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(12) **United States Design Patent** (10) **Patent No.:** **US D794,258 S**
Cantwell et al. (45) **Date of Patent:** **** *Aug. 8, 2017**

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

(71) Applicant: **Mid-West Metal Products Co., Inc.**,
Muncie, IN (US)

(72) Inventors: **Brad Cantwell**, Muncie, IN (US); **Stew Kerr**, Muncie, IN (US); **Michael E. Greene**, Muncie, IN (US); **David J. Nolley**, Muncie, IN (US)

(73) Assignee: **Mid-West Metal Products Co., Inc.**,
Muncie, IN (US)

(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: **15 Years**

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(51) **LOC (10) Cl.** **30-02**

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

(58) **Field of Classification Search**
USPC D30/108, 109, 112, 113, 114, 116, 119;
D25/48.1, 48.3; 119/416, 452, 453, 472,
119/473, 474, 481, 482, 496, 498, 499,
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160/180; 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.
3,348,723 A * 10/1967 Wilson B65D 19/12
108/53.5
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
D300,377 S * 3/1989 Willingham D30/116
5,101,995 A 4/1992 Trubiano
5,233,939 A 8/1993 Randolph
5,373,810 A 12/1994 Martin
5,626,098 A 5/1997 Askins et al.
5,845,432 A 12/1998 Tully et al.

(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>.*

(Continued)

Primary Examiner — Robert M Spear

Assistant Examiner — Kendra L Hamilton

(74) *Attorney, Agent, or Firm* — Taft Stettinius & Hollister LLP; Stephen F. Rost

(57) **CLAIM**

The ornamental design for a combined drop door and door frame of an animal enclosure, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a combined drop 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;

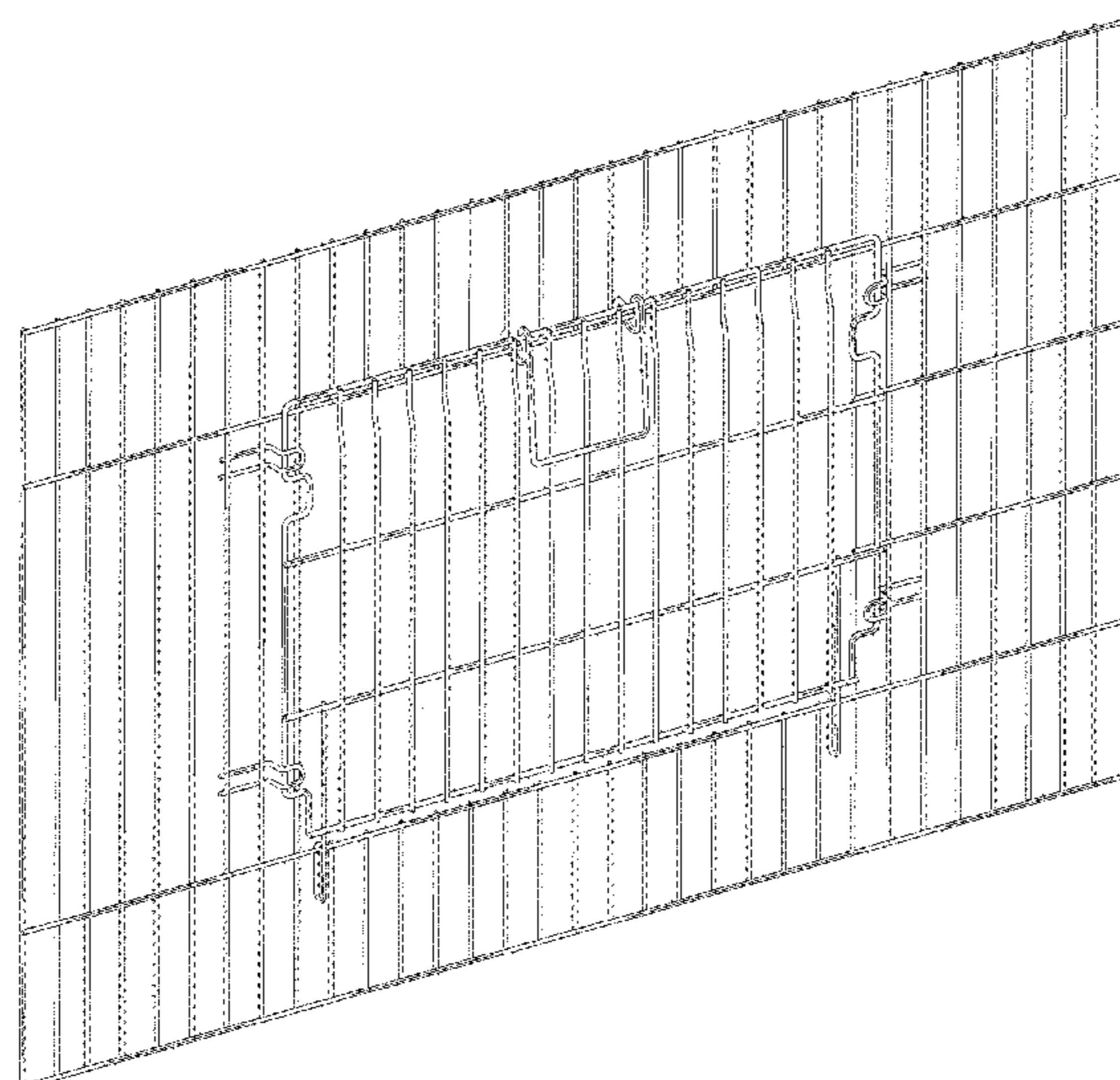
FIG. 4 is a right side view thereof;

