

Submitted for recognition as an American National Standard

Component Nomenclature—Scrapers

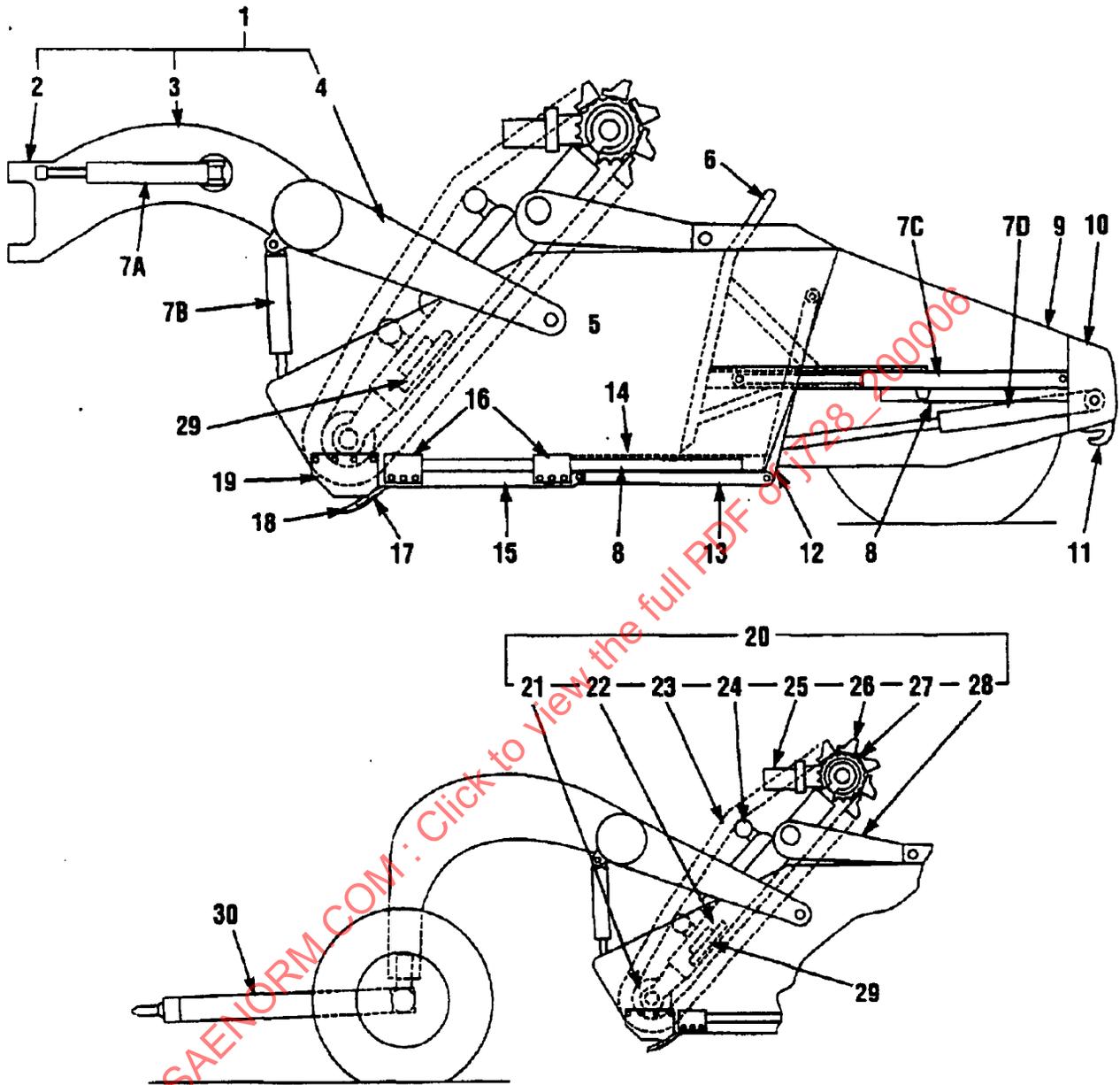
1. **Scope**—This SAE Standard provides names of major components peculiar to the scraper portion of tractor-scrapers. Reference SAE J1057. Illustrations of components are not intended to be exactly descriptive of any particular machine.
2. **References**
 - 2.1 **Applicable Publication**—The following publication forms a part of this specification to the extent specified herein. Unless otherwise indicated, the latest version of SAE publications shall apply.
 - 2.1.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J1057—Identification Terminology of Earthmoving Machines
 3. **Push-Pull Or Dual Load**—A mechanism that allows one tractor-scraper to assist in loading another tractor-scraper by pushing or pulling through engagement devices, which usually include push plates, a hook, and a bail. See Figures 1, 2, and 3 for the different types of scrapers.

