



(12) **United States Patent**
Dow et al.

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(54) **WINDROW MERGING MACHINE AND METHOD OF MERGING WINDROWS**

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(73) Assignee: **Byron Enterprises, Inc.**, Byron, NY (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/255,209**

(22) Filed: **Feb. 22, 1999**

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/253,486, filed on Feb. 19, 1999, now abandoned.

(51) **Int. Cl.**⁷ **A01D 78/00**

(52) **U.S. Cl.** **56/366**

(58) **Field of Search** 56/345, 344, 354, 56/355, 358, DIG. 21, 370, 376, 365, 366, 375

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,877,770 * 9/1932 Larson 56/376
- 2,343,583 * 3/1944 Rogers 56/345
- 3,695,015 * 10/1972 Twidale et al. 56/181
- 3,714,766 * 2/1973 Ender et al. 56/364
- 4,738,092 4/1988 Jennings 56/372

- 4,793,129 12/1988 Ehrhart et al. 56/370
- 4,910,951 * 3/1990 Reilly et al. 56/376
- 5,111,636 5/1992 Quirin 56/367
- 5,155,986 10/1992 Kelderman 56/365
- 5,163,277 11/1992 Fransgaard 56/366
- 5,177,944 * 1/1993 Finlay 56/365
- 5,203,154 * 4/1993 Leshner et al. 56/366
- 5,507,139 * 4/1996 Delperdang et al. 56/366