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

6,092,488 A 7/2000 Allawas
 6,192,834 B1 2/2001 Kolozsvari
 6,230,655 B1* 5/2001 Cohen A01K 31/02
 119/452
 6,581,545 B1 6/2003 Foster
 6,681,720 B1 1/2004 Skurdalsvold et al.
 7,918,188 B1 4/2011 Harper
 D668,397 S* 10/2012 Cantwell D30/119
 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
 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
 2014/0116347 A1* 5/2014 Casto A01K 1/03
 119/474
 2015/0305297 A1* 10/2015 Link A01K 1/0245
 119/474
 2016/0014996 A1* 1/2016 Link A01K 1/034
 119/481
 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.*

* cited by examiner

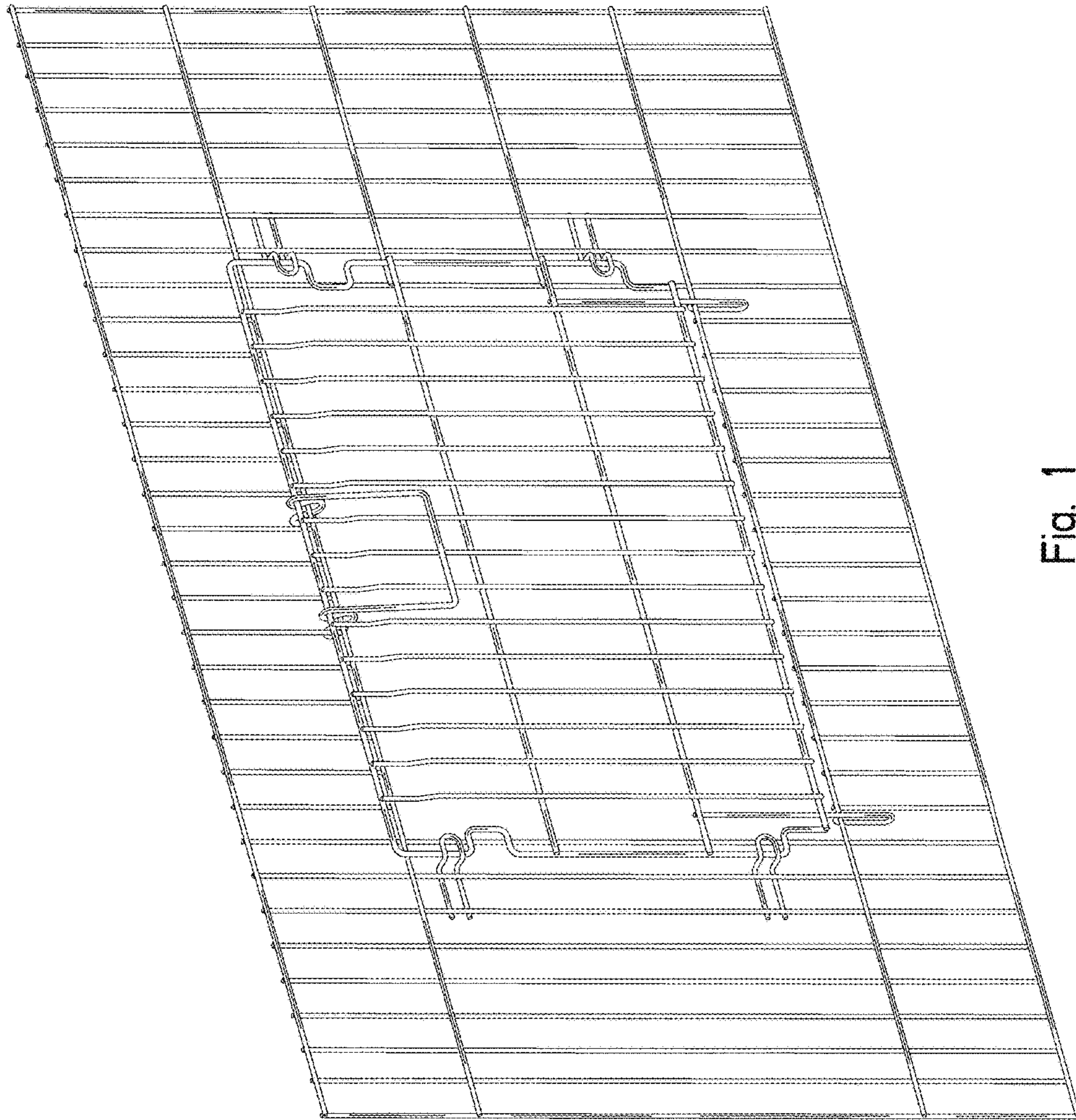


Fig. 1

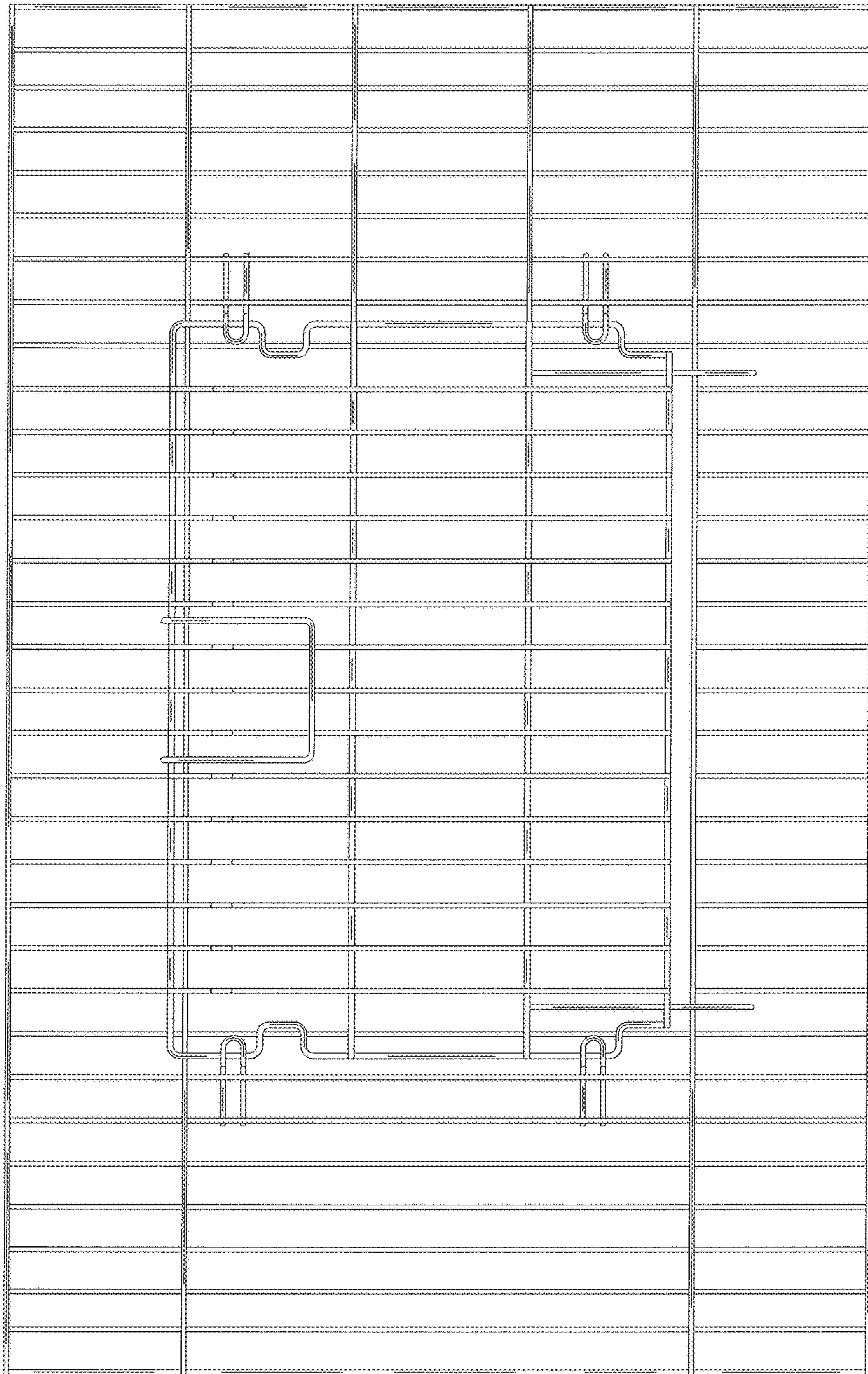


