

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
Special applications.....	11/00
Details.....	12/00
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) [3]	12/12	• • without band-cutters
	12/14	• • with band-cutters
	12/16	• • Safety devices
	12/18	• Threshing devices
	12/20	• • Threshing cylinders with ribs
	12/22	• • Threshing cylinders with teeth
	12/24	• • One-part threshing concaves
	12/26	• • Multi-part threshing concaves
	12/28	• • Devices for adjusting the concaves
	12/30	• Straw separators
	12/32	• • with shaker screens or sieves
	12/34	• • • Sieve elements; Linings for shakers
	12/36	• • • Sieve elements specially adapted for handling short straw
	12/38	• • with juxtaposed and independently-moved shaker bars or the like
	12/385	• • with endless straw-conveying surface [5]
	12/39	• • with straw carriers in the form of rotors or drums [5]
	12/395	• • Conical or cylindrical straw separators with internal working surface [5]
	12/40	• Arrangements of straw crushers or cutters
	12/42	• Apparatus for removing awns from the grain
	12/44	• Grain cleaners; Grain separators
	12/46	• Mechanical grain conveyers
	12/48	• Air conduits or blowers for grain
	12/50	• Sack-filling devices; Counting or weighing devices
	12/52	• Arrangements for returning unthreshed grain to the threshing device
	12/54	• Arrangements for collecting or removing dust
	12/56	• Driving mechanisms for the threshing parts
	12/58	• Control devices; Brakes; Bearings
	12/60	• Grain tanks
1/02 • Hand-operated tools		
1/04 • Fastening or tying devices		
1/06 • Ties for bundles		
3/00 Hand-operated implements for cutting-up straw, hay or the like (mechanically-driven straw cutters A01F 29/00)		
Threshing		
5/00 Hand-operated implements for threshing		
7/00 Threshing apparatus		
7/02 • with rotating tools (threshing cylinders or concaves A01F 12/18)		
7/04 • • with axles transverse to the feeding direction		
7/06 • • with axles in line with the feeding direction		
7/70 • with flails [2010.01]		
11/00 Threshing apparatus specially adapted for maize; Threshing apparatus specially adapted for particular crops other than cereals		
11/02 • for flax		
11/04 • for clover or like seeds, e.g. lucern		
11/06 • for maize, e.g. removing kernels from cobs		
11/08 • for palm fruit, e.g. releasing the fruit from the stalk		
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)		
12/10 • Feeders		

Baling of straw, hay or the like

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

Accessories for threshing machines or baling presses

- 17/00 Straw conveyers for threshing machines or baling presses**
- 17/02 • Mechanical conveyers
 - 17/04 • Pneumatic conveyers
- 19/00 Devices for securing threshing machines or baling presses to the ground, e.g. for compensating for unevenness of the ground**
- 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)
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- 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) [3]
- 25/02 • Clamps; Pits
 - 25/04 • Stacks, ricks, or the like
 - 25/08 • • Ventilating means
 - 25/10 • • Shelters
 - 25/12 • Racks for drying purposes
 - 25/13 • Coverings (A01F 25/14 takes precedence) [3]
 - 25/14 • Containers specially adapted for storing [3]
 - 25/16 • Arrangements in forage silos
 - 25/18 • • Loading or distributing arrangements [2]
 - 25/20 • • Unloading arrangements [2]
 - 25/22 • • Ventilating arrangements [2]
- 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) [3]
- 29/01 • specially adapted for being mounted on or drawn by a tractor, e.g. field choppers [7]
 - 29/02 • having rotating knives with their cutting edges in a plane perpendicular to their rotational axis [3]
 - 29/04 • • with feeding direction transverse to axis [3]
 - 29/06 • having rotating knives with their cutting edges on a cylinder surface, e.g. of the helical-type [3]
 - 29/08 • having reciprocating knives [3]
 - 29/09 • Details [2010.01]
 - 29/10 • • Feeding devices [3]
 - 29/12 • • Discharge means (loaders for hay or like field crop having blowers A01D 87/10) [3]
 - 29/14 • • Drives [3]
 - 29/16 • • Safety devices, e.g. emergency brake arrangements [3]
 - 29/18 • • • for protecting human beings [3]
 - 29/22 • • Arrangement of knife sharpening devices [3]