

US00D800410S

(12) **United States Design Patent** (10) **Patent No.:** **US D800,410 S**
Bussinger et al. (45) **Date of Patent:** **** Oct. 17, 2017**

(54) **MATERIAL HANDLING CART**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **AMIGO MOBILITY INTERNATIONAL, INC.**, Bridgeport, MI (US)

CA 1260842 9/1989
DE 93244 7/1897
(Continued)

(72) Inventors: **Allen Louis Bussinger**, Bridgeport, MI (US); **Jeremiah Vincent Schultz**, Bridgeport, MI (US)

OTHER PUBLICATIONS

Amigo Brochure a Revolutionary Concept in Wheelchair Design 5 pages.

(73) Assignee: **AMIGO MOBILITY INTERNATIONAL, INC.**, Bridgeport, MI (US)

(Continued)

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

Primary Examiner — Cynthia Ramirez

Assistant Examiner — Gino Colan

(21) Appl. No.: **29/546,542**

(74) *Attorney, Agent, or Firm* — Rivenoak Law Group, P.C.

(22) Filed: **Nov. 23, 2015**

(57) **CLAIM**

(51) **LOC (10) Cl.** **12-05**

The ornamental design for a material handling cart, as shown and described.

(52) **U.S. Cl.**

USPC **D34/37; D34/34**

(58) **Field of Classification Search**

USPC D34/12, 17, 20, 21, 23, 26, 28, 18, 33,

D34/34, 36, 37; 280/79.11, 79.3, 33.997,

280/47.19, 47.34, 47.35, 47.17;

180/65.51, 11, 19.3, 14.1, 65.1; 414/604,

414/814; 410/4

CPC B62B 3/10; B62B 3/00; B62B 3/04; B62B

5/0093; B62B 5/0438

See application file for complete search history.

DESCRIPTION

FIG. 1 is a top perspective view of a material handling cart showing our new design;

FIG. 2 is a bottom perspective view thereof;

FIG. 3 is a left side elevational view thereof;

FIG. 4 is a right side elevational view thereof;

FIG. 5 is a front elevational view thereof;

FIG. 6 is a rear elevational view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is a top perspective view thereof, in a storage condition; and,

FIG. 10 is a left side elevational view thereof, in a storage condition.

The broken lines in the drawings are included for the purpose of illustrating portions of the material handling cart and form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

678,122 A 7/1901 Maxham et al.

1,492,487 A 4/1924 Stokes

1,565,719 A 12/1925 Dunkley

2,448,992 A 9/1948 Love et al.

2,461,401 A 2/1949 Trombley

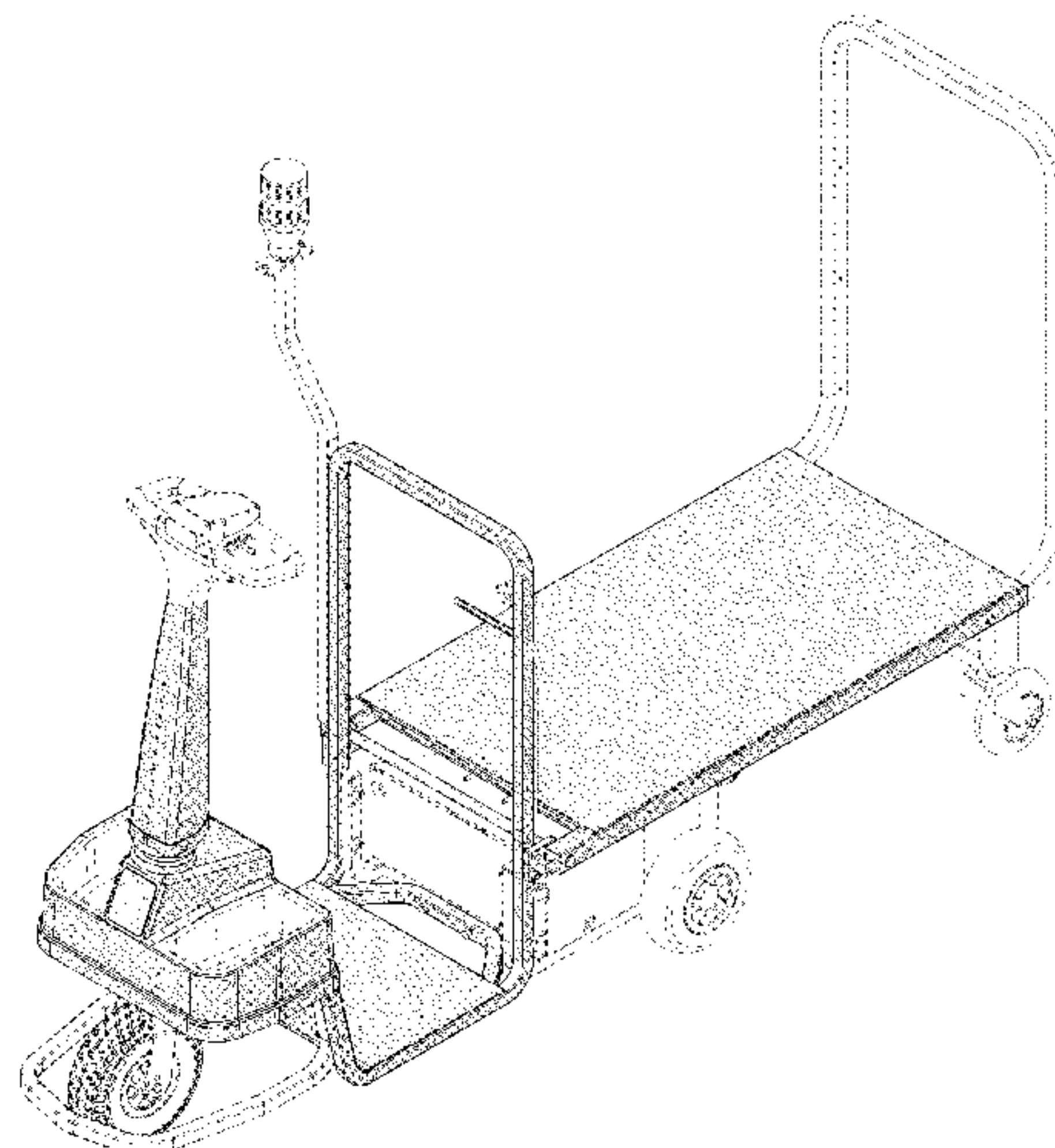
2,468,801 A 5/1949 Beall

2,495,573 A 1/1950 Duke

2,649,309 A 6/1951 Deissner

(Continued)

