



SURFACE VEHICLE STANDARD	J1254	MAR2015
	Issued 1979-04 Stabilized 2015-03	
	Superseding J1254 AUG2007	
Component Nomenclature - Feller Buncher		

RATIONALE

This is a Nomenclature standard which is mature and not likely to change in the foreseeable future.

STABILIZED NOTICE

This document has been declared "Stabilized" by the SAE MTC4, Forestry and Logging Equipment Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

SAENORM.COM : Click to view the full PDF of J1254 - 201503

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2015 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
<http://www.sae.org>

SAE WEB ADDRESS:

**SAE values your input. To provide feedback
on this Technical Report, please visit
http://www.sae.org/technical/standards/J1254_201503**

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, 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.

- 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

SAENORM.COM : Click to view the full PDF of J1254_201503

