



US00D802025S

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

(10) **Patent No.:** **US D802,025 S**

(45) **Date of Patent:** **** Nov. 7, 2017**

(54) **MULTIPLE BAR HARROW WITH HYDRAULIC DOWN PRESSURE FOR FINISHING TOOL OF AN AGRICULTURAL TILLAGE IMPLEMENT**

(71) Applicant: **CNH Industrial America LLC**, New Holland, PA (US)

(72) Inventors: **Rick L. Gerber**, Roanoke, IL (US);
Dean A. Knobloch, Tucson, AZ (US)

(73) Assignee: **CNH Industrial America LLC**, New Holland, PA (US)

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

(21) Appl. No.: **29/577,638**

(22) Filed: **Sep. 14, 2016**

(51) **LOC (10) Cl.** **15-03**

(52) **U.S. Cl.**
USPC **D15/11; D15/12; D15/27**

(58) **Field of Classification Search**
USPC **D15/11, 12, 10, 27, 21, 28, 32, 33**
CPC **A01B 21/00-21/086; A01B 73/02; A01B 79/005; A01B 79/00; A01B 29/048; A01B 29/04; A01B 63/008; A01B 63/28; A01B 63/00; A01B 63/32; A01B 63/112; A01B 63/114; A01B 63/111; A01B 49/027; A01B 49/02; A01B 25/00; A01B 23/06**
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 2,704,920 A * 3/1955 Fulper A01B 19/02
172/622
- 3,356,382 A * 12/1967 Fay A01B 63/22
172/316
- 4,600,060 A 7/1986 Winter et al.
- 4,615,286 A * 10/1986 Linton A01B 49/06
111/52

- 5,443,127 A * 8/1995 Gates A01B 73/048
172/311
- 5,487,429 A * 1/1996 Gates A01B 73/048
172/173
- 5,492,182 A * 2/1996 Delaurier A01B 19/02
172/615
- 6,068,064 A * 5/2000 Bettin A01B 63/32
172/413
- 6,164,386 A * 12/2000 Delaurier A01B 19/02
172/615

(Continued)