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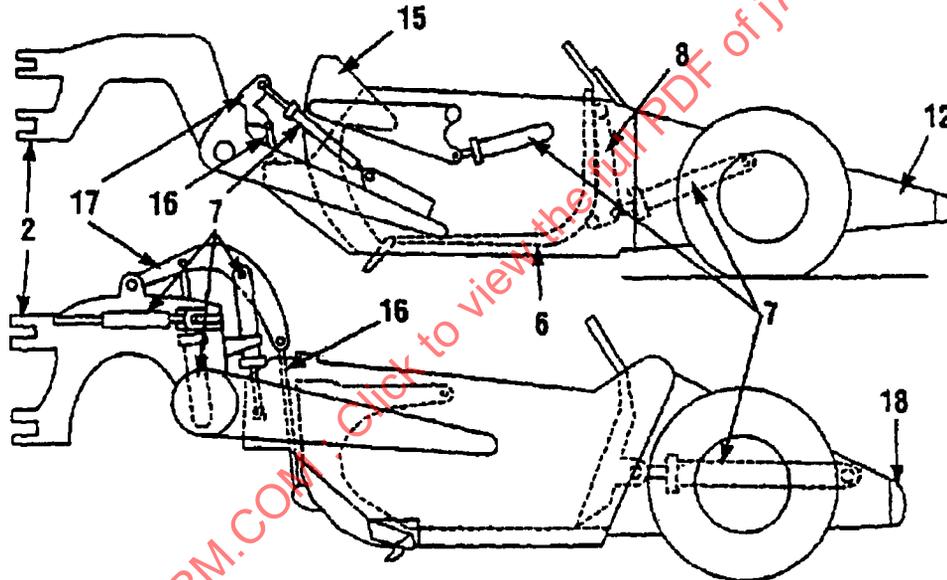
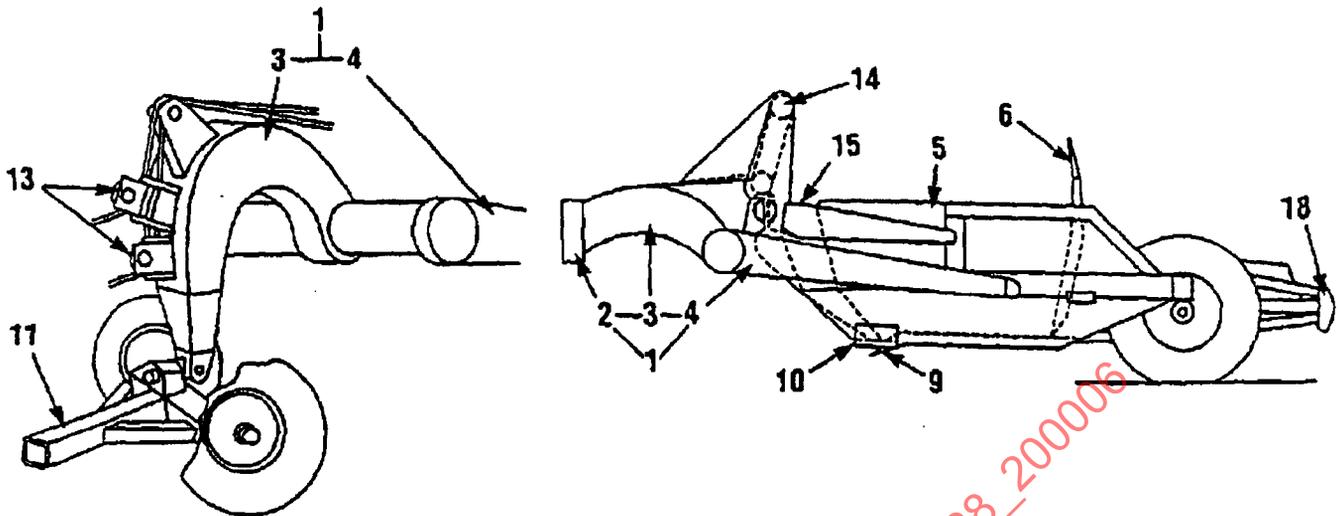
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|------------------------|----------------------------|----------------------------------|
| 1. FRAME, DRAFT | 9. FRAME, REAR | 20. ELEVATOR |
| 2. HOUSING, KINGPIN | 10. BUMPER | 21. IDLER, LOWER |
| 3. GOOSENECK | 11. HOOK, TOW | 22. FRAME, ELEVATOR |
| 4. ARM, DRAFT | 12. LEVER, FLOOR | 23. CHAIN |
| 5. BOWL | 13. LINK, FLOOR | 24. IDLER, CHAIN SUPPORT/TENSION |
| 6. EJECTOR | 14. FLOOR, FIXED | 25. DRIVE, ELEVATOR |
| 7A. CYLINDER, STEERING | 15. FLOOR, MOVABLE | 26. FLIGHT |
| 7B. CYLINDER, BOWL | 16. SLIDE (ROLLERS), FLOOR | 27. SPROCKET, CHAIN |
| 7C. CYLINDER, EJECTOR | 17. CUTTING EDGE | 28. ARM, ELEVATOR |
| 7D. CYLINDER, FLOOR | 18. TOOTH | 29. SUPPORT, ELEVATOR |
| 8. RAIL | 19. BIT, SIDE | 30. TRUCK, FRONT |

