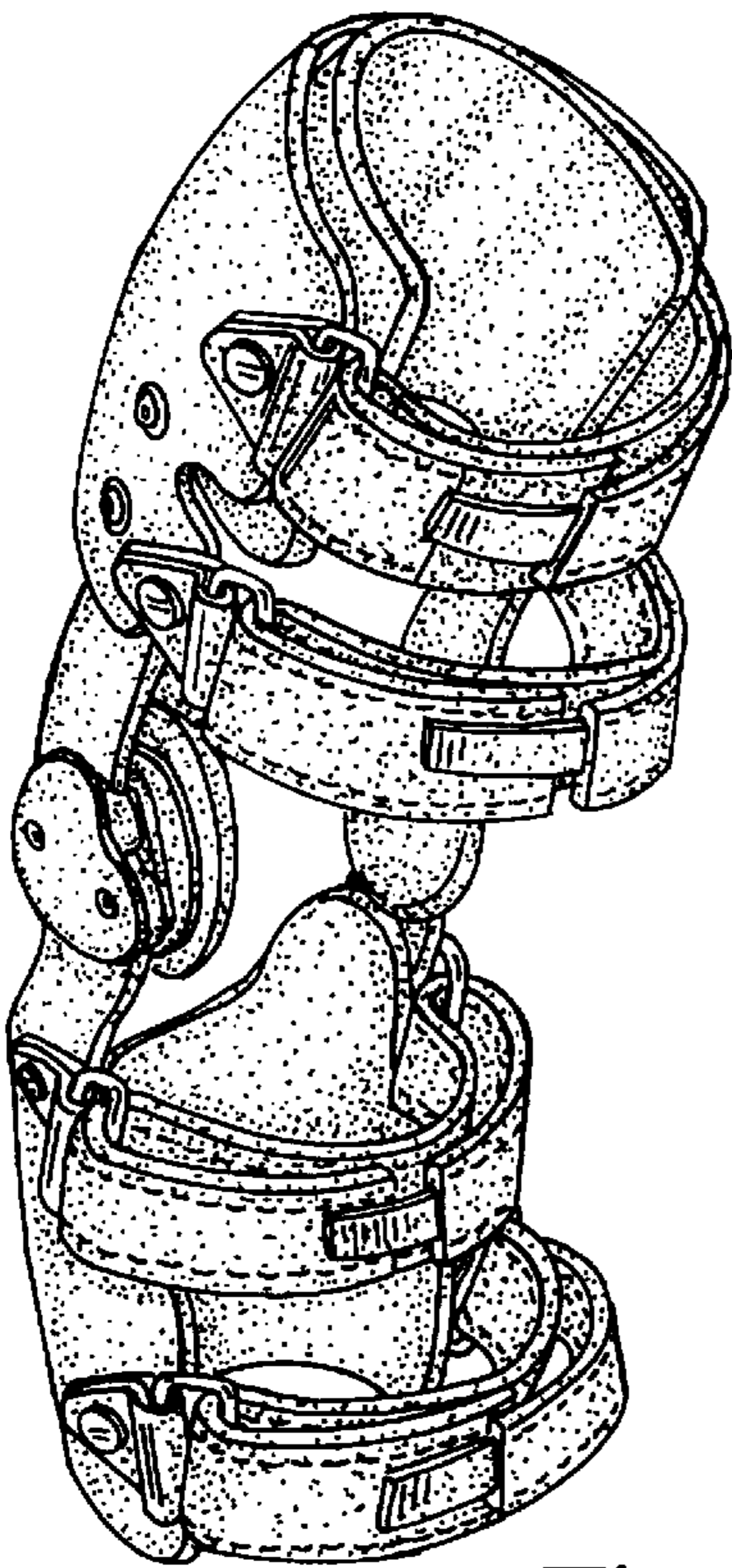


Fig. 3

