

## SECTION A — HUMAN NECESSITIES

### A01 AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING

**A01F** **THRESHING** (combines A01D 41/00); **BALING OF STRAW, HAY OR THE LIKE; STATIONARY APPARATUS OR HAND TOOLS FOR FORMING OR BINDING STRAW, HAY OR THE LIKE INTO BUNDLES; CUTTING OF STRAW, HAY OR THE LIKE; STORING AGRICULTURAL OR HORTICULTURAL PRODUCE** (arrangements for making or setting stacks in connection with harvesting A01D 85/00)

#### Subclass index

##### THRESHING

Functional types of apparatus.....	5/00, 7/00
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BALING OF STRAW, HAY OR THE LIKE.....	1/00, 13/00, 15/00
ACCESSORIES FOR THRESHING MACHINES OR BALING PRESSES.....	17/00, 19/00, 21/00
STORING AGRICULTURAL OR HORTICULTURAL PRODUCE.....	25/00
MACHINES OR IMPLEMENTS FOR CUTTING STRAW, HAY OR THE LIKE.....	3/00, 29/00

**1/00** **Stationary apparatus or hand tools for forming or binding straw, hay or the like into bundles** (baling apparatus or presses A01F 13/00, A01F 15/00; mobile binders for use in the field A01D 37/00, A01D 39/00) **[1, 3, 2006.01]**

- 1/02 • Hand-operated tools **[1, 2006.01]**
- 1/04 • Fastening or tying devices **[1, 2006.01]**
- 1/06 • Ties for bundles **[1, 2006.01]**

**3/00** **Hand-operated implements for cutting-up straw, hay or the like** (mechanically-driven straw cutters A01F 29/00) **[1, 2006.01]**

#### Threshing

**5/00** **Hand-operated implements for threshing** **[1, 2006.01]**

**7/00** **Threshing apparatus** **[1, 2006.01]**

- 7/02 • with rotating tools (threshing cylinders or concaves A01F 12/18) **[1, 2006.01]**
- 7/04 • • with axles transverse to the feeding direction **[1, 2006.01]**
- 7/06 • • with axles in line with the feeding direction **[1, 2006.01]**
- 7/70 • with flails **[2010.01]**

**11/00** **Threshing apparatus specially adapted for maize; Threshing apparatus specially adapted for particular crops other than cereals** **[1, 2006.01]**

- 11/02 • for flax **[1, 2006.01]**
- 11/04 • for clover or like seeds, e.g. lucern **[1, 2006.01]**
- 11/06 • for maize, e.g. removing kernels from cobs **[1, 2006.01]**
- 11/08 • for palm fruit, e.g. releasing the fruit from the stalk **[1, 2006.01]**

**12/00** **Parts or details of threshing apparatus** (devices, other than safety devices for feeders, for protecting human beings A01D 75/20, A01F 21/00) **[1, 2006.01]**

- 12/10 • Feeders **[1, 2006.01]**
- 12/12 • • without band-cutters **[1, 2006.01]**
- 12/14 • • with band-cutters **[1, 2006.01]**
- 12/16 • • Safety devices **[1, 2006.01]**
- 12/18 • Threshing devices **[1, 2006.01]**
- 12/20 • • Threshing cylinders with ribs **[1, 2006.01]**
- 12/22 • • Threshing cylinders with teeth **[1, 2006.01]**
- 12/24 • • One-part threshing concaves **[1, 2006.01]**
- 12/26 • • Multi-part threshing concaves **[1, 2006.01]**
- 12/28 • • Devices for adjusting the concaves **[1, 2006.01]**
- 12/30 • Straw separators **[1, 2006.01]**
- 12/32 • • with shaker screens or sieves **[1, 2006.01]**
- 12/34 • • • Sieve elements; Linings for shakers **[1, 2006.01]**
- 12/36 • • • • Sieve elements specially adapted for handling short straw **[1, 2006.01]**
- 12/38 • • with juxtaposed and independently-moved shaker bars or the like **[1, 2006.01]**
- 12/385 • • with endless straw-conveying surface **[5, 2006.01]**
- 12/39 • • with straw carriers in the form of rotors or drums **[5, 2006.01]**
- 12/395 • • Conical or cylindrical straw separators with internal working surface **[5, 2006.01]**
- 12/40 • Arrangements of straw crushers or cutters **[1, 2006.01]**
- 12/42 • Apparatus for removing awns from the grain **[1, 2006.01]**
- 12/44 • Grain cleaners; Grain separators **[1, 2006.01]**
- 12/46 • Mechanical grain conveyors **[1, 2006.01]**
- 12/48 • Air conduits or blowers for grain **[1, 2006.01]**
- 12/50 • Sack-filling devices; Counting or weighing devices **[1, 2006.01]**
- 12/52 • Arrangements for returning unthreshed grain to the threshing device **[1, 2006.01]**

