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(12) **United States Design Patent** (10) **Patent No.:** **US D770,692 S**  
**Cantwell et al.** (45) **Date of Patent:** **\*\* Nov. 1, 2016**

(54) **COMBINED SWING DOOR AND DOOR FRAME OF AN ANIMAL ENCLOSURE**

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(52) **U.S. Cl.**  
USPC ..... **D30/119**

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D25/48.1, 48.3; 119/416, 452, 453,  
119/472, 473, 474, 481, 482, 496, 498, 499,  
119/500, 501, 513, 514, 751; 160/179, 180;  
49/169

CPC ..... A01K 1/0017; A01K 1/0245  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

899,084 A	9/1908	Thoits et al.	
3,556,058 A *	1/1971	Smiler .....	A01K 31/08 119/474
3,791,347 A	2/1974	Lovell	
3,896,766 A	7/1975	Martin	
4,023,698 A	5/1977	Joseph	
4,629,086 A	12/1986	Trubiano	
4,763,606 A	8/1988	Ondrasik, II	
4,770,127 A	9/1988	Volk	

5,101,995 A	4/1992	Trubiano	
5,233,939 A	8/1993	Randolph	
5,373,810 A	12/1994	Martin	
D367,734 S *	3/1996	Sharp .....	D30/119
5,626,098 A	5/1997	Askins et al.	
5,845,432 A	12/1998	Tully et al.	
6,092,488 A	7/2000	Allawas	
6,192,834 B1	2/2001	Kolozsvari	
6,581,545 B1	6/2003	Foster	
6,681,720 B1	1/2004	Skurdalsvold et al.	
7,918,188 B1	4/2011	Harper	
D652,999 S *	1/2012	Jakubowski et al. ....	D30/114

(Continued)

**OTHER PUBLICATIONS**

“Majestic Pet ‘Titan’ Single Door Folding Dog Crate”. Found online May 9, 2016 at overstock.com. Page dated Dec. 4, 2007. Retrieved from <http://www.overstock.com/Pet-Supplies/Majestic-Pet-Titan-Single-Door-Folding-Dog-Crate/2680102/product.html>.\*

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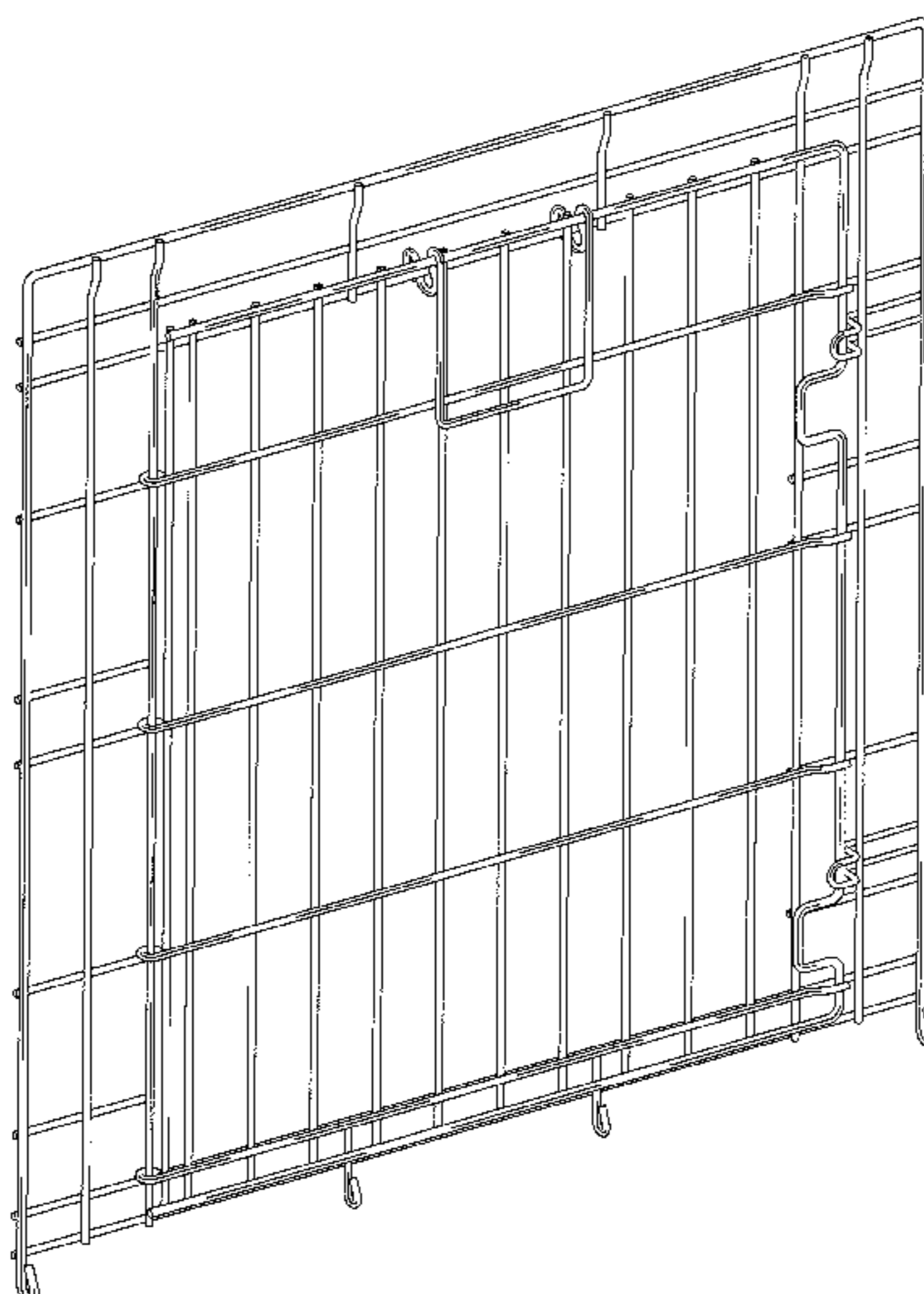
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(57) **CLAIM**  
The ornamental design for a combined swing door and door frame of an animal enclosure, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a combined swing door and door frame of an animal enclosure that illustrates the novel design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a left side view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a top view thereof;  
FIG. 6 is a bottom view thereof; and,  
FIG. 7 is a rear view thereof.