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|--------------|---------|----------------------|-------------------|---------|--|
| 2,629,611 A | 2/1953 | Covington | 4,729,447 A | 3/1988 | Morse |
| 2,635,703 A | 4/1953 | Goeller | 4,750,578 A | 6/1988 | Brandenfels |
| 2,639,785 A | 5/1953 | Vickers | 4,752,539 A | 6/1988 | Vatter |
| 2,710,659 A | 6/1955 | Moederle | 4,756,978 A | 7/1988 | Nitcher et al. |
| 2,782,076 A | 2/1957 | Miller | 4,772,037 A | 9/1988 | Jones |
| 2,782,870 A | 2/1957 | Sill | 4,798,255 A | 1/1989 | Wu |
| D185,438 S * | 6/1959 | Jones D34/37 | 4,846,295 A | 7/1989 | Shepard et al. |
| 2,919,756 A | 1/1960 | Knipe | D303,101 S | 8/1989 | Shepard et al. |
| 2,947,425 A | 8/1960 | Nichols | 4,886,294 A | 12/1989 | Nahachewski |
| 2,978,053 A | 4/1961 | Schmidt | 4,887,685 A | 12/1989 | Shepard et al. |
| 2,993,550 A | 7/1961 | Klappert | 4,892,166 A | 1/1990 | Gaffney |
| 3,061,031 A | 10/1962 | Packard | 4,944,359 A | 7/1990 | Doman et al. |
| 3,078,946 A | 2/1963 | Young | 4,947,955 A | 8/1990 | Hopely, Jr. |
| 3,095,099 A | 6/1963 | Costello | 4,953,645 A | 9/1990 | Korber et al. |
| 3,100,547 A | 8/1963 | Rosenthal | 5,020,624 A | 6/1991 | Nesterick et al. |
| 3,108,481 A | 10/1963 | Westmont | 5,071,150 A | 12/1991 | Conrad |
| 3,117,653 A | 1/1964 | Altherr | 5,074,372 A | 12/1991 | Schepis |
| 3,184,258 A | 5/1965 | Kapusta | 5,090,513 A | 2/1992 | Bussinger |
| 3,198,923 A | 8/1965 | Tripp | 5,090,517 A | 2/1992 | Doughty |
| 3,249,171 A | 5/1966 | Kinghorn | 5,121,806 A | 6/1992 | Johnson |
| 3,251,630 A | 5/1966 | Astley | 5,154,251 A | 10/1992 | Fought |
| 3,369,629 A | 2/1968 | Weiss | 5,161,630 A | 11/1992 | Garin, III et al. |
| 3,387,681 A | 6/1968 | Rabjohn | 5,181,733 A | 1/1993 | Tague |
| 3,388,761 A | 6/1968 | Arpin | 5,207,439 A | 5/1993 | Mortenson |
| 3,412,820 A | 11/1968 | Wachholz | 5,238,082 A | 8/1993 | Stegema et al. |
| D220,835 S | 6/1971 | Thieme | 5,316,328 A | 5/1994 | Bussinger |
| 3,605,929 A | 9/1971 | Rolland | 5,322,140 A | 6/1994 | Bussinger |
| 3,656,637 A | 4/1972 | Lynn et al. | 5,333,702 A | 8/1994 | Gaffney et al. |
| 3,794,132 A | 2/1974 | Moon | 5,388,659 A | 2/1995 | Pepe |
| 3,883,126 A | 5/1975 | Nicholls | 5,394,968 A | 3/1995 | Yu-Shu |
| 3,889,773 A | 6/1975 | Chant | 5,452,775 A | 9/1995 | Bussinger |
| 3,905,437 A | 9/1975 | Kaiho et al. | 5,478,196 A * | 12/1995 | Avitan B62B 3/0612 414/641 |
| 3,910,432 A | 10/1975 | Browne et al. | 5,497,844 A | 3/1996 | Fritzinger |
| 3,912,032 A | 10/1975 | Benz | 5,695,021 A | 12/1997 | Schaffner et al. |
| 3,921,744 A | 11/1975 | Benoit et al. | 5,714,815 A | 2/1998 | Fritzinger et al. |
| 3,930,551 A | 1/1976 | Cragg | 6,056,077 A | 5/2000 | Kobayashi |
| 3,939,931 A | 2/1976 | Benz | 6,170,592 B1 | 1/2001 | Wu |
| 3,957,164 A | 5/1976 | Brown | 6,176,337 B1 | 1/2001 | McConnell et al. |
| 3,979,137 A | 9/1976 | Lipscomb, Jr. et al. | 6,260,643 B1 * | 7/2001 | Schuchardt B62B 3/1404 180/14.1 |
| 3,982,648 A | 9/1976 | Luedtke et al. | 6,273,206 B1 | 8/2001 | Bussinger |
| D241,929 S | 10/1976 | Cosper | 6,523,661 B1 | 2/2003 | Bussinger |
| 4,010,499 A | 3/1977 | Davis et al. | 6,729,421 B1 * | 5/2004 | Gluck A61G 7/08 180/11 |
| 4,019,602 A | 4/1977 | Habiger | 6,834,734 B2 | 12/2004 | Wu |
| 4,039,093 A | 8/1977 | Schmitz et al. | 7,023,177 B1 | 4/2006 | Bussinger |
| 4,073,345 A | 2/1978 | Miller | 7,389,836 B2 * | 6/2008 | Johnson B60L 11/18 180/65.1 |
| 4,091,488 A | 5/1978 | Artzberger | 7,451,848 B2 | 11/2008 | Flowers et al. |
| 4,127,200 A | 11/1978 | Mann | 7,549,651 B2 * | 6/2009 | Holtan B62B 3/1404 180/19.1 |
| 4,147,373 A | 4/1979 | Cully | D605,374 S * | 12/2009 | Nishikawa D34/34 |
| 4,162,711 A | 7/1979 | Cornelius | 7,841,436 B2 | 11/2010 | Bussinger |
| 4,204,588 A | 5/1980 | Kawecki | 7,926,606 B2 | 4/2011 | Wang |
| 4,245,947 A | 1/1981 | Clement | 8,591,154 B2 * | 11/2013 | Bartels B60P 3/073 410/4 |
| 4,265,147 A | 5/1981 | Fox | 8,684,373 B2 * | 4/2014 | Holtan B62B 3/1404 280/33.991 |
| 4,281,958 A | 8/1981 | Molski | 8,776,932 B1 | 7/2014 | Bussinger et al. |
| 4,284,286 A | 8/1981 | Lewallen | 2003/0231945 A1 * | 12/2003 | Weatherly B62B 3/1404 414/604 |
| 4,320,818 A | 3/1982 | Knoche | 2004/0256164 A1 | 12/2004 | Huang |
| 4,350,227 A | 9/1982 | Knoche | 2004/0256166 A1 * | 12/2004 | Holtan B60B 33/0007 180/65.51 |
| D266,499 S | 10/1982 | Twitchell et al. | 2009/0020350 A1 | 1/2009 | Wu |
| 4,391,379 A | 7/1983 | Paffrath | 2013/0062846 A1 | 3/2013 | Hsiao |
| D269,960 S | 8/1983 | Cosper | 2013/0098698 A1 * | 4/2013 | Johnson A47L 11/10 180/65.1 |
| 4,398,858 A | 8/1983 | Paffrath | | | |
| 4,403,673 A | 9/1983 | Ball | | | |
| 4,452,327 A | 6/1984 | Mowat | | | |
| D276,904 S | 12/1984 | Shepard | | | |
| 4,503,925 A | 3/1985 | Palmer et al. | | | |
| 4,504,094 A | 3/1985 | Burrows | | | |
| 4,512,613 A | 4/1985 | Nassiri | | | |
| 4,522,420 A | 6/1985 | Hannappel | | | |
| 4,570,739 A | 2/1986 | Kramer | | | |
| D283,211 S | 4/1986 | Palmer et al. | | | |
| 4,595,214 A | 6/1986 | Downing | | | |
| D285,187 S | 8/1986 | Piziks et al. | | | |
| D285,671 S | 9/1986 | Thieme et al. | | | |
| 4,623,163 A | 11/1986 | Potts | | | |
| 4,633,962 A | 1/1987 | Cox et al. | | | |
| 4,666,008 A | 5/1987 | Shepard | | | |

