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(12) **United States Design Patent** (10) **Patent No.:** **US D833,606 S**
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(54) **CANNULA SENSOR CARRIER**
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(52) **U.S. Cl.**
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604/184, 198, 227; 600/101, 139, 143;
128/200.24, 207.14, 207.15
CPC A61B 5/14532; A61M 5/14248; A61M
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See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D254,444 S * 3/1980 Levine D24/112
D297,054 S * 8/1988 Williams D24/112
D353,002 S * 11/1994 Tovey D24/133
D454,394 S * 3/2002 Jansen D24/130
6,589,212 B1 * 7/2003 Navis A61B 17/3421
604/164.01
D496,724 S * 9/2004 Myers D24/108
D497,509 S * 10/2004 Nelson D24/108

D590,945 S * 4/2009 Berberich D24/133
D594,119 S * 6/2009 Berberich D24/108
D608,001 S * 1/2010 Reardon D24/133
D631,541 S * 1/2011 Min D24/127
D654,583 S * 2/2012 Lee-Sepsick D24/112
D660,428 S * 5/2012 Hohl D24/133
D665,076 S * 8/2012 Sauer D24/133
D700,318 S * 2/2014 Amoah D24/112
D714,933 S * 10/2014 Kawamura D24/130
D714,934 S * 10/2014 Kawamura D24/130
D715,431 S * 10/2014 Vonck D24/133
D724,200 S * 3/2015 Brannon D24/112
D726,907 S * 4/2015 Trump D24/130
D746,435 S * 12/2015 Armstrong D24/108
2003/0004530 A1 * 1/2003 Reo A61B 17/16
606/185
2003/0236543 A1 * 12/2003 Brenneman A61B 5/15044
606/181
2004/0162574 A1 * 8/2004 Viola A61M 37/0076
606/185

(Continued)

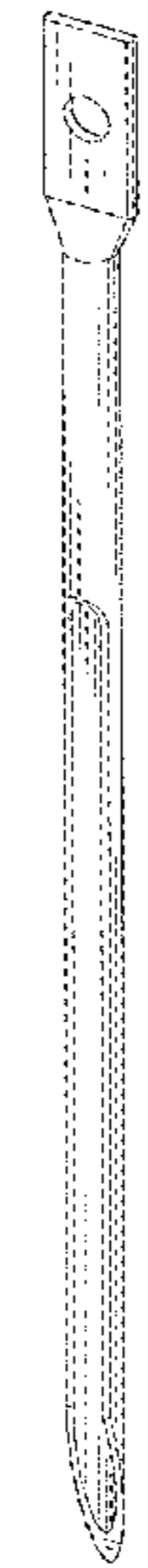
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Eckert Seamans Cherin & Mellott LLC

(57) **CLAIM**
The ornamental design for a cannula sensor carrier, as shown
and described.

DESCRIPTION

FIG. 1 is a front isometric view of a cannula sensor carrier
showing our new design;
FIG. 2 is a rear isometric view thereof;
FIG. 3 is a front elevation view thereof;
FIG. 4 is a rear elevation view thereof;
FIG. 5 is a left side elevation view thereof;
FIG. 6 is a right side elevation view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2005/0234493 A1* 10/2005 Carr A61B 17/7098
606/181
2007/0270896 A1* 11/2007 Perez-Cruet A61B 17/1757
606/181
2009/0143767 A1* 6/2009 Fentress A61M 25/0009
604/523
2010/0331780 A1* 12/2010 Bellisario A61B 17/3415
604/164.05
2011/0093088 A1* 4/2011 Chen A61B 17/3468
623/23.72
2011/0306998 A1* 12/2011 Livneh A61B 17/3417
606/185
2012/0095404 A1* 4/2012 Massengale A61B 17/3401
604/164.01
2012/0203261 A1* 8/2012 Au A61B 17/34
606/185
2012/0232572 A1* 9/2012 Burghardt A61B 17/3421
606/185
2012/0238968 A1* 9/2012 Toy A61M 5/3286
604/272
2012/0253376 A1* 10/2012 Liu A61B 17/3421
606/185
2014/0094773 A1* 4/2014 Lampropoulos .. A61M 25/0009
604/506
2014/0243869 A1* 8/2014 Johnson A61B 17/34
606/185
2014/0277052 A1* 9/2014 Haselby A61B 17/3417
606/185
2014/0336687 A1* 11/2014 Iwase A61B 10/0233
606/185

