

INDUSTRIES DEPENDENT ON WOOD.

The annual consumption of wood by mechanical industry reaches an amount that will astonish anyone who has not given his attention to this subject, and as a verification of this, the last census of 1881 enumerates thirty-four industries or occupations which depend in whole or in part upon wood or timber as their raw material for manufacture or commerce, comprising a total number of 17,577 establishments, employing 95,741 hands, and turning out manufactured articles valued at \$95,029,828. The following table of these industries and accompanying details will show at a glance the enormity of this branch of industry :—

TIMBER INDUSTRIES.	Factories.	Hands.	Value of Products.
Agricultural implements.....	234	3,656	\$ 4,405,397
Cabinet and furniture makers.....	1,169	6,957	5,471,742
Carpenters and joiners.....	2,494	5,702	3,893,910
Carriage-makers.....	3,143	8,703	6,579,082
Cooperages.....	1,430	3,277	1,808,929
Saw mills.....	5,390	42,085	38,569,652
Shingle factories.....	801	2,389	766,998
Tanneries.....	1,012	5,491	15,144,535
Boat building.....	216	421	173,837
Broom and brush factories.....	91	957	762,884
Pot and pearl usheries.....	225	467	345,066
Pump factories.....	237	470	377,975
Sash, door and blind factories.....	356	2,878	4,872,362
Shipyards.....	227	4,454