FOREIGN PATENT DOCUMENTS

| | | |
|----|---------|---------|
| DE | 3133636 | 3/1983 |
| EP | 0204040 | 12/1986 |
| EP | 338689 | 10/1989 |
| FR | 1540324 | 8/1968 |
| GB | 757275 | 9/1956 |
| GB | 1149505 | 4/1966 |

(56)

References Cited

FOREIGN PATENT DOCUMENTS

| | | |
|----|---------|---------|
| GB | 1087225 | 10/1967 |
| GB | 1383457 | 2/1975 |
| GB | 1401961 | 8/1975 |
| GB | 1427838 | 3/1976 |
| GB | 1569967 | 6/1980 |
| IT | 537091 | 12/1955 |
| WO | 9006097 | 6/1990 |

OTHER PUBLICATIONS

Health Aid Services, Inc. A-Bee Scoota pamphlet 2 pages.
E.F. Brewer Company Portascoot pamphlet 2 pages.
E.F. Brewer Company Portascoot The Alternative pamphlet 4 pages.
Voyager Inc. Voyager II (prior art) 5 pages.
Voyager Inc. Voyager IV (prior art) 4 pages.
Voyager Inc. Voyager VI (prior art) 4 pages.
New Equipment Digest, 6/73, p. 19, Compact Electric Cart, top of page.