FIGURE 1—ELEVATING SCRAPER



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|---------------------|-------------------|--------------------------|
| 1. FRAME, DRAFT | 7. CYLINDER | 13. FAIRLEAD |
| 2. HOUSING, KINGPIN | 8. LEVER, EJECTOR | 14. SHEAVE |
| 3. GOOSENECK | 9. CUTTING EDGE | 15. APRON |
| 4. ARM, DRAFT | 10. BFT. SIDE | 16. LINK, APRON OR BOWL |
| 5. BOWL | 11. TRUCK, FRONT | 17. LEVER, APRON OR BOWL |
| 6. EJECTOR | 12. FRAME | 18. PUSH BLOCK |

FIGURE 2—SCRAPER

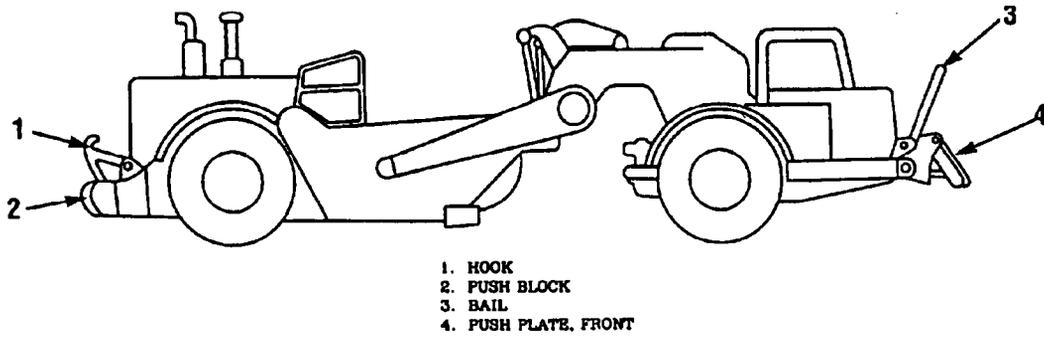


FIGURE 3—PUSH-PULL TRACTOR-SCRAPER

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