Primary Examiner — Mark Goodwin

(74) *Attorney, Agent, or Firm* — Rebecca L. Henkel;
Rickard K. DeMille

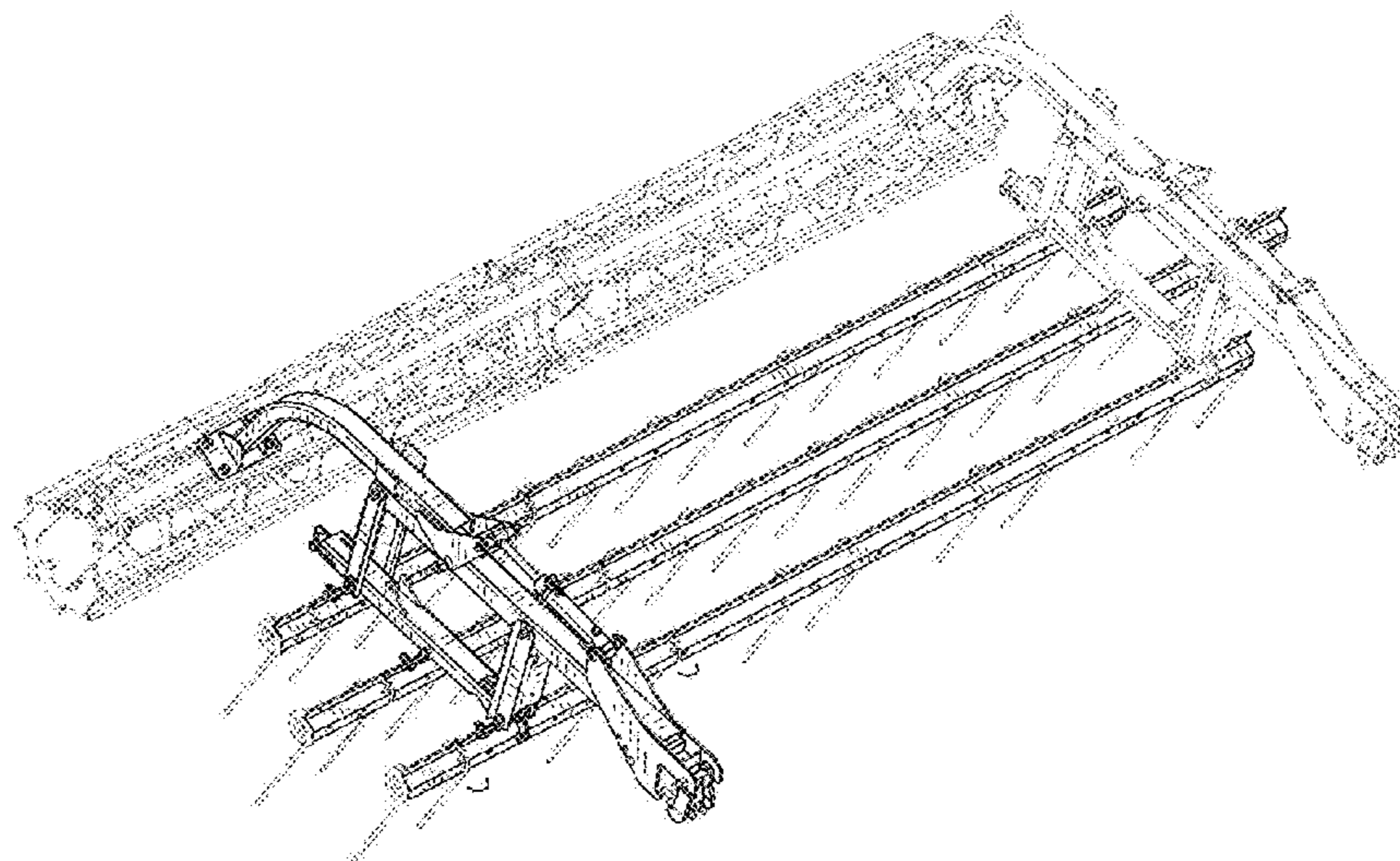
(57) **CLAIM**

The ornamental design for a multiple bar harrow with hydraulic down pressure for finishing tool of an agricultural tillage implement, as shown and described.

DESCRIPTION

FIG. 1 is an isometric view of a multiple bar harrow with hydraulic down pressure for finishing tool of an agricultural tillage implement in accordance with the present invention; FIG. 2 is a top plan view of the harrow of FIG. 1; FIG. 3 is a bottom plan view of the harrow of FIG. 1; FIG. 4 is a front elevation of the harrow of FIG. 1; FIG. 5 is a rear elevation of the harrow of FIG. 1; FIG. 6 is a side elevation of a first side of the harrow of FIG. 1; FIG. 7 is a side elevation of a second side of the harrow of FIG. 1, and, FIG. 8 is a side elevation of a portion of the harrow of FIG. 1, taken at the dashed circle in FIG. 6. The broken line showing of the remaining portions of the harrow is included for the purpose of illustrating environmental structure only and forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,896,068	B2	5/2005	Dietrich, Sr. et al.	
7,540,332	B2 *	6/2009	Friggstad	A01B 63/32 172/311
D628,214	S *	11/2010	Knobloch	D15/27
D628,600	S *	12/2010	Hicks	D15/27
8,573,319	B1	11/2013	Casper et al.	
8,657,026	B2	2/2014	Friesen	
D748,678	S *	2/2016	Kelly	D15/27
2010/0084148	A1	4/2010	Kovach et al.	
2014/0158386	A1	6/2014	Payne et al.	
2015/0156962	A1	6/2015	Zemenchik et al.	