* cited by examiner

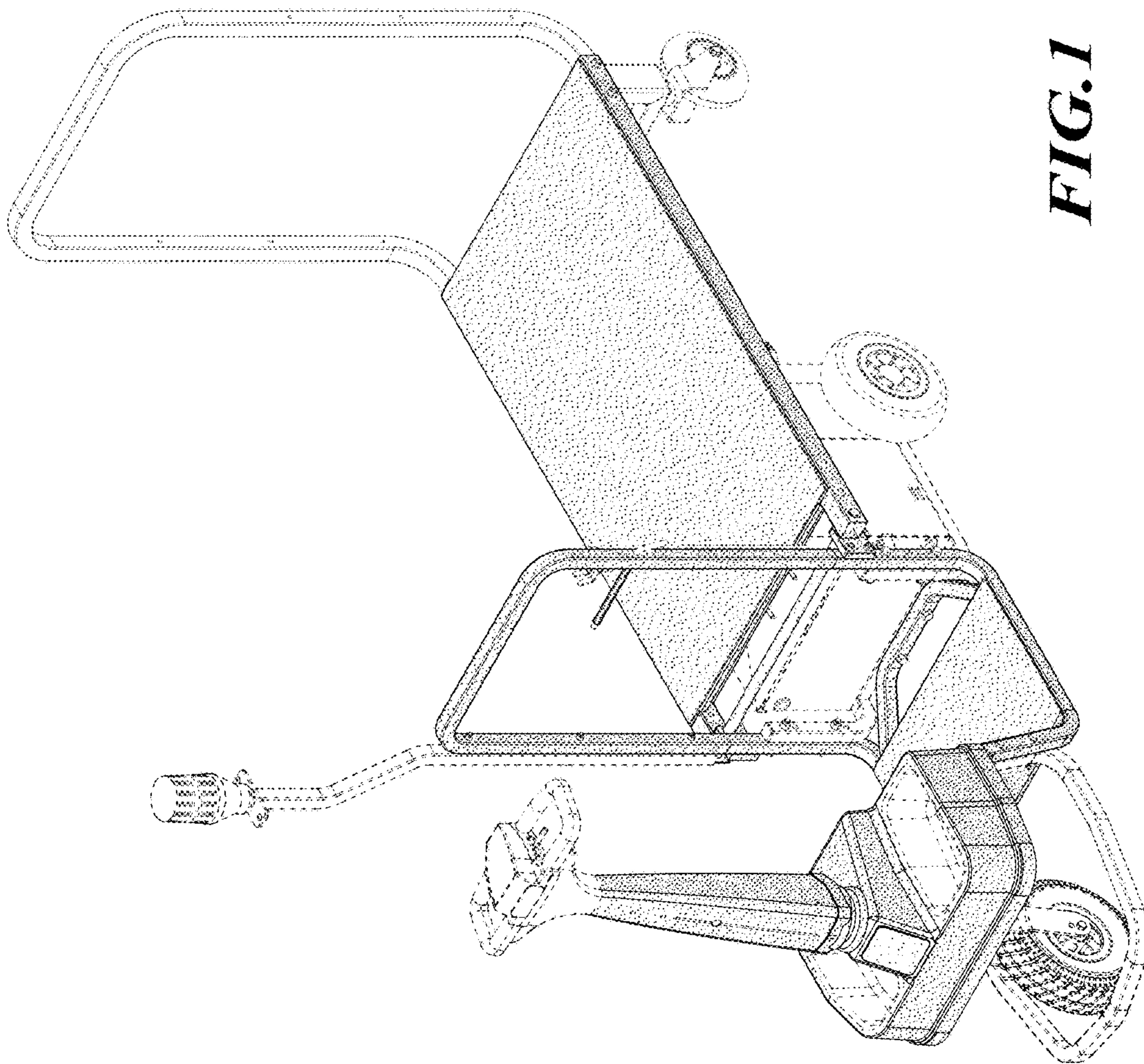


FIG. 1

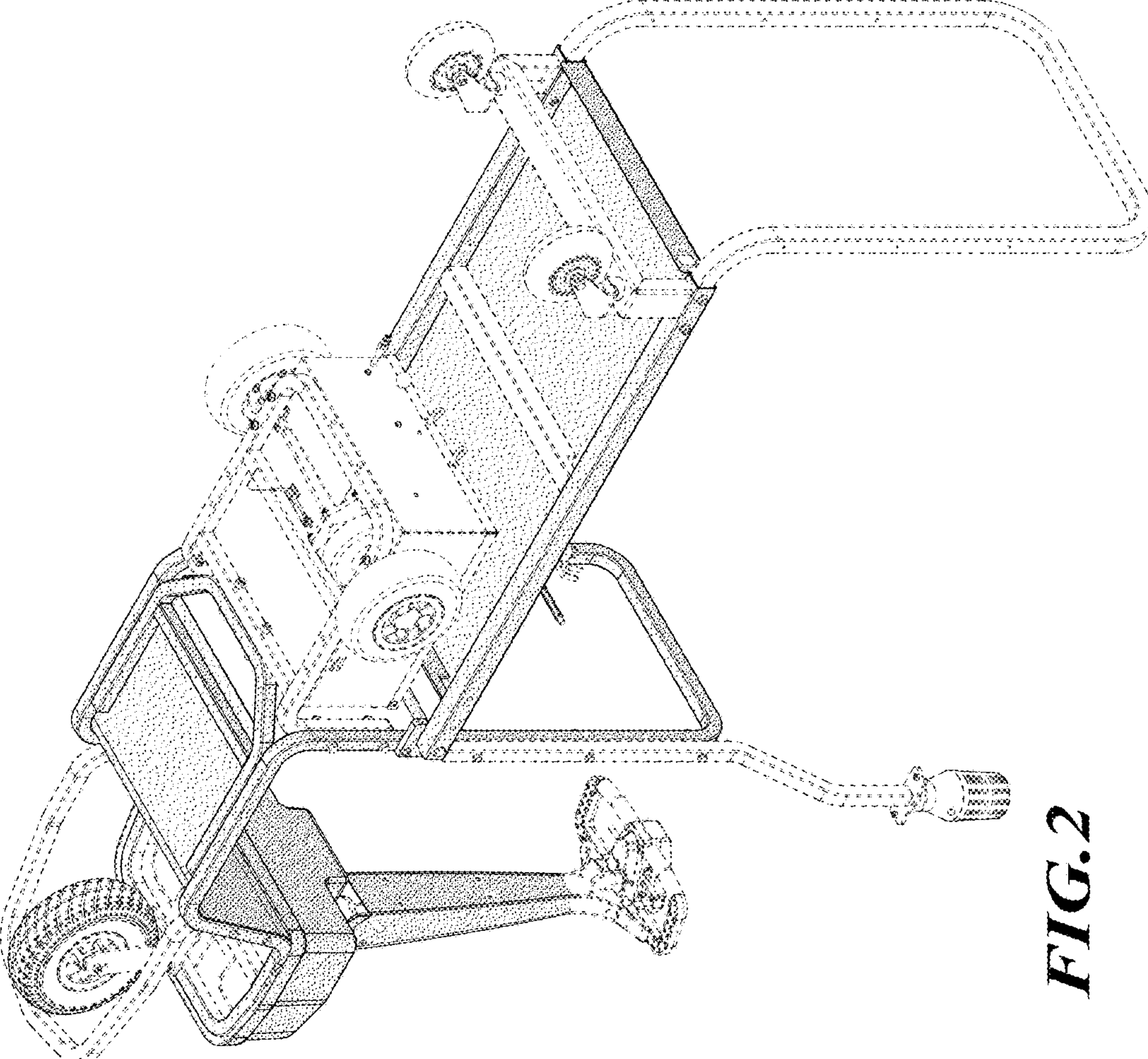