* cited by examiner

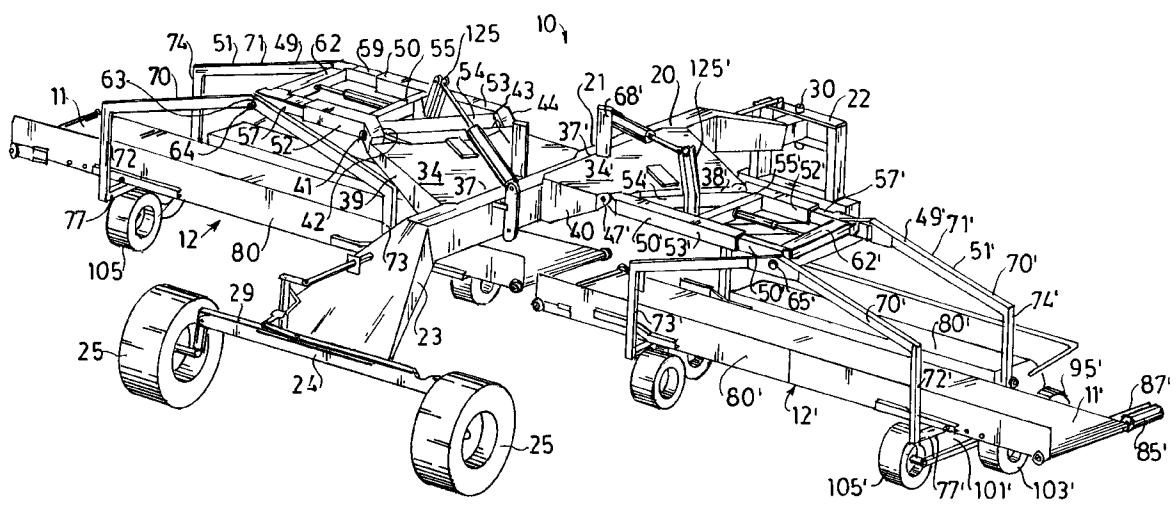
Primary Examiner—Robert E. Pezzuto

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(57) **ABSTRACT**

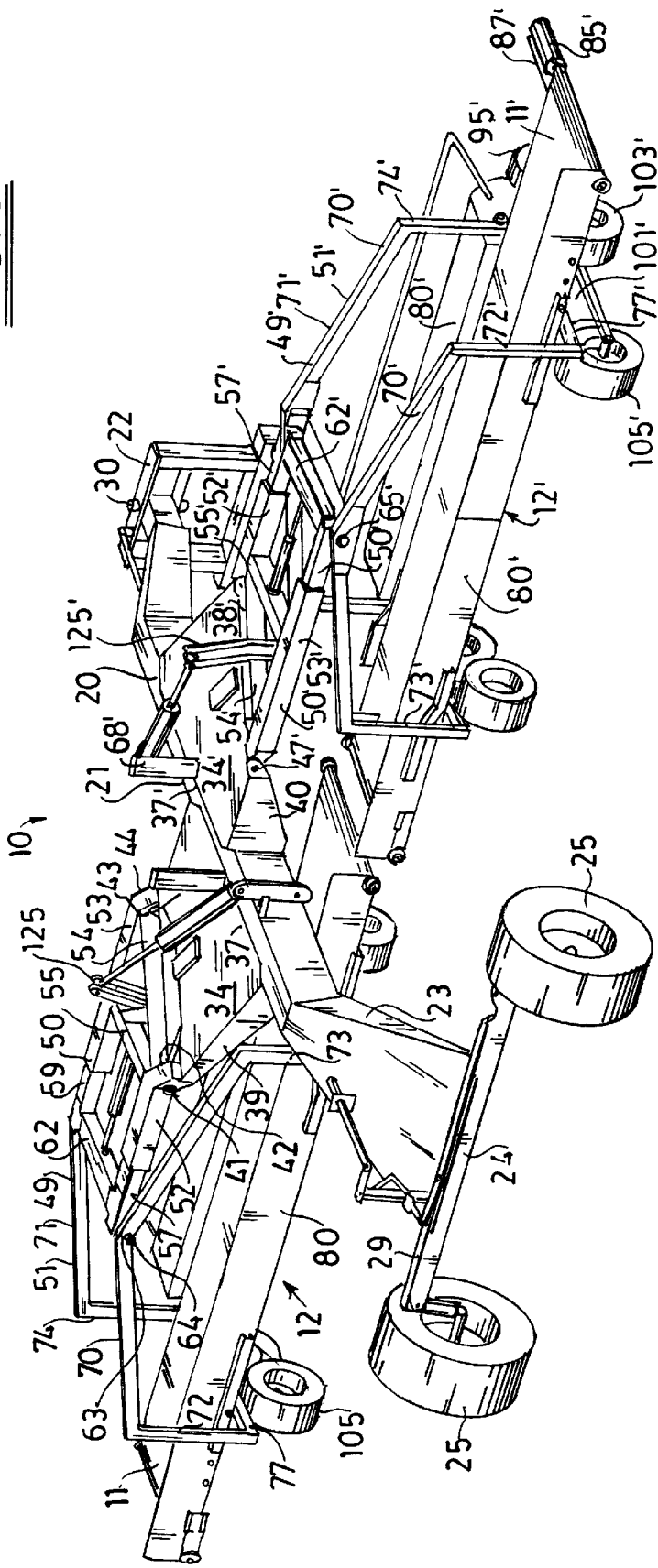
A windrow gathering machine including a main frame, first and second combined pickup and conveyor units pivotally mounted on skewed axes on opposite sides of the main frame, for movement between substantially horizontal operating positions and inclined vertical stowed positions, first motors for driving the conveyors in the same and opposite directions, second motors for moving the combined pickup and conveyor units between the operating and stowed positions, third motors for moving the combined pickup and conveyor units transversely of the main frame, and mountings for moving only the conveyors relative to each other and relative to the pickups of the combined pickup and conveyor units. A method of merging windrows including the steps of lifting first and second adjacent windrows and conveying them in opposite directions and depositing them proximate to third and fourth windrows to create two double windrows, or alternatively, lifting spaced windrows and conveying them in the same direction and depositing them relative to a third windrow to create a triple windrow.