Fig. 2

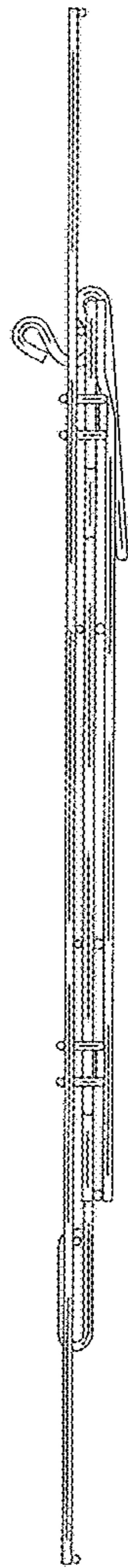


Fig. 3

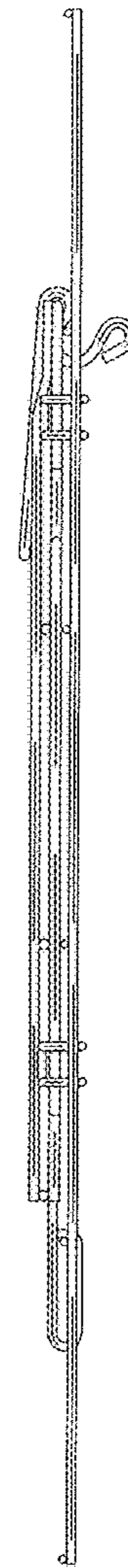


Fig. 4



Fig. 5

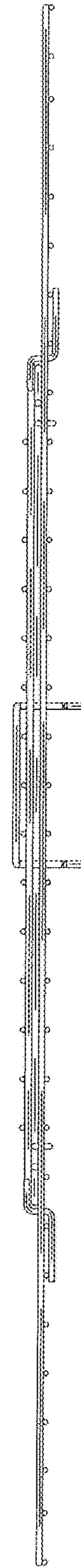


Fig. 6

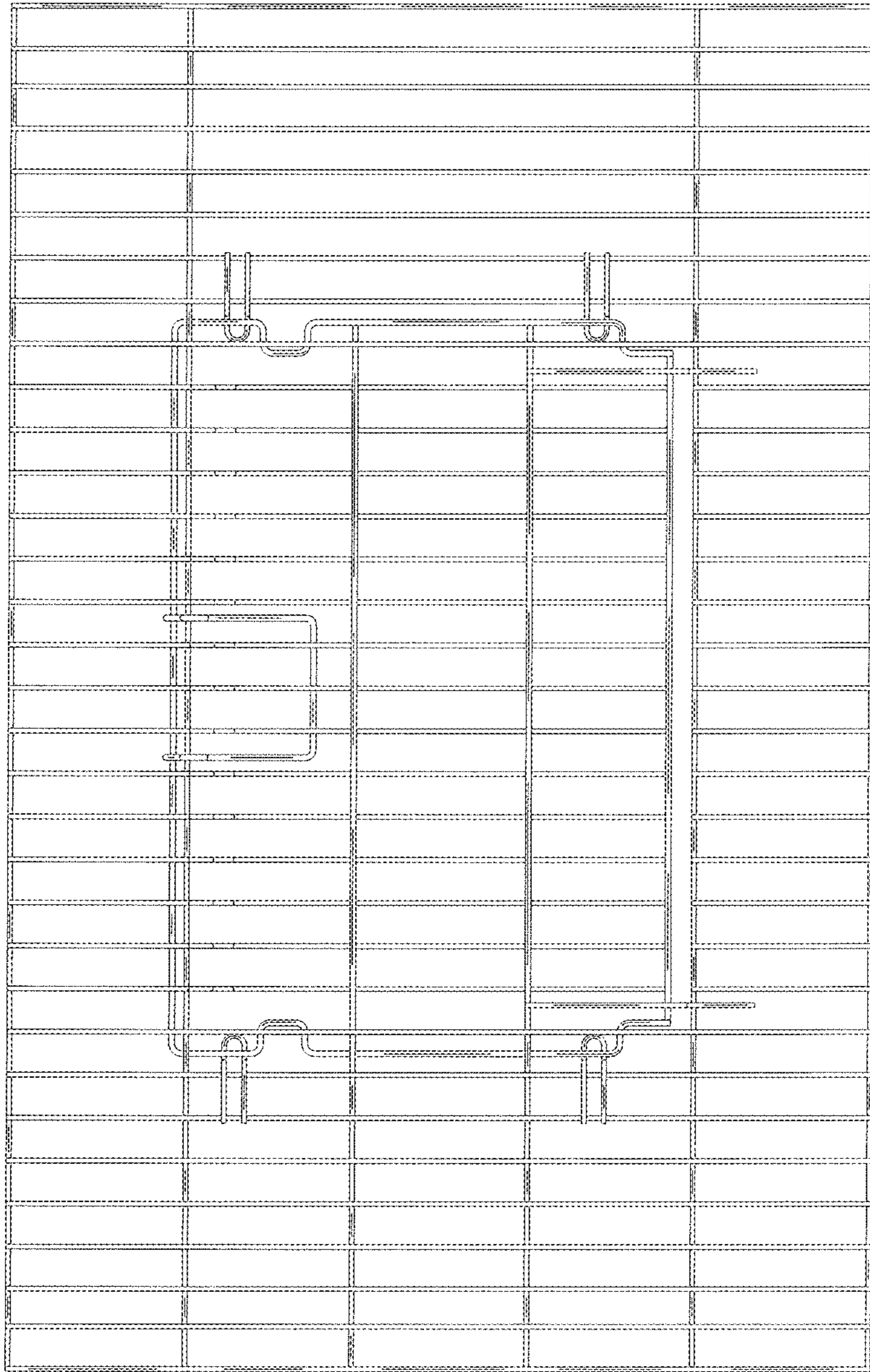


Fig. 7