FIG. 2

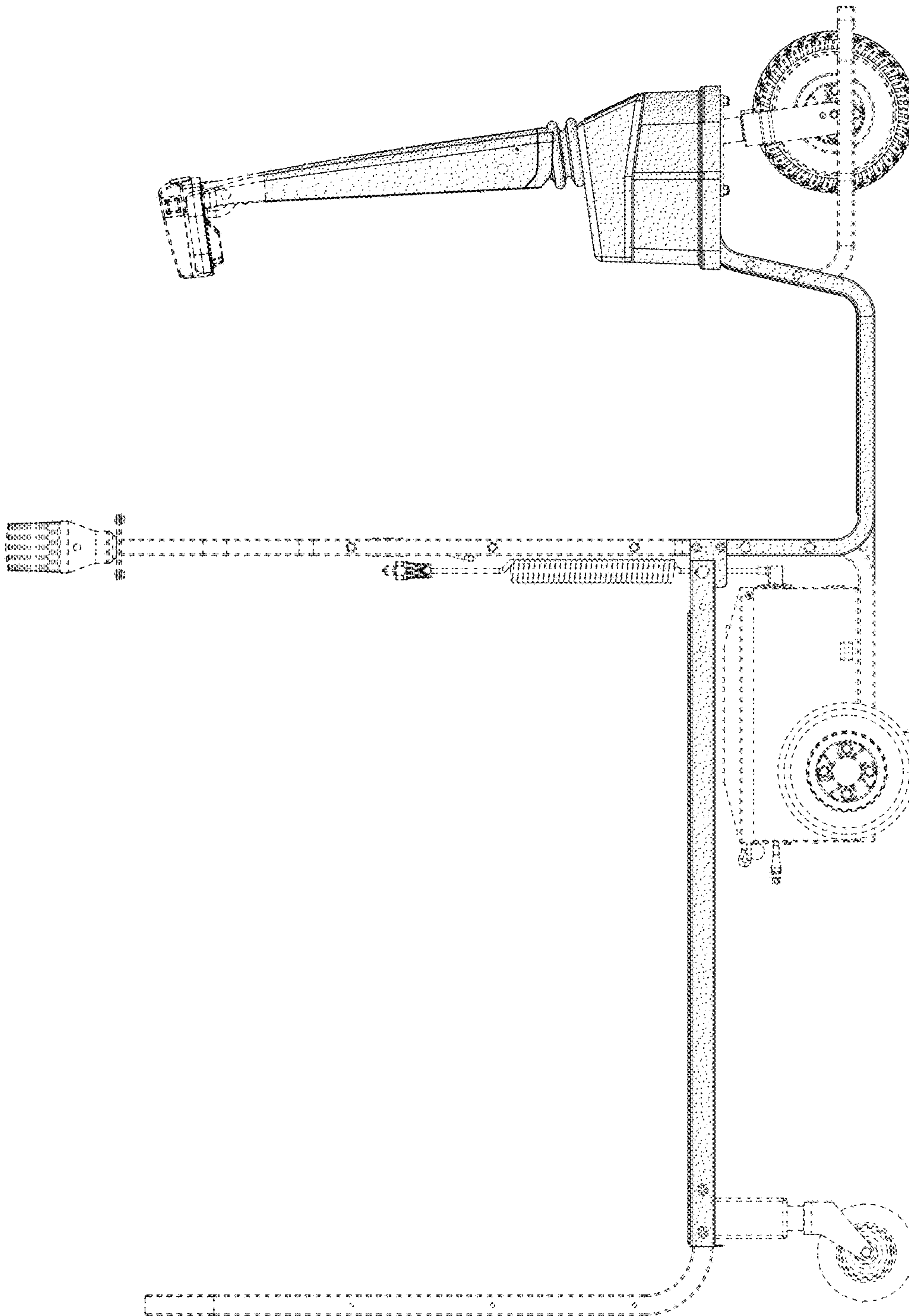


FIG.3

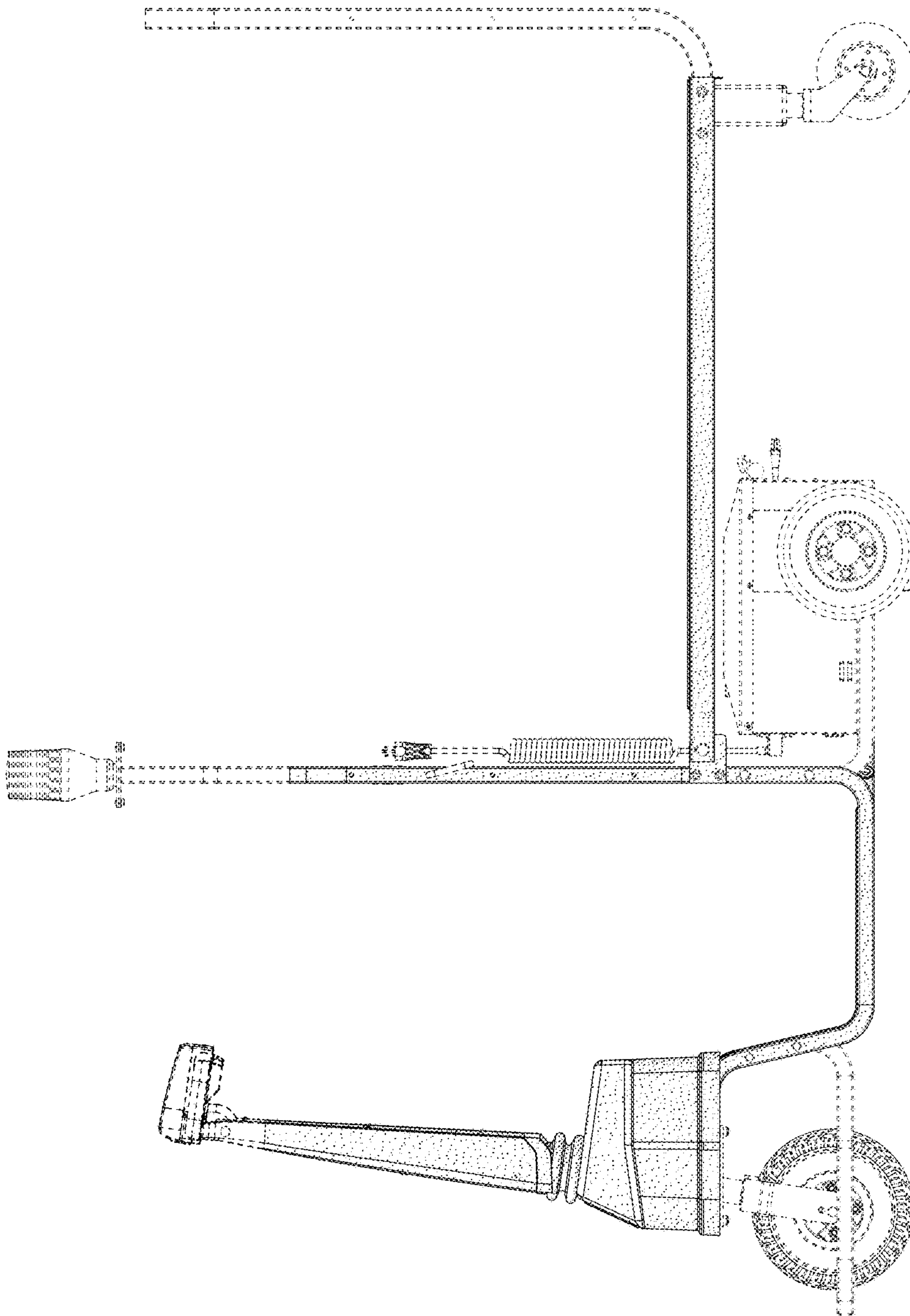