* cited by examiner

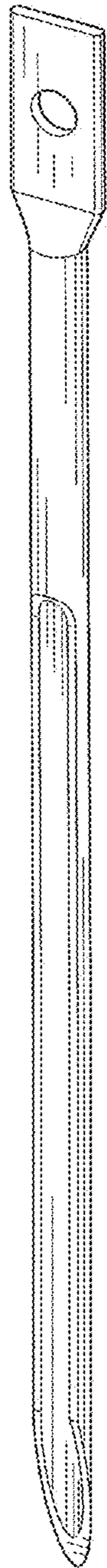


FIG. 1

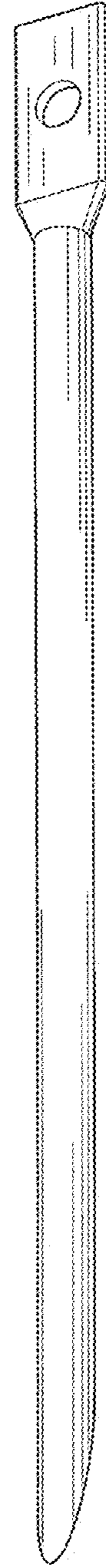


FIG. 2

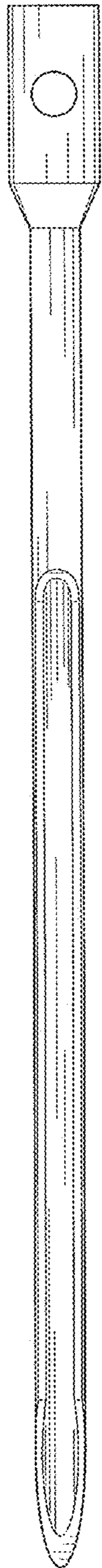


FIG. 3

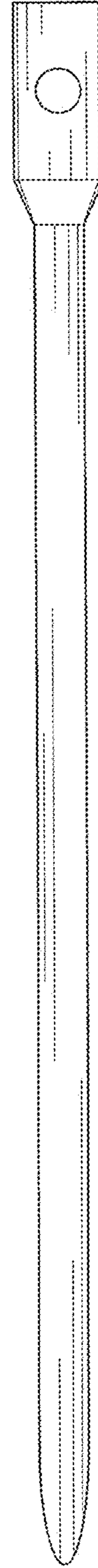


FIG. 4

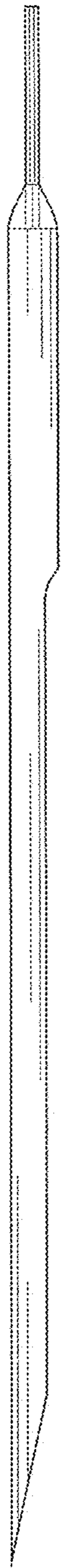


FIG. 5

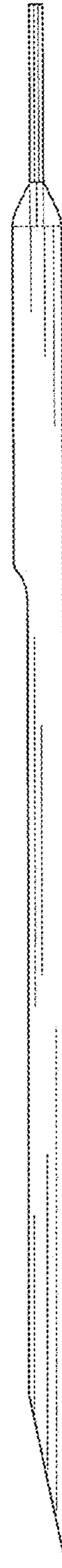


FIG. 6

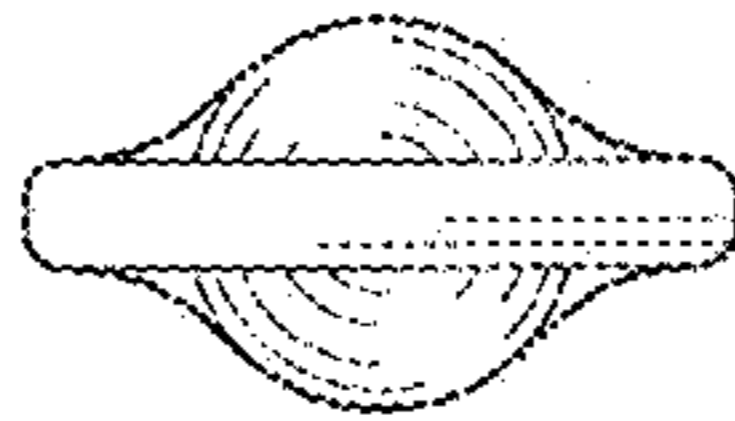


FIG. 7

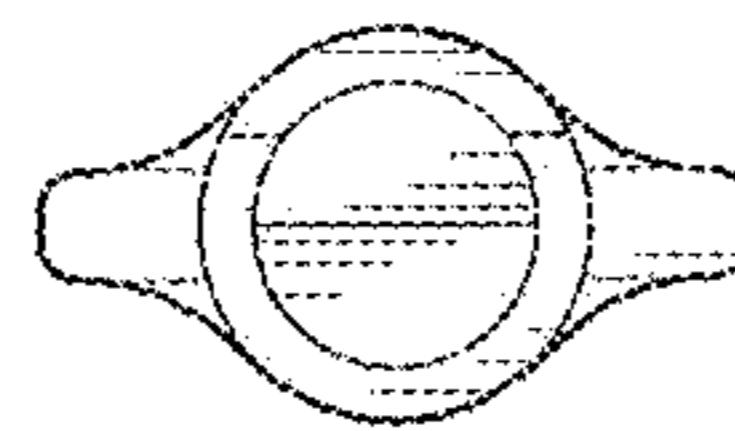


FIG. 8