**1 Claim, 5 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D668,397 S \* 10/2012 Cantwell ..... D30/119  
 D673,737 S \* 1/2013 Cantwell ..... D30/114  
 8,408,416 B2 4/2013 Cheng-Lung et al.  
 D695,588 S \* 12/2013 Cantwell ..... D8/331  
 D715,501 S \* 10/2014 Cantwell ..... D30/119  
 2004/0134444 A1 7/2004 Shiever et al.  
 2005/0034679 A1 2/2005 Link  
 2006/0112897 A1\* 6/2006 Moore ..... A01K 31/06  
 119/482  
 2007/0000447 A1 1/2007 Jakubowski et al.  
 2008/0245313 A1 10/2008 Jakubowski et al.  
 2010/0282179 A1 11/2010 Ho  
 2012/0210947 A1\* 8/2012 DiPaolo ..... A01K 15/02  
 119/472

2012/0227328 A1\* 9/2012 Link ..... A01K 1/0017  
 49/394  
 2014/0109839 A1\* 4/2014 Cantwell ..... A01K 1/034  
 119/481  
 2015/0305297 A1\* 10/2015 Link ..... A01K 1/0245  
 119/474  
 2016/0024824 A1\* 1/2016 Link ..... E05C 3/12  
 119/481

OTHER PUBLICATIONS

“Midwest iCrate Pet Crates”. Found online May 9, 2016 at amazon.com. Page dated Dec. 12, 2007. Retrieved from [http://www.amazon.com/MidWest-iCrate-Double-Door-Folding-Inches/dp/B000QFT1RC/ref=cm\\_cr\\_arp\\_d\\_product\\_top?ie=UTF8](http://www.amazon.com/MidWest-iCrate-Double-Door-Folding-Inches/dp/B000QFT1RC/ref=cm_cr_arp_d_product_top?ie=UTF8).\*