FIG.4

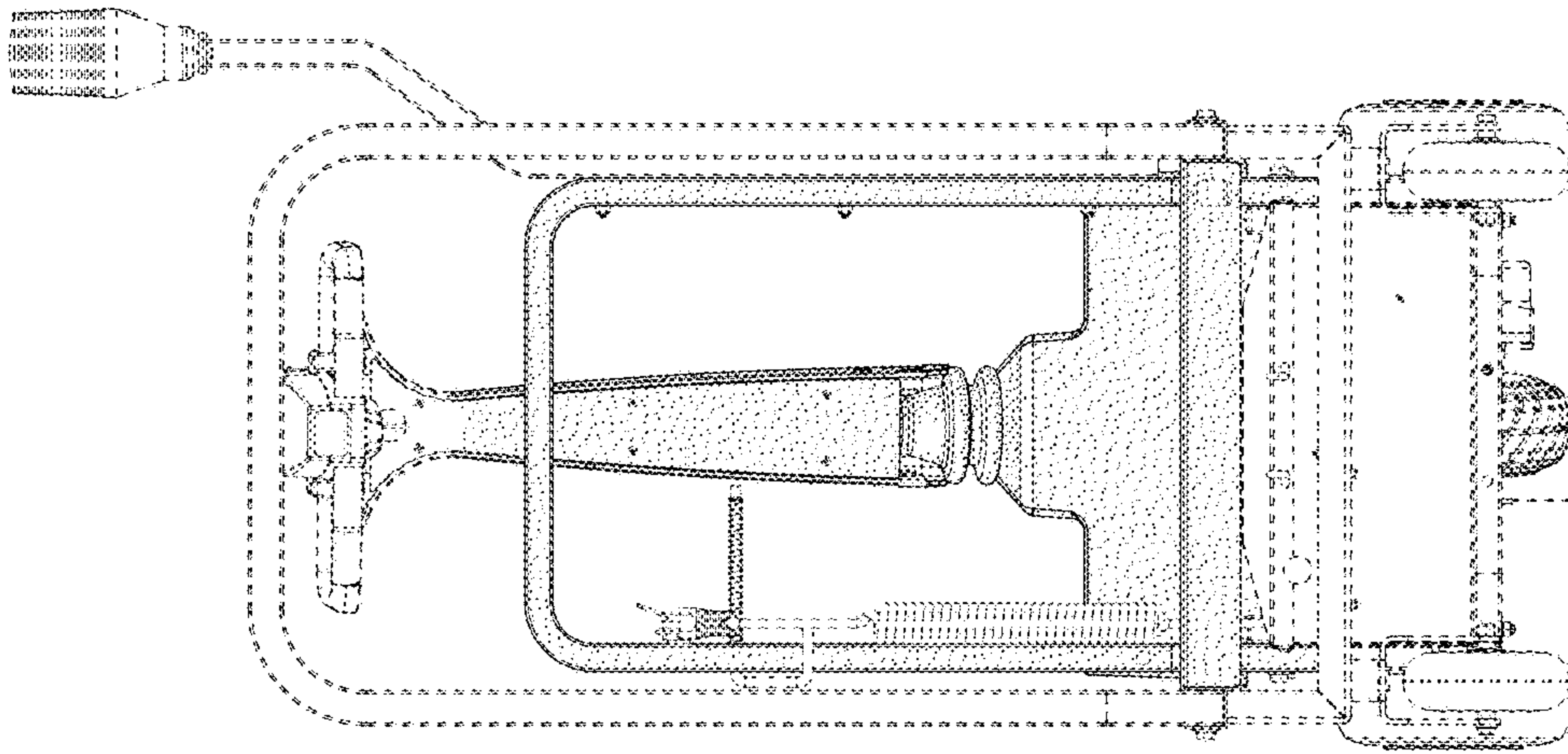


FIG. 6

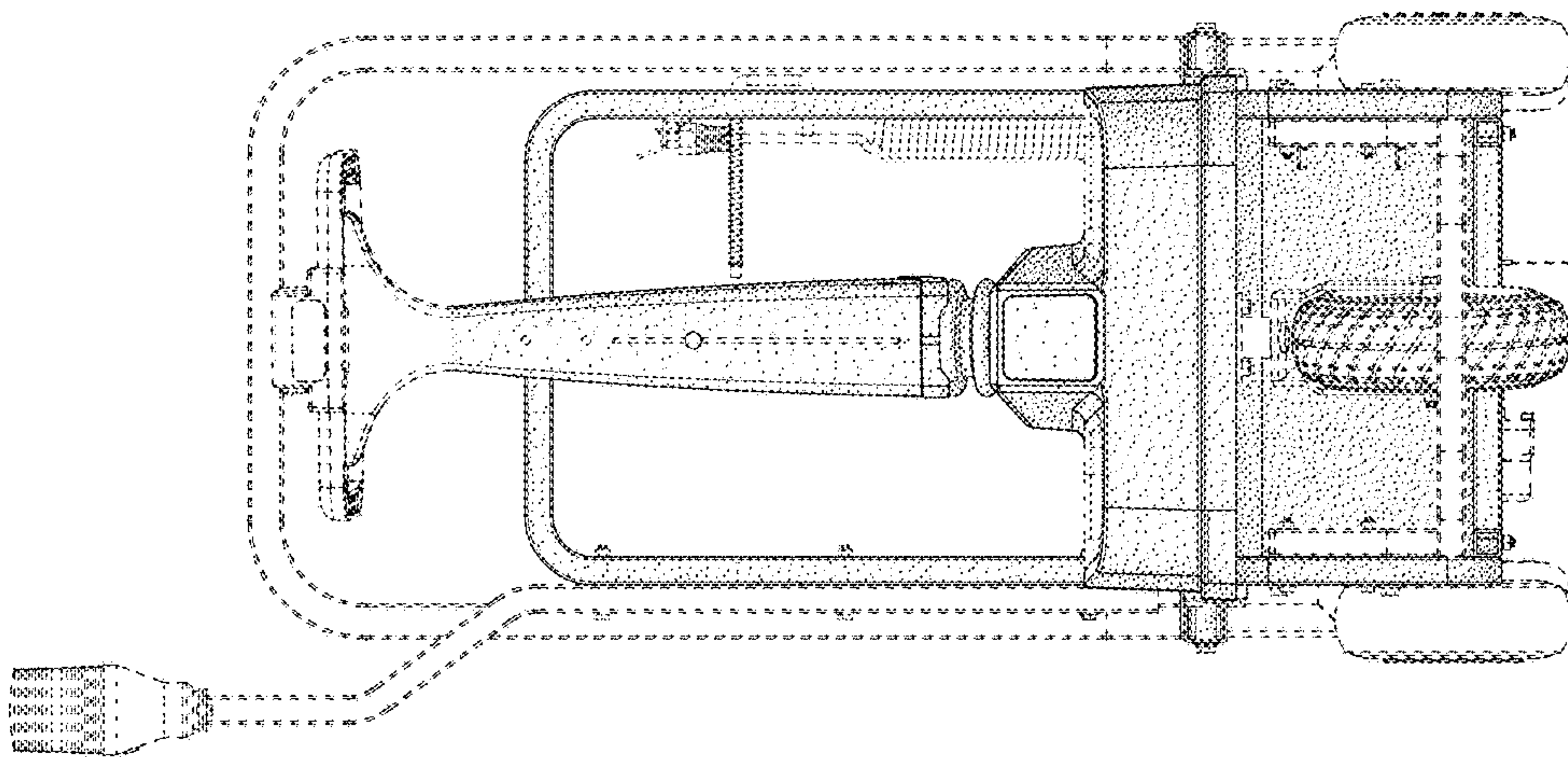


