

Submitted for recognition as an American National Standard

(R) COMPONENT NOMENCLATURE—FELLER BUNCHER

Foreword—This Document has also changed to comply with the new SAE Technical Standards Board Format.

1. **Scope**—This SAE Standard includes names of major components and parts peculiar to this type of machine. Illustrations used here are not intended to include all existing commercial machines or be exactly descriptive of any particular machine. They have been provided to describe the principles to be used in applying this document.

2. **References**

2.1 **Applicable Publication**—The following publication forms a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

2.1.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J1272—Felling Head Terminology and Nomenclature

2.2 **Related Publication**—The following publications are provided for information purposes only and are not a required part of this document.

2.2.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J1209—Identification Terminology of Mobile Forestry Machines

3. **Definitions**

3.1 **Feller Buncher**—A self-propelled machine designed to fell standing trees and arrange them in bunches.

Two particular types of feller bunchers have been identified. They are:

- a. **Swing-to-Bunch**—See Figure 1 and Figure 2. This type is characterized by movement of the booms and felling head during the bunching operation.
- b. **Travel-to-Bunch**—See Figure 3 and Figure 4. This type is characterized by movement of the machine during one cycle of bunching operation and can include pre-accumulation in the felling head or on the machine.

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4. Nomenclature

1. Felling Head—See SAE J1272
2. Felling Head Pivot
3. Felling Head Link
4. Guide Link
5. Felling Head Cylinder
6. Stick Boom
7. Stick Boom Pivot
8. Stick Boom Cylinder
9. Main Boom
10. Main Boom Cylinder(s)
11. Operator Enclosure
12. Main Boom Pivot
13. Machine Frame Pivot
14. Upper Structure
15. Axis of Rotation
16. Undercarriage
17. Boom Mast
18. Swing Bearing
19. Sweep
20. Lift Arm
21. Lift Arm Pivot
22. Lift Arm Cylinder
23. Machine Frame
 - a. Front Frame
 - b. Rear Frame
24. Bell Crank
25. Levelling Mechanism
26. Skylight

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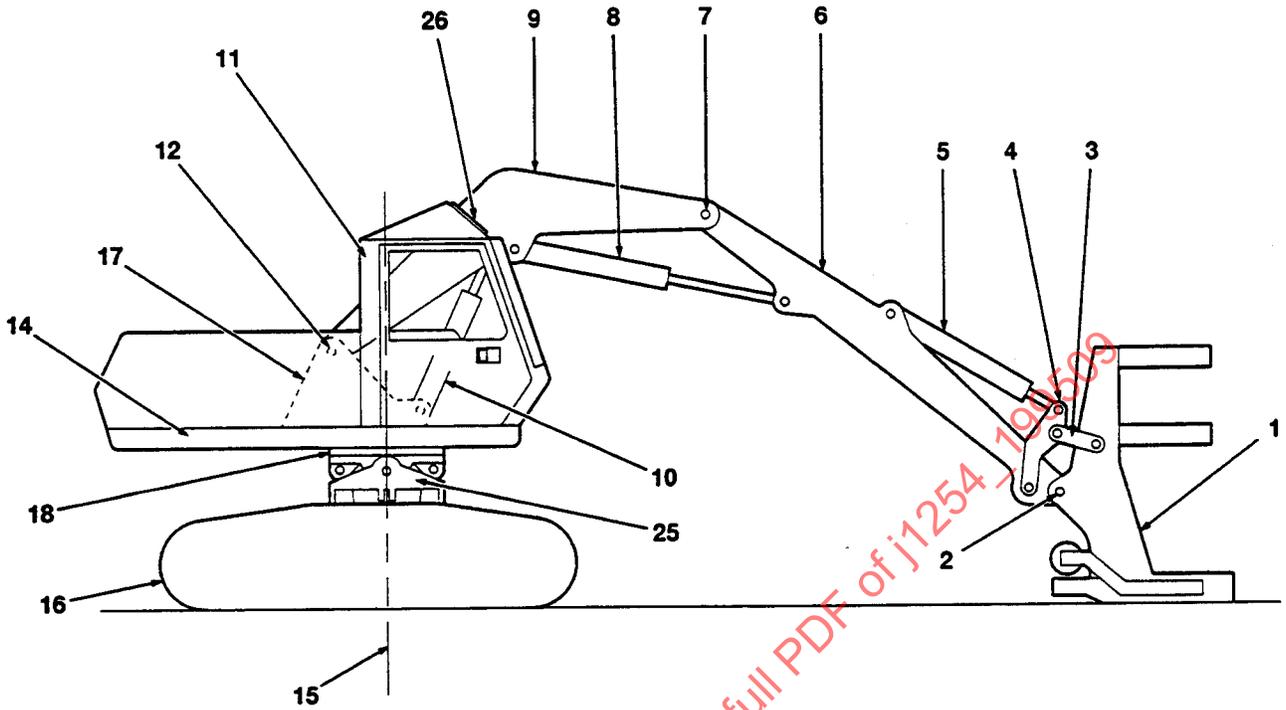


FIGURE 1—FELLER BUNCHER—SWING TO BUNCH—TRACK TYPE

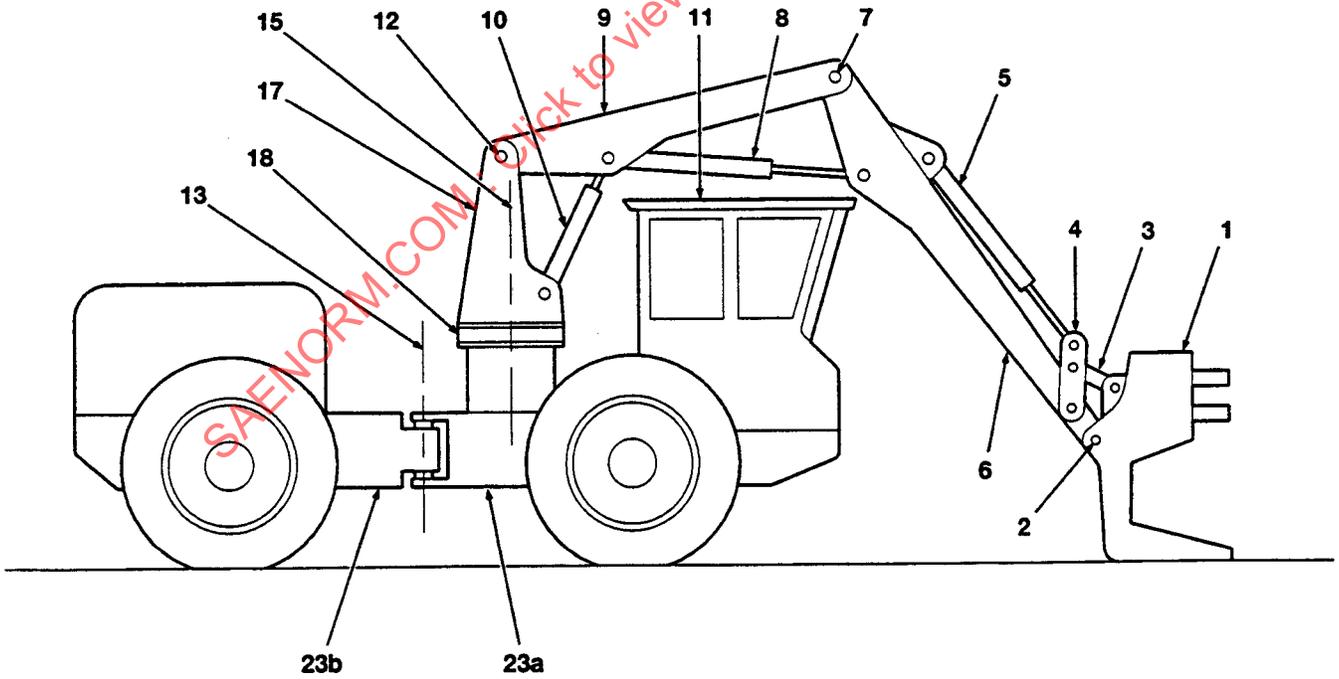


FIGURE 2—FELLER BUNCHER—SWING TO BUNCH—WHEEL TYPE

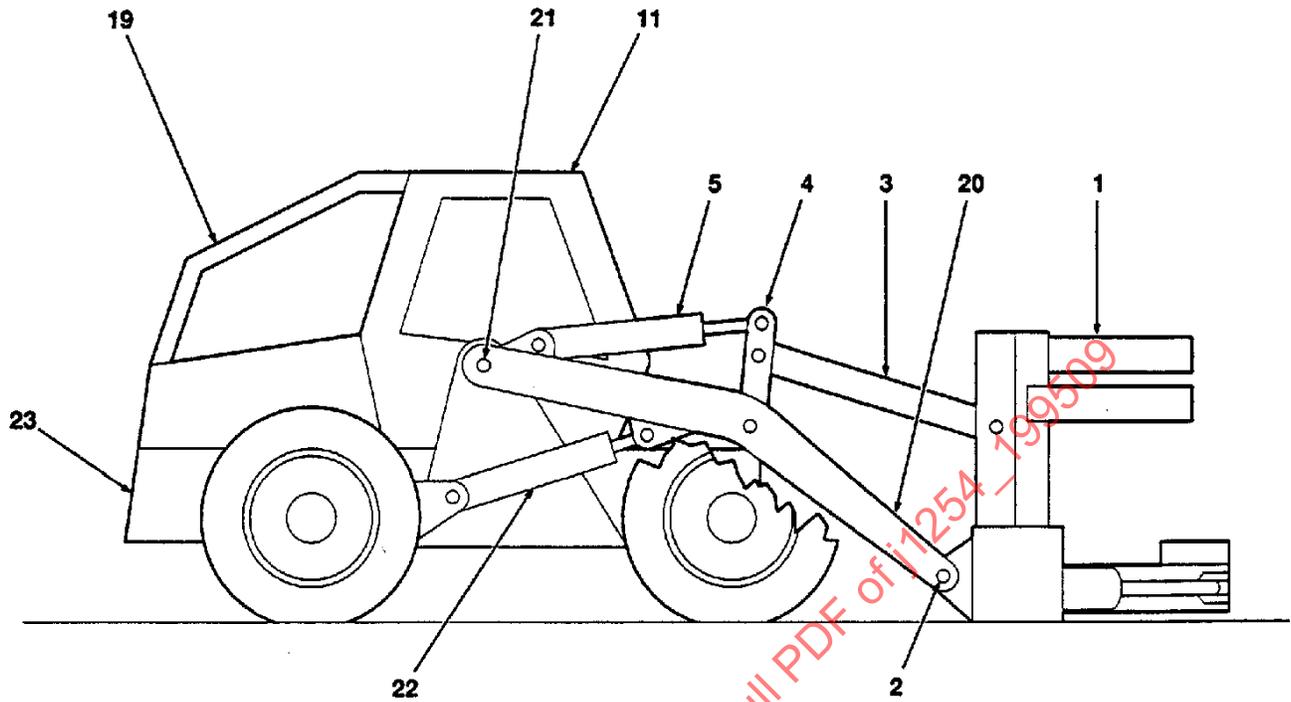


FIGURE 3—FELLER BUNCHER—TRAVEL TO BUNCH—WHEEL TYPE

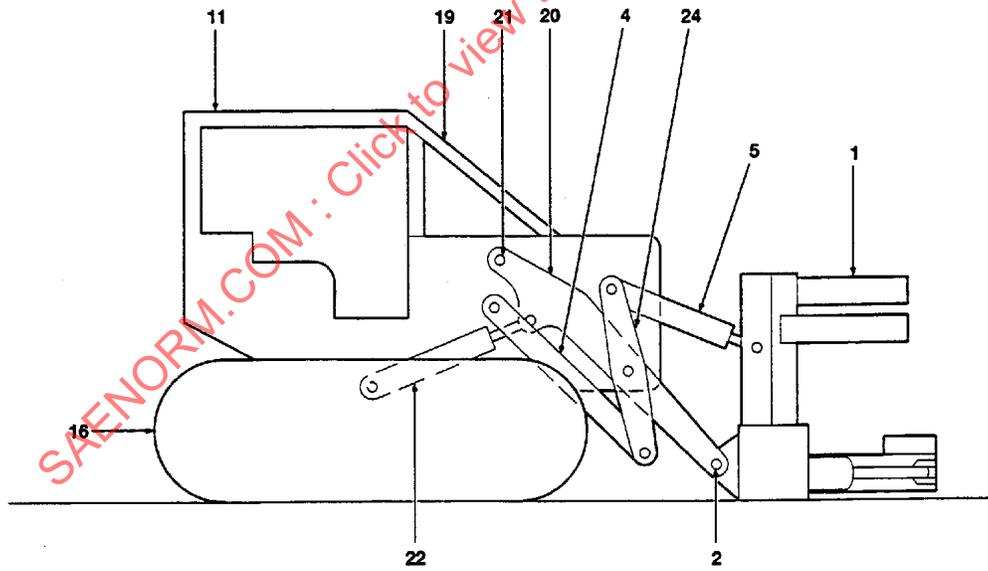


FIGURE 4—FELLER BUNCHER—TRAVEL TO BUNCH—TRACK TYPE