\* cited by examiner

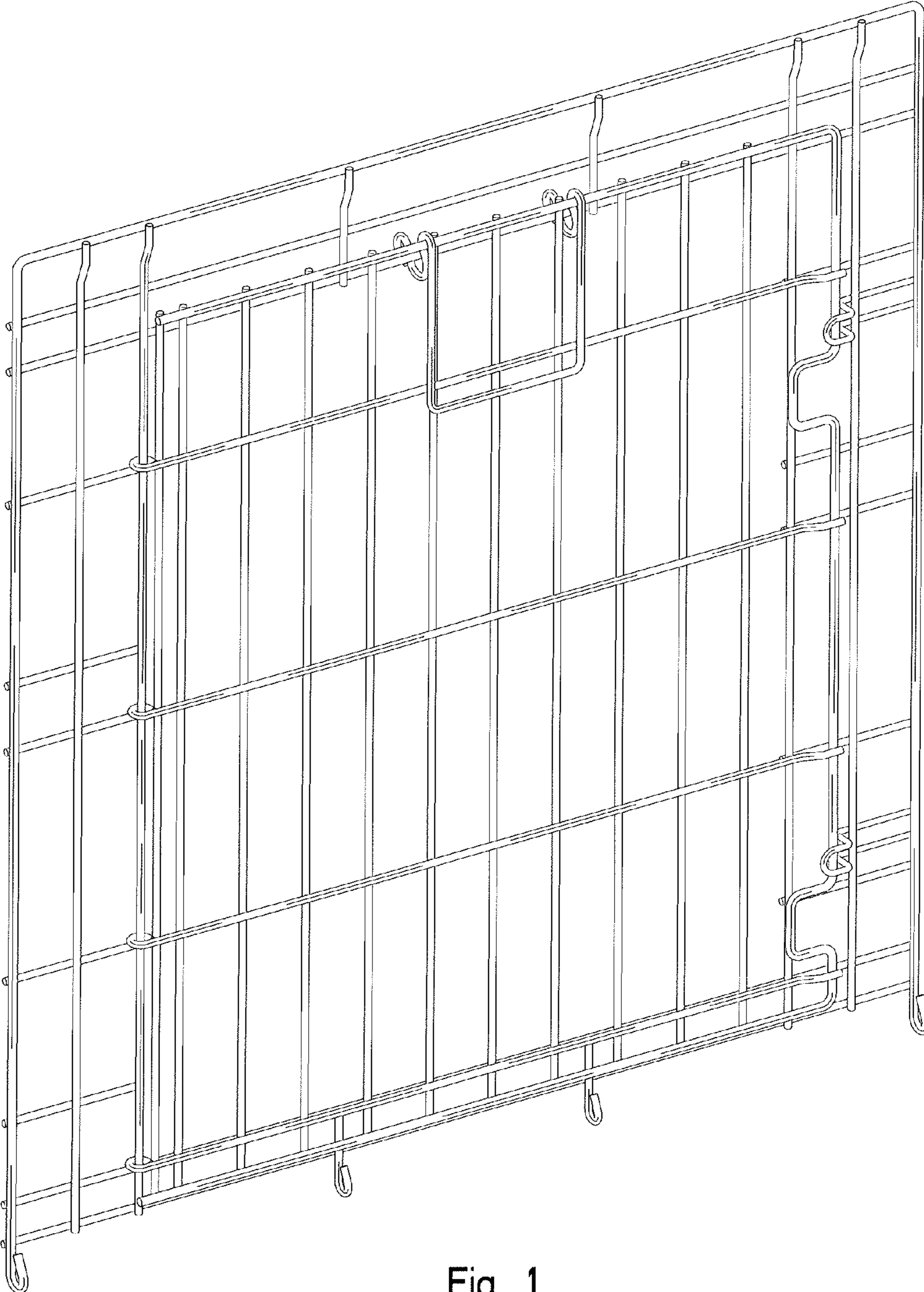


Fig. 1

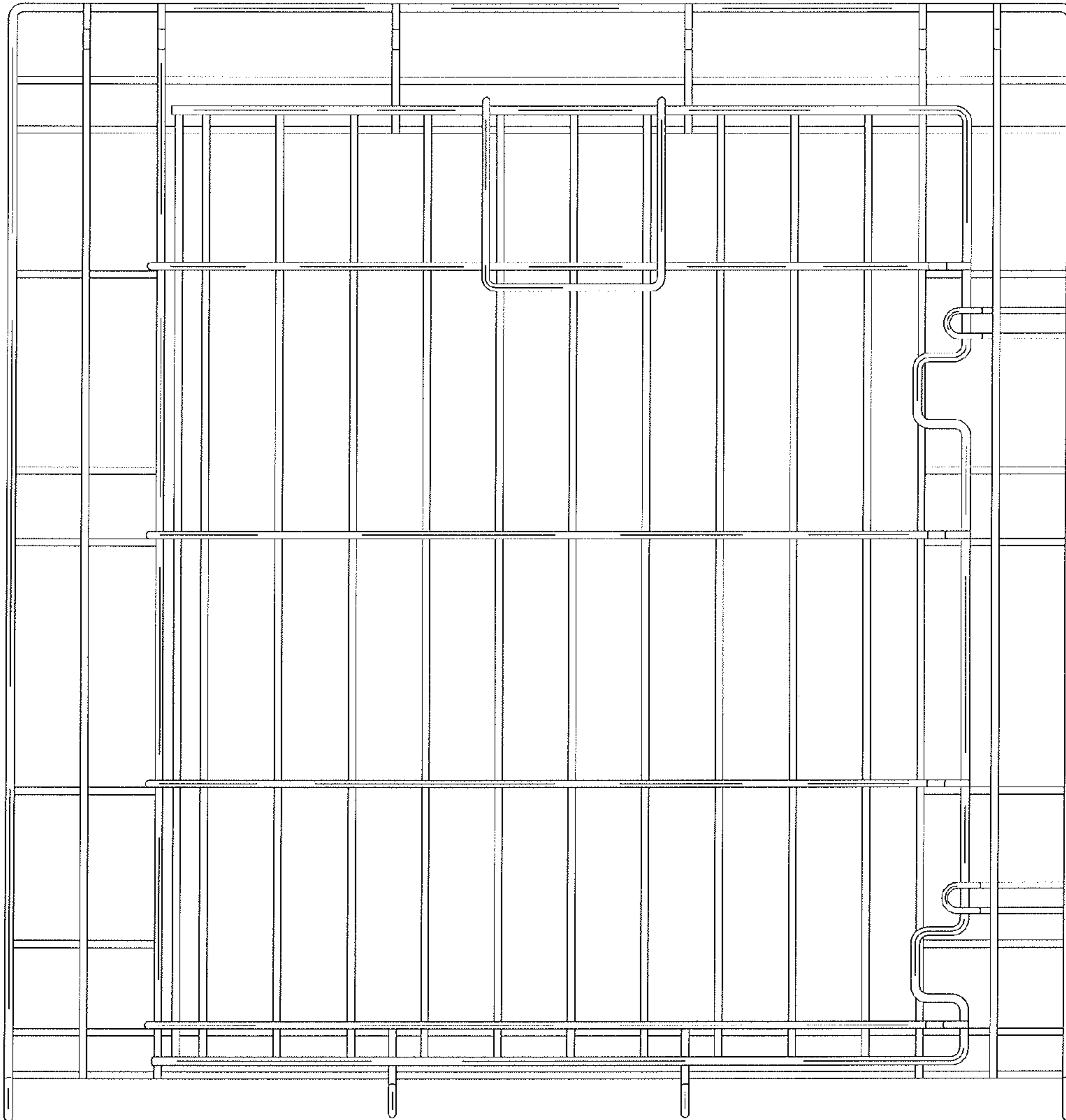