* cited by examiner

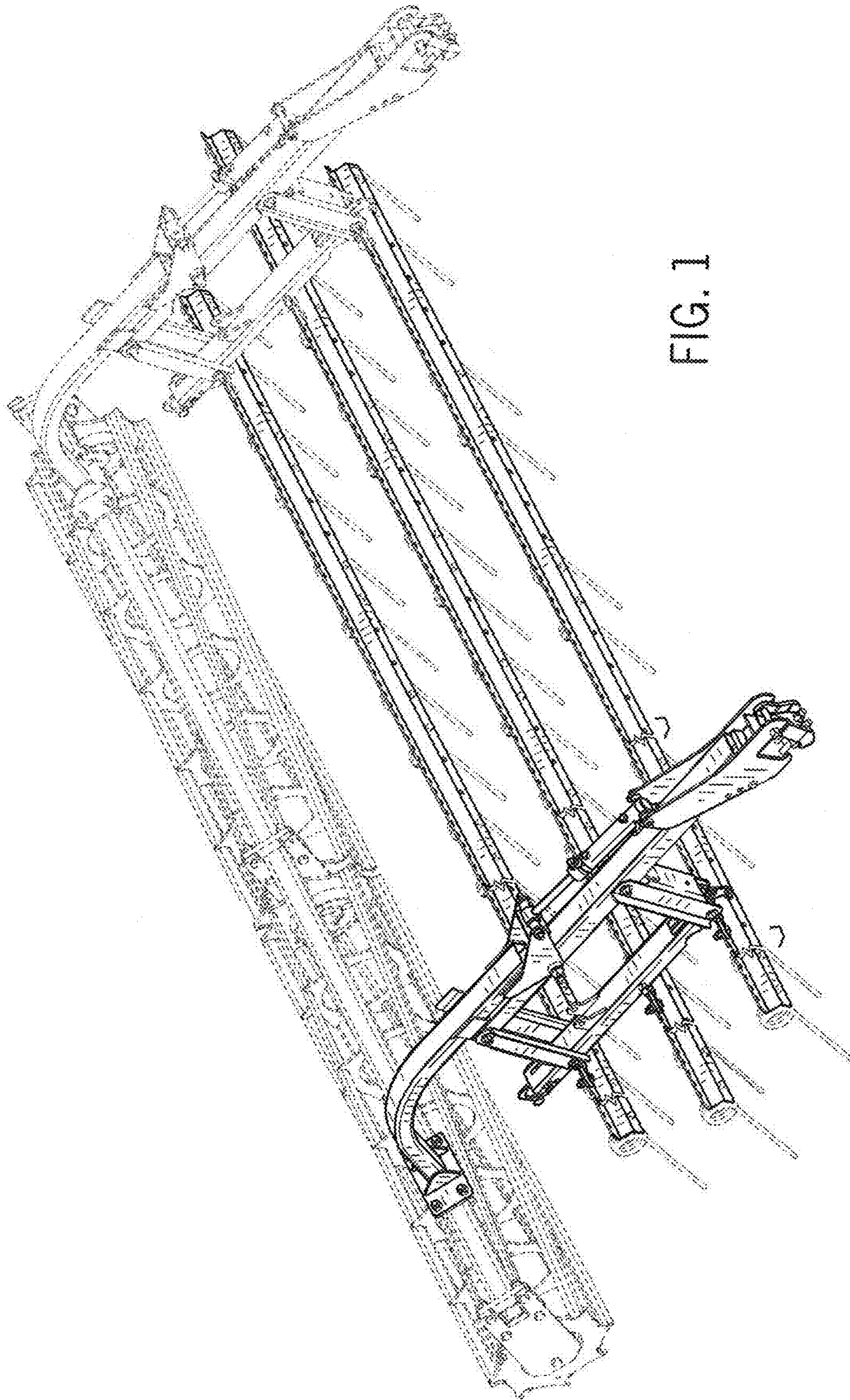