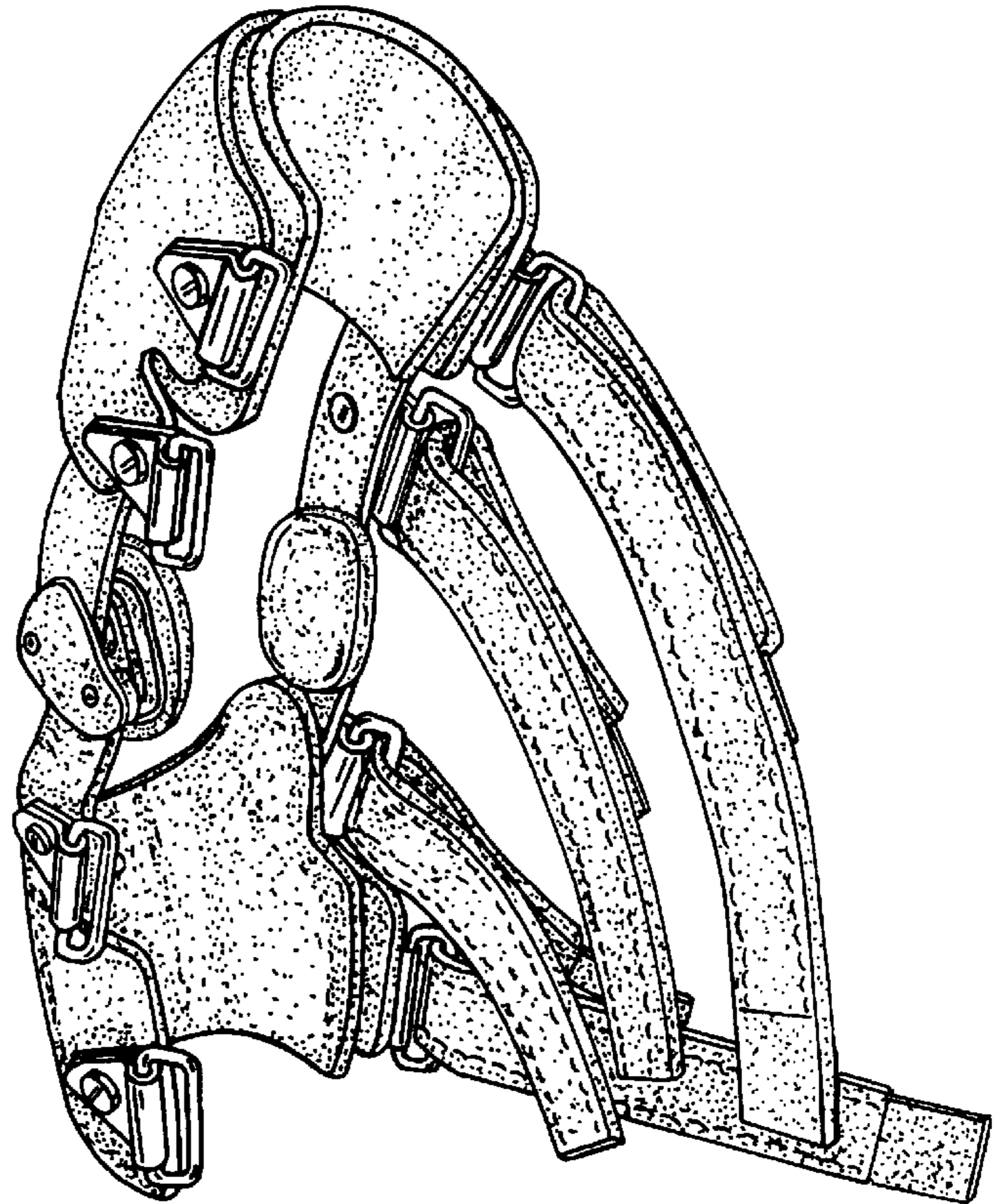


Fig. 4