Fig. 2

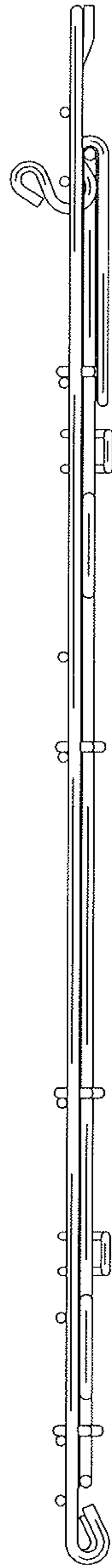


Fig. 3

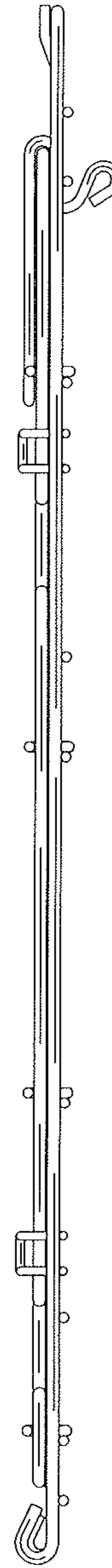


Fig. 4



Fig. 5

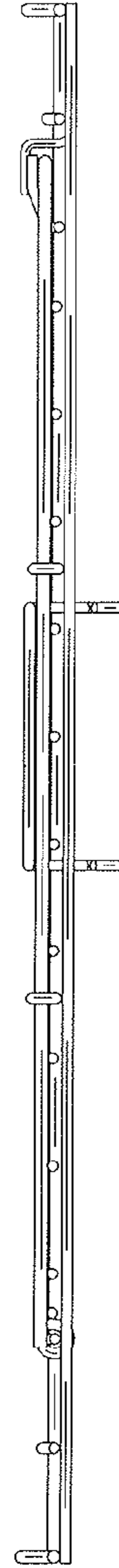


Fig. 6



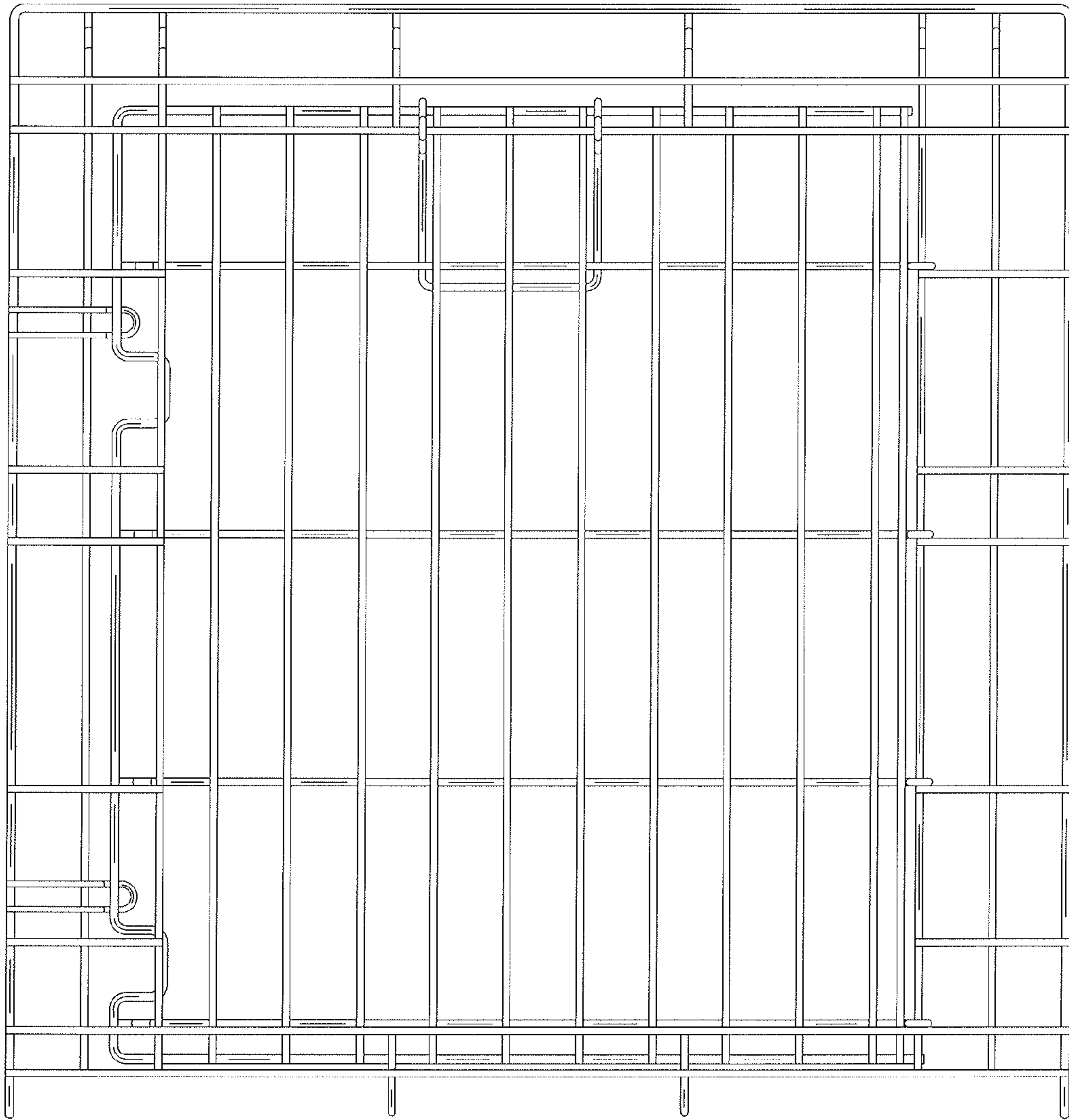


Fig. 7