## A01F

- 12/54 • Arrangements for collecting or removing dust [1, 2006.01]
- 12/56 • Driving mechanisms for the threshing parts [1, 2006.01]
- 12/58 • Control devices; Brakes; Bearings [1, 2006.01]
- 12/60 • Grain tanks [1, 2006.01]

### Baling of straw, hay or the like

- 13/00 Hand-operated baling apparatus [1, 2006.01]**
- 15/00 Baling presses for straw, hay or the like [1, 3, 2006.01]**
  - 15/02 • with press-boxes [1, 2006.01]
  - 15/04 • Plunger presses [1, 2006.01]
  - 15/06 • • with double-action plunger [1, 2006.01]
  - 15/07 • Rotobalers, i.e. machines for forming cylindrical bales by winding and pressing [5, 2006.01]
  - 15/08 • Details [1, 2006.01]
  - 15/10 • • Feeding devices for the crop material [1, 3, 2006.01]
  - 15/12 • • Feeding devices for the ties [1, 2006.01]
  - 15/14 • • Tying devices specially adapted for baling presses [1, 2006.01]
  - 15/16 • • Division blocks [1, 2006.01]
  - 15/18 • • Endless belts, rolls, or the like [1, 2006.01]

### Accessories for threshing machines or baling presses

- 17/00 Straw conveyors for threshing machines or baling presses [1, 2006.01]**
  - 17/02 • Mechanical conveyors [1, 2006.01]
  - 17/04 • Pneumatic conveyors [1, 2006.01]
- 19/00 Devices for securing threshing machines or baling presses to the ground, e.g. for compensating for unevenness of the ground [1, 2006.01]**
- 21/00 Devices for protecting human beings for threshing machines or baling presses (in combines A01D 75/20; for feeders for threshing apparatus A01F 12/16) [1, 2006.01]**

- 25/00 Storing agricultural or horticultural produce; Hanging-up harvested fruit (maturing fruit A23N 15/06; arrangements in barns for preparatory treatment of tobacco A24B 1/02; packing or storing hops C12C 3/04) [1, 3, 2006.01]**
  - 25/02 • Clamps; Pits [1, 2006.01]
  - 25/04 • Stacks, ricks, or the like [1, 2006.01]
  - 25/08 • • Ventilating means [1, 2006.01]
  - 25/10 • • Shelters [1, 2006.01]
  - 25/12 • Racks for drying purposes [1, 2006.01]
  - 25/13 • Coverings (A01F 25/14 takes precedence) [3, 2006.01]
  - 25/14 • Containers specially adapted for storing [1, 3, 2006.01]
  - 25/16 • Arrangements in forage silos [1, 2006.01]
  - 25/18 • • Loading or distributing arrangements [2, 2006.01]
  - 25/20 • • Unloading arrangements [2, 2006.01]
  - 25/22 • • Ventilating arrangements [2, 2006.01]
- 29/00 Cutting apparatus specially adapted for cutting hay, straw or the like (mowers combined with means for cutting up the mown crop A01D 43/08) [1, 3, 2006.01]**
  - 29/01 • specially adapted for being mounted on or drawn by a tractor, e.g. field choppers [7, 2006.01]
  - 29/02 • having rotating knives with their cutting edges in a plane perpendicular to their rotational axis [3, 2006.01]
  - 29/04 • • with feeding direction transverse to axis [3, 2006.01]
  - 29/06 • having rotating knives with their cutting edges on a cylinder surface, e.g. of the helical-type [3, 2006.01]
  - 29/08 • having reciprocating knives [3, 2006.01]
  - 29/09 • Details [2010.01]
  - 29/10 • • Feeding devices [3, 2006.01]
  - 29/12 • • Discharge means (loaders for hay or like field crop having blowers A01D 87/10) [3, 2006.01]
  - 29/14 • • Drives [3, 2006.01]
  - 29/16 • • Safety devices, e.g. emergency brake arrangements [3, 2006.01]
  - 29/18 • • • for protecting human beings [3, 2006.01]
  - 29/22 • • Arrangement of knife sharpening devices [3, 2006.01]