61 Claims, 15 Drawing Sheets



H&S Mfg. Co., Inc.
v. Oxbo Int'l Co.
IPR2016-00950
H&S Mfg Co., Inc.
Exhibit 1013

FIG. 3



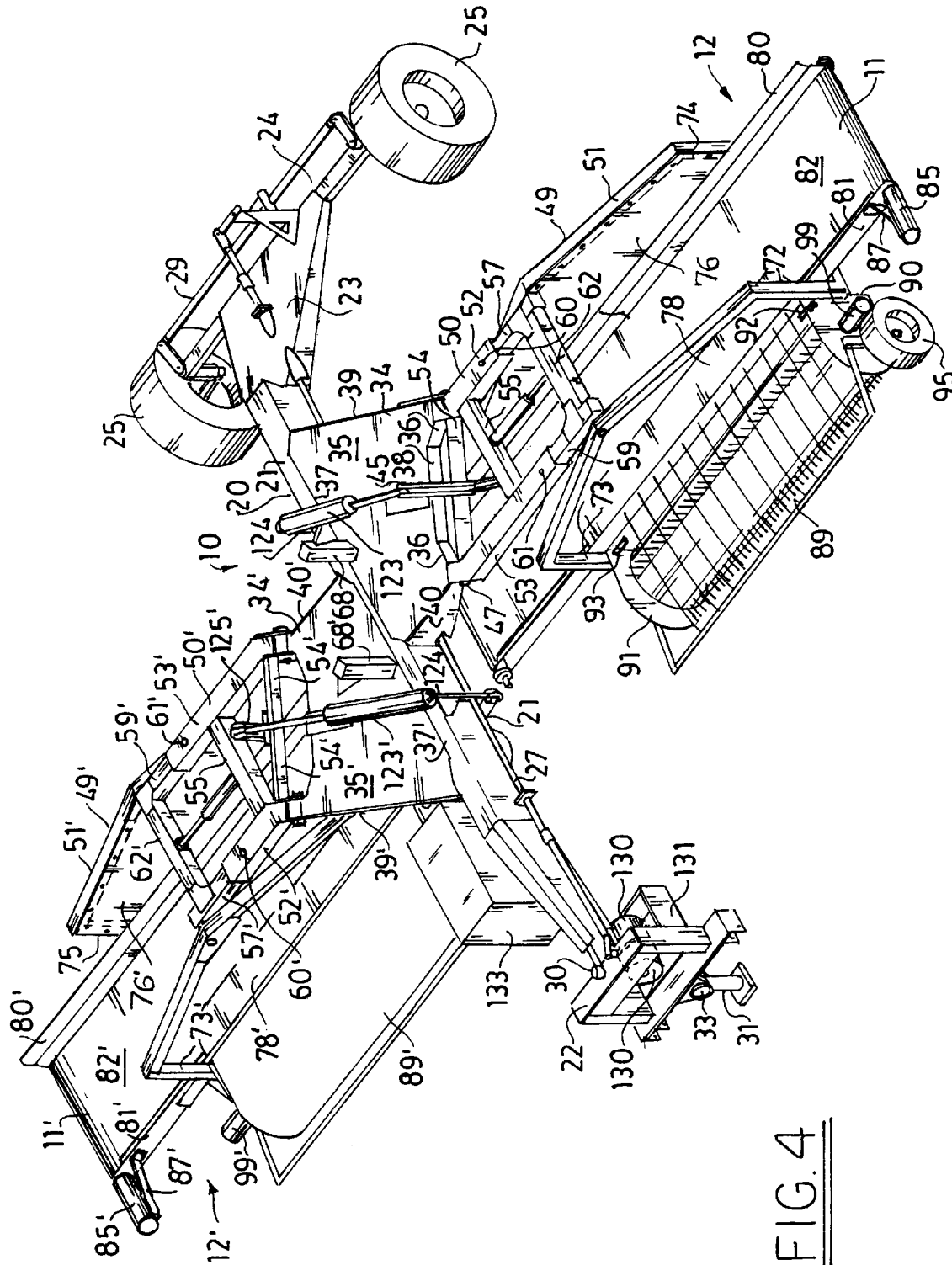


FIG. 4

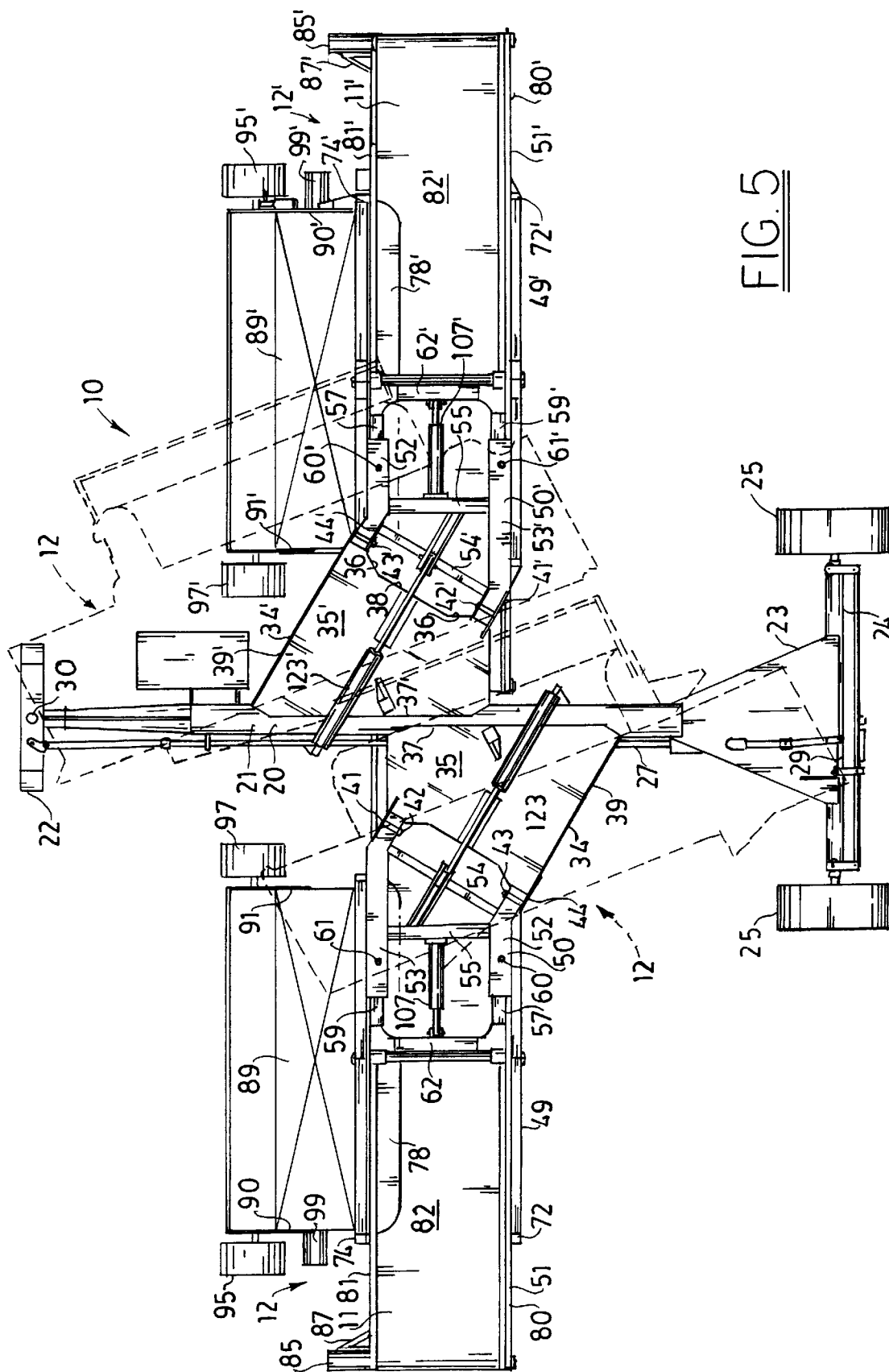


FIG. 5

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