FIG. 5

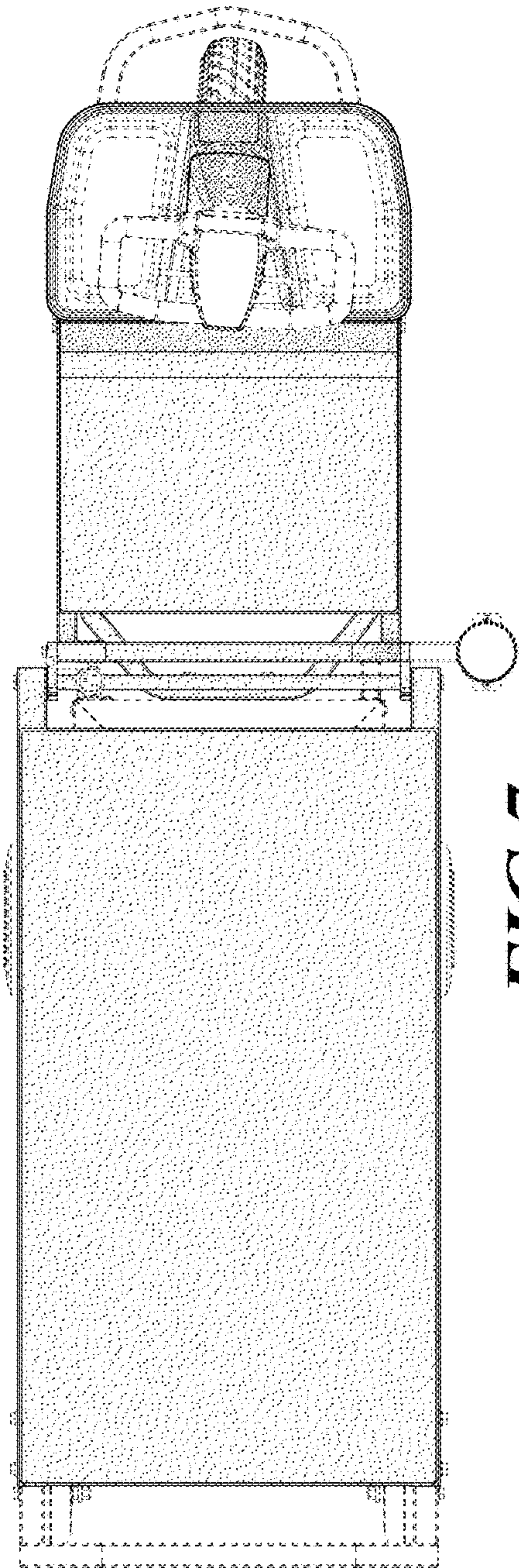


FIG. 7

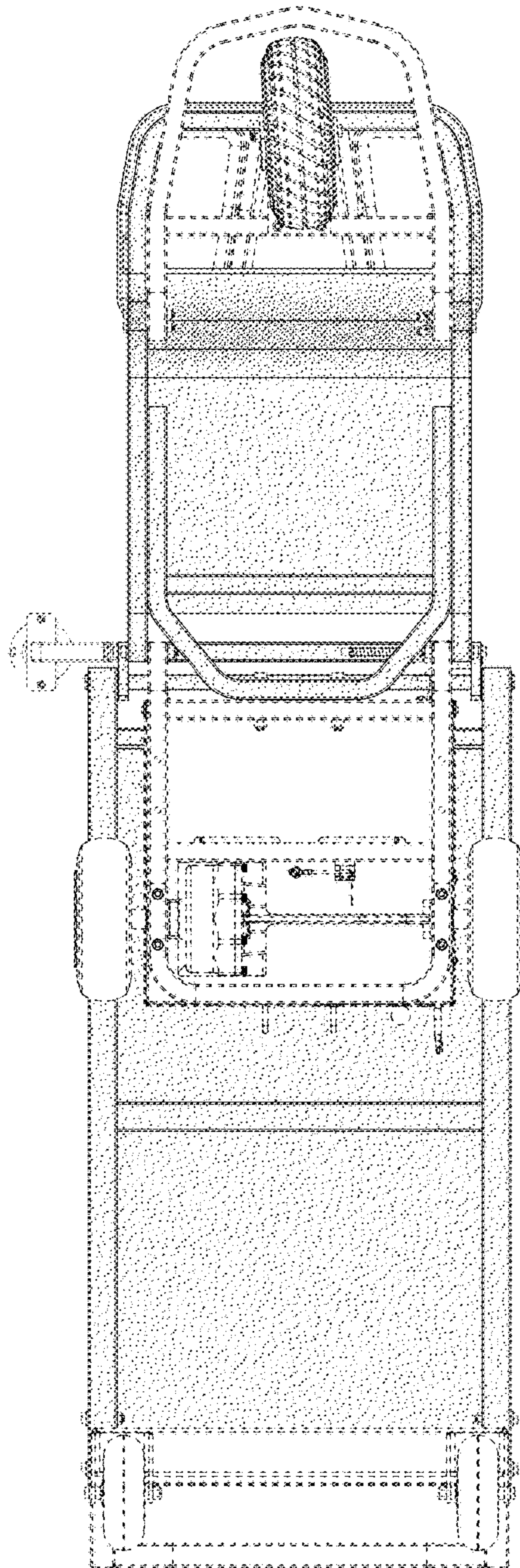


FIG. 8

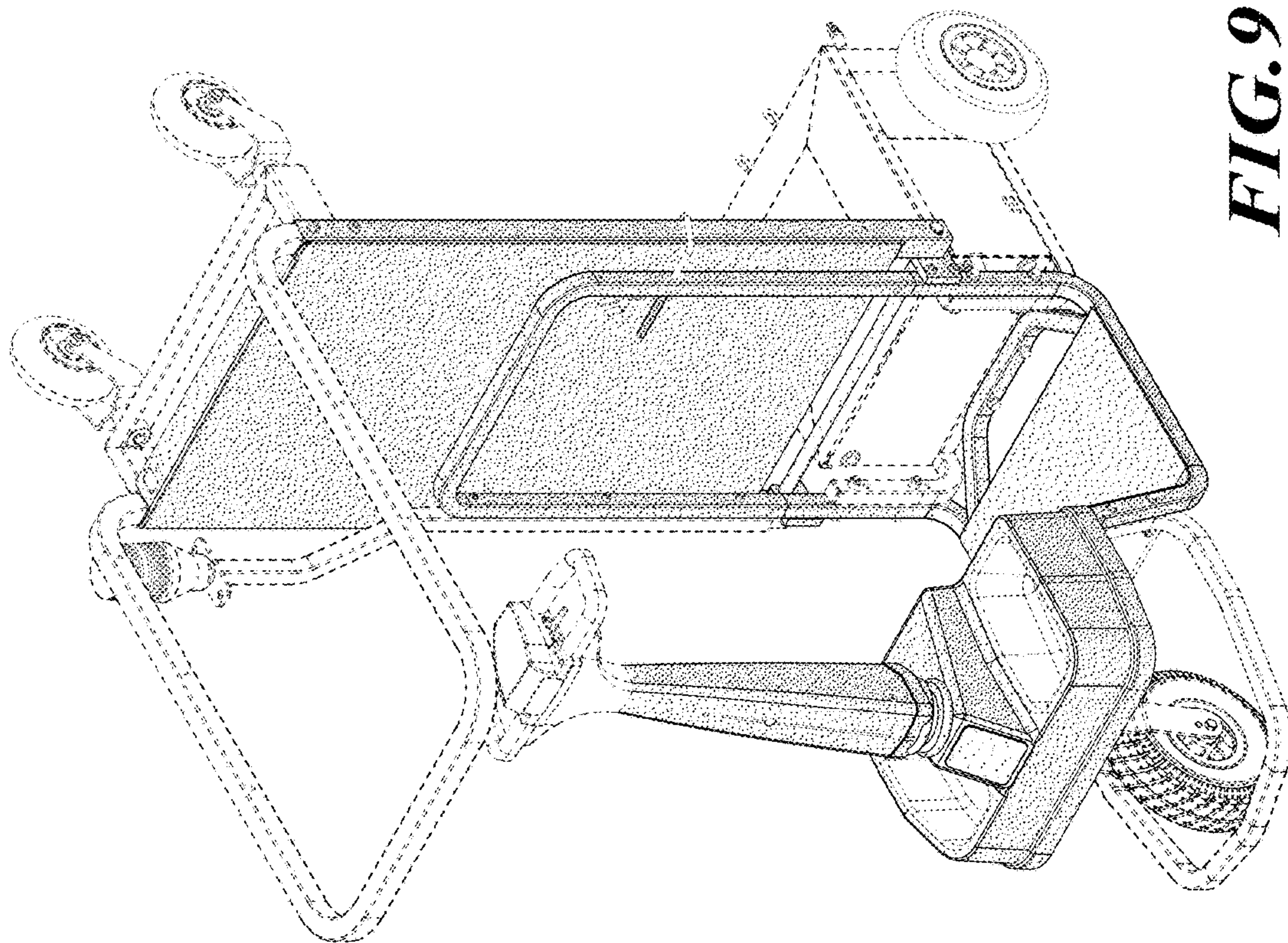


FIG. 9

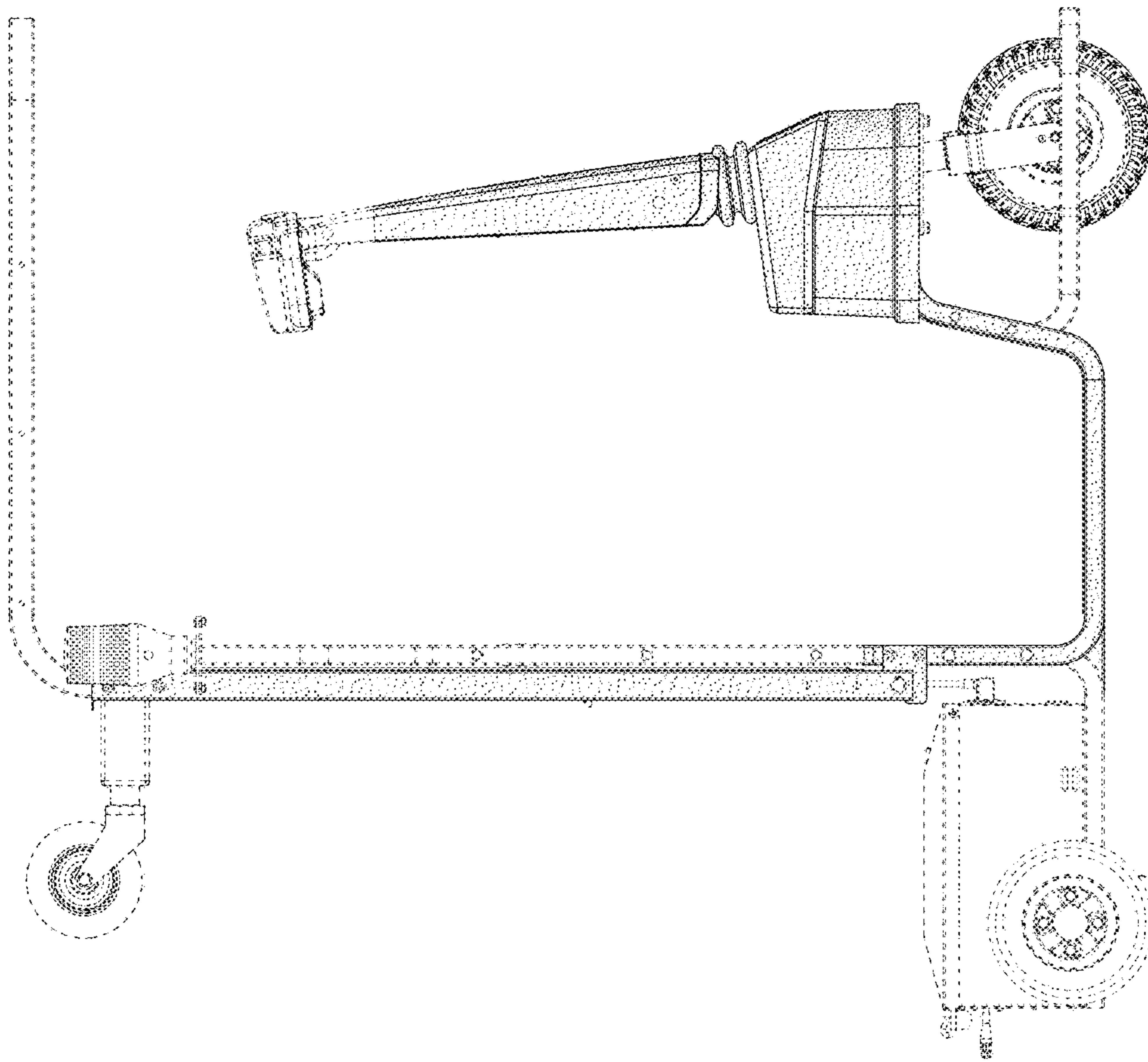


FIG. 10