FIG. 1

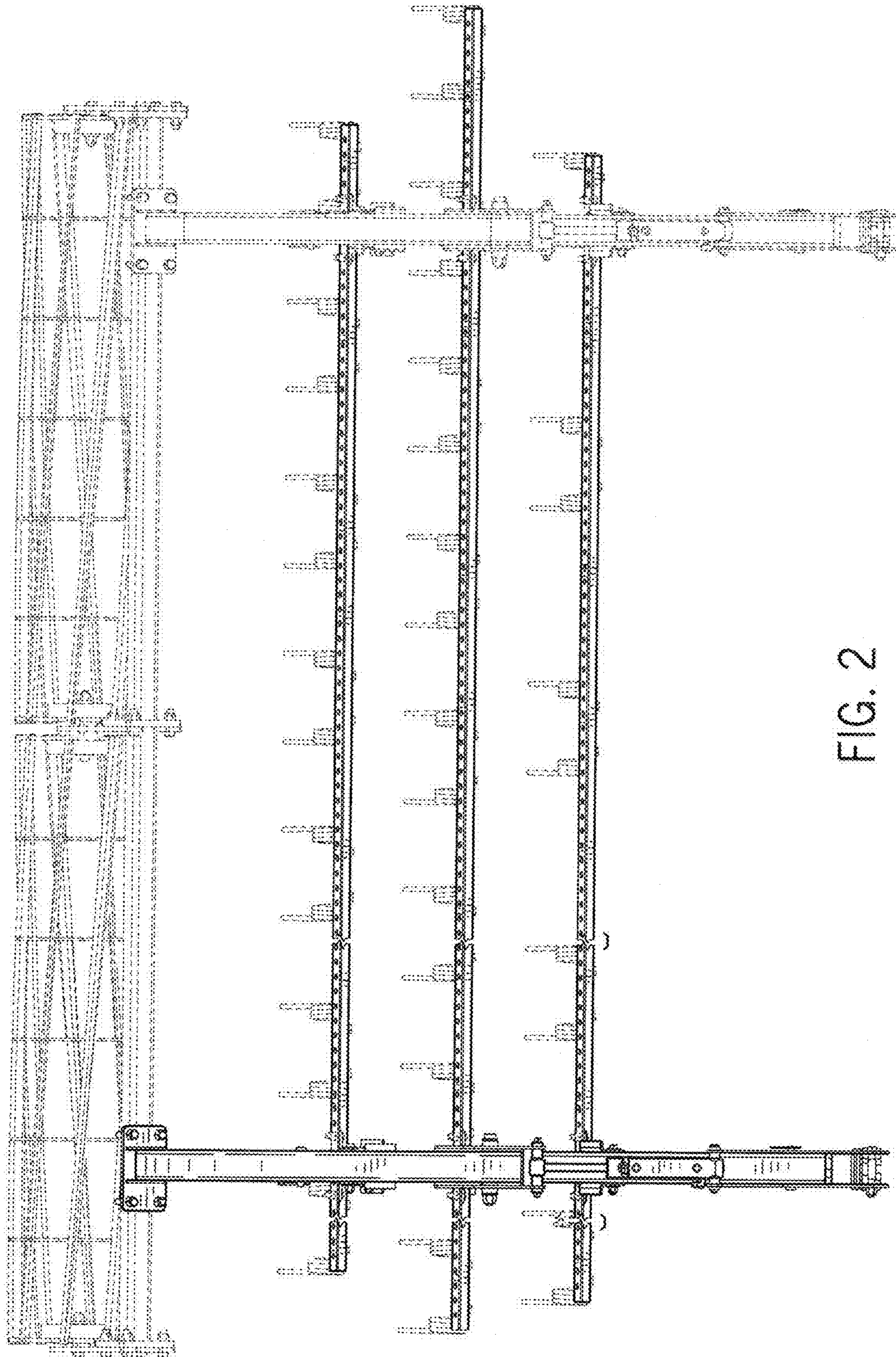


FIG. 2

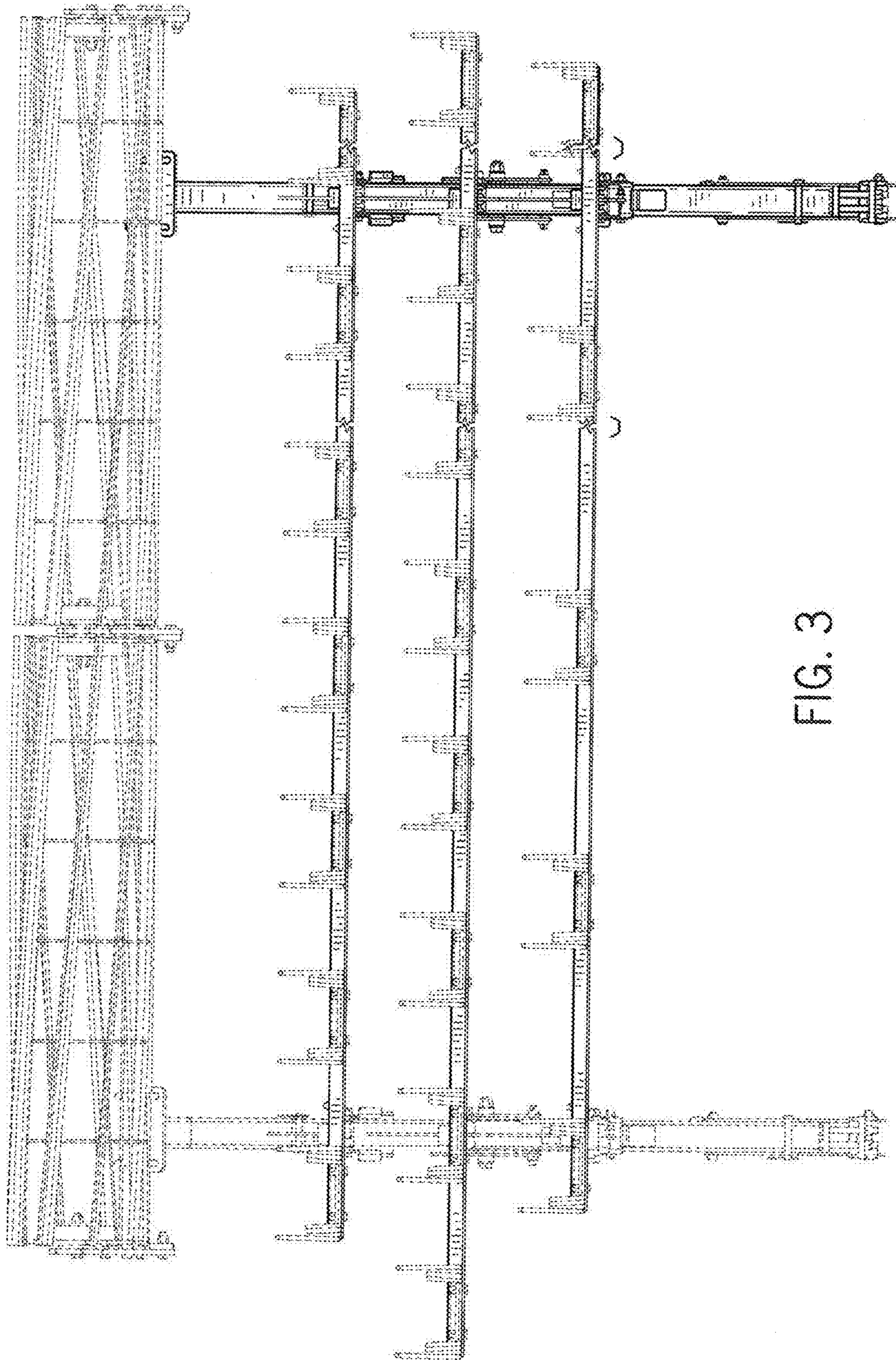


FIG. 3

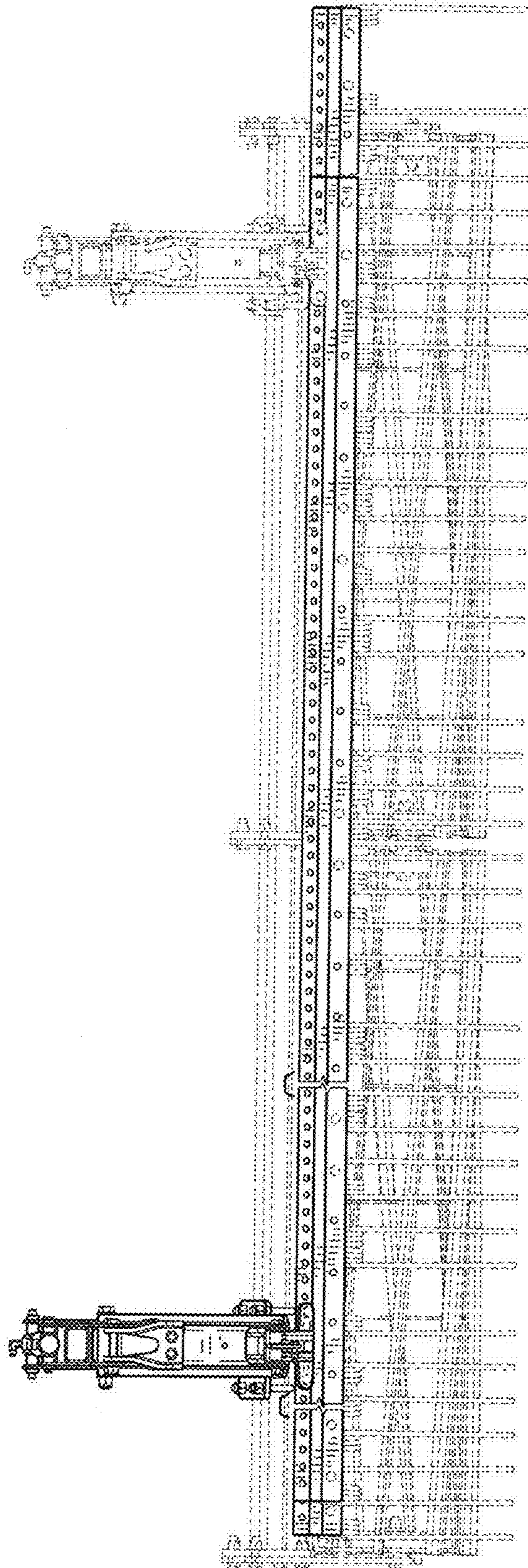


FIG. 4

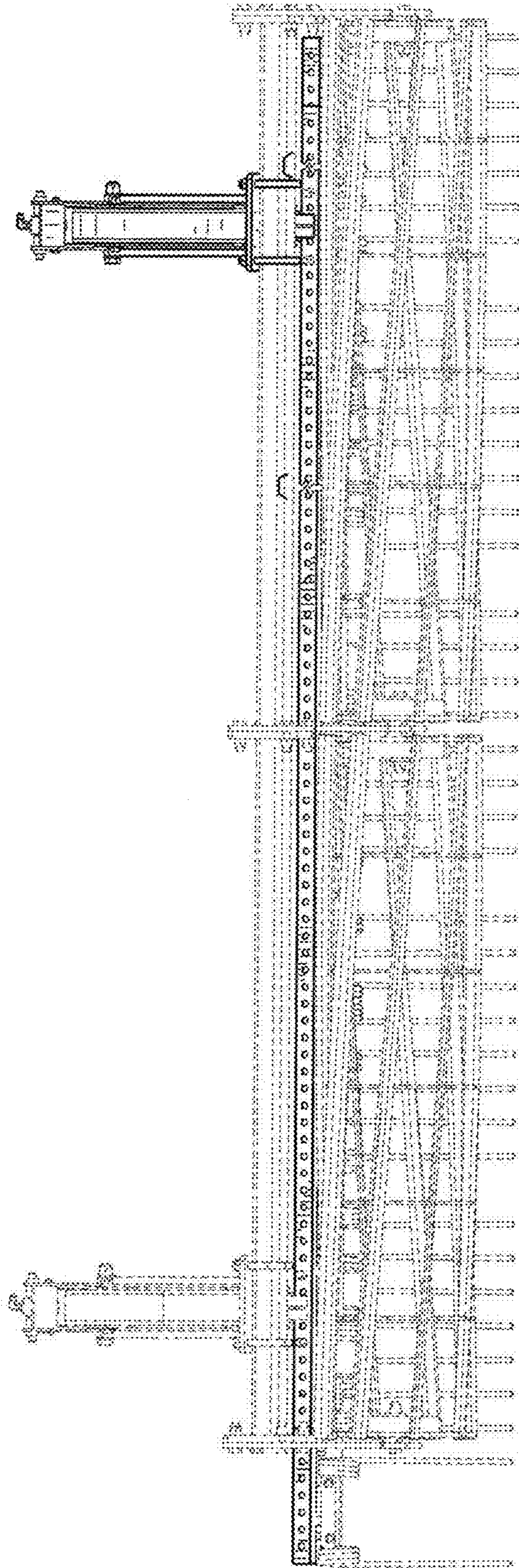


FIG. 5

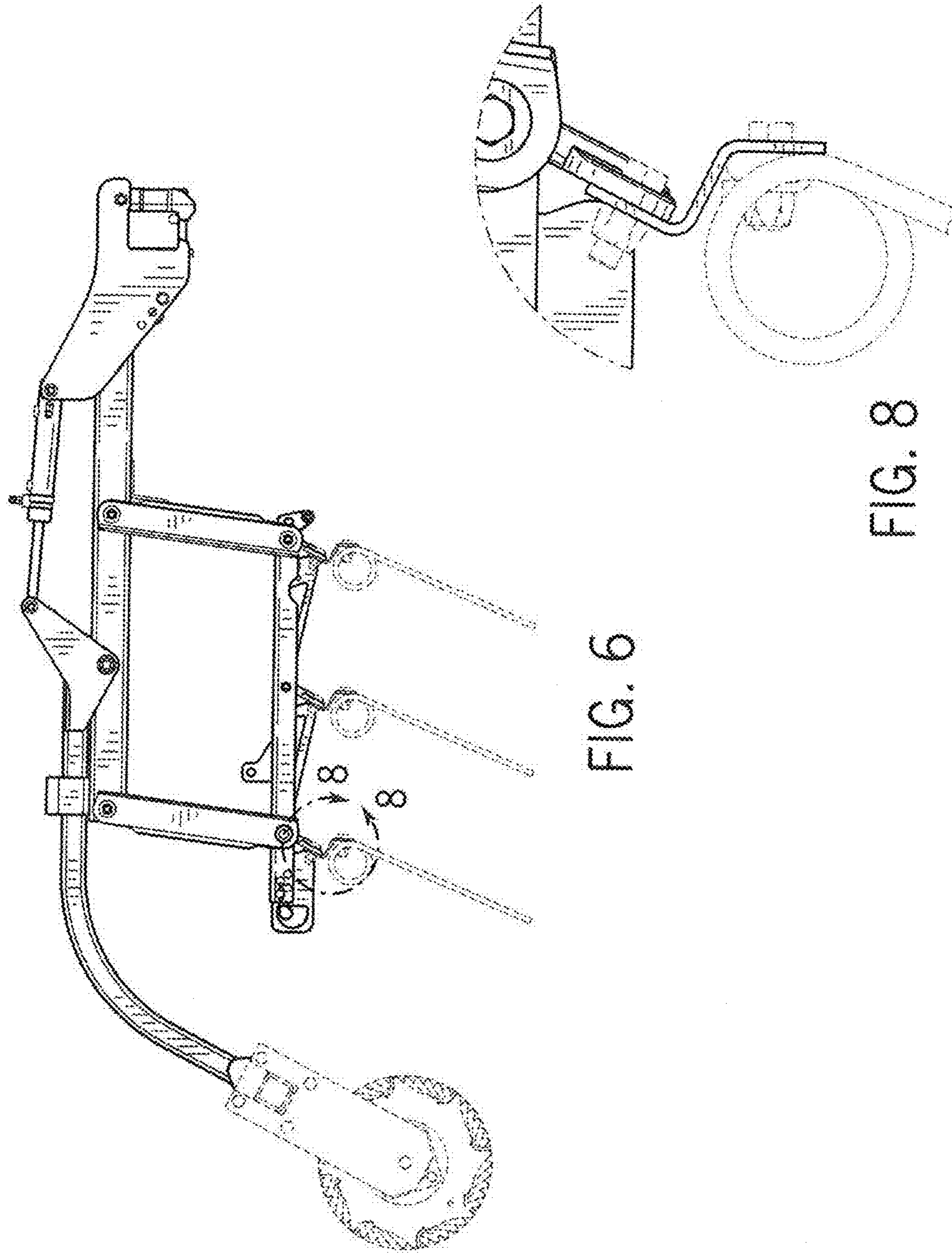


FIG. 6

FIG. 8

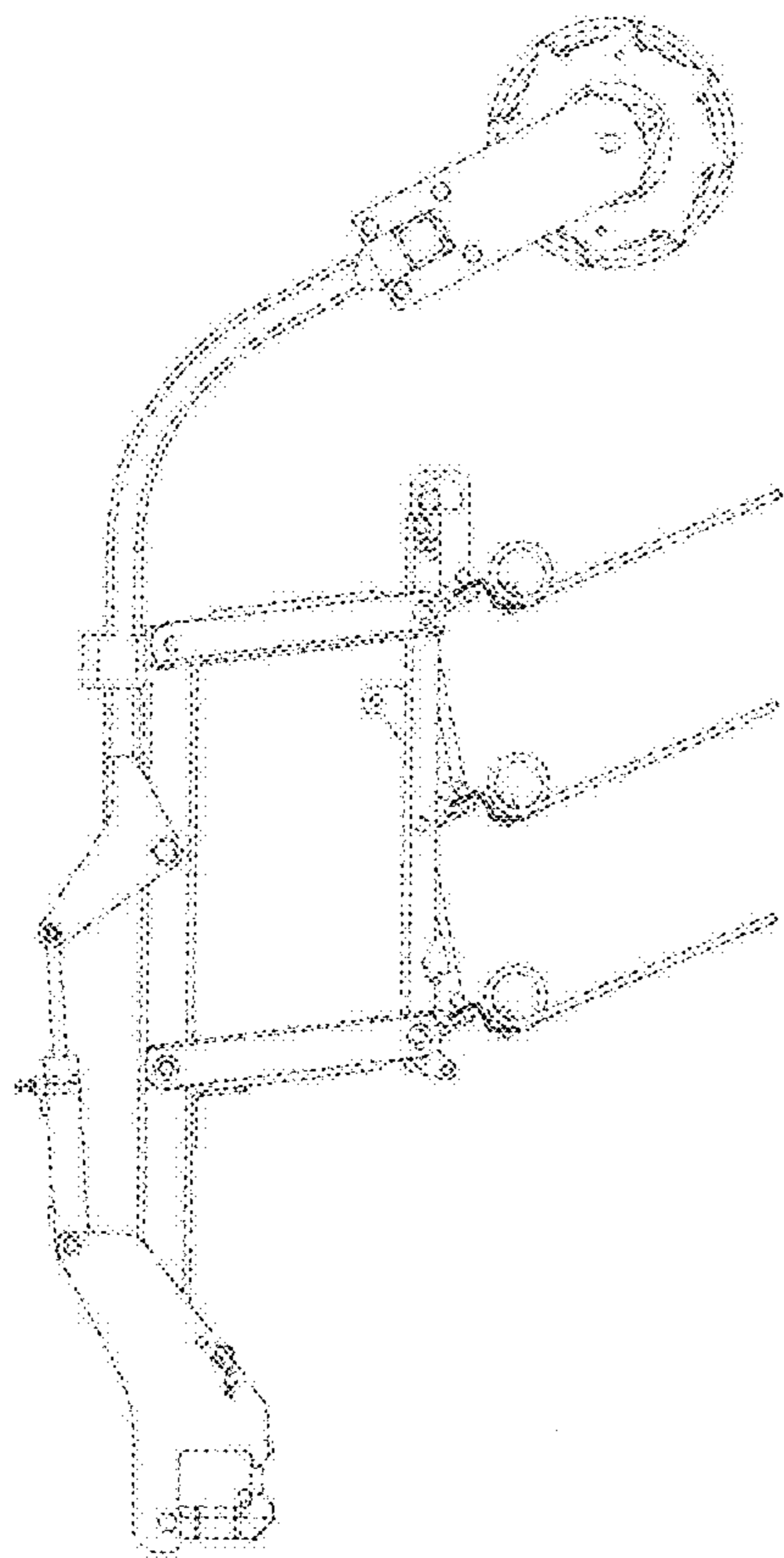


FIG. 7