

Issued 1979-04
Reaffirmed 2007-08

Superseding J1254 DEC2002

Component Nomenclature—Feller Buncher

- 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.
- 1.1 Rationale**—This document has been reaffirmed to comply with the SAE 5-Year Review policy.
- 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, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.
- 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, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.
- 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.

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- 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.

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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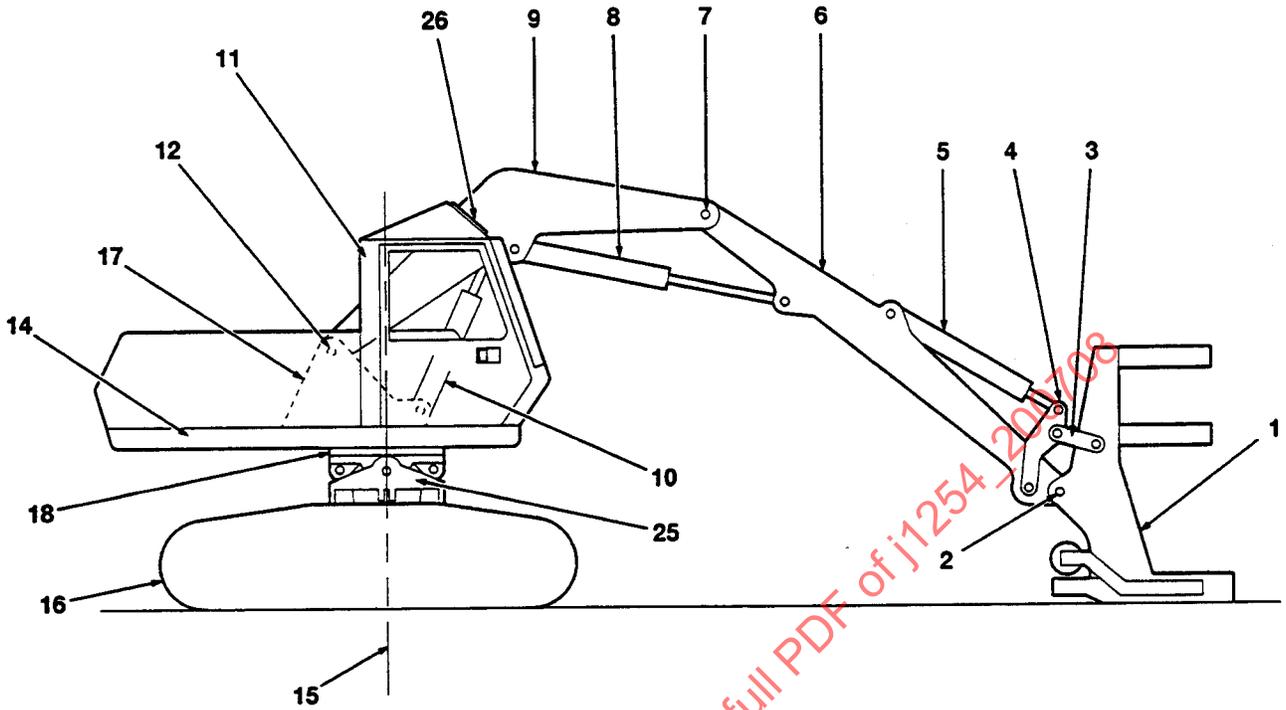


FIGURE 1—FELLER BUNCHER—SWING TO BUNCH—TRACK TYPE

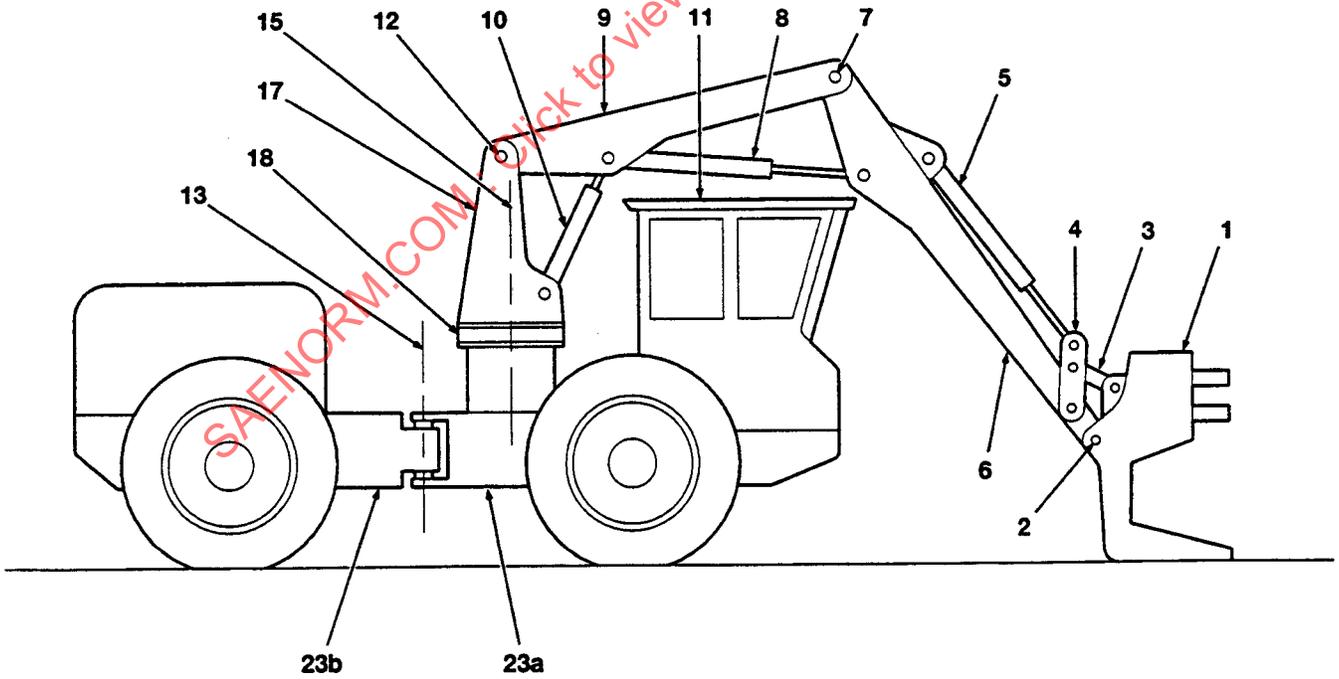


FIGURE 2—FELLER BUNCHER—SWING TO BUNCH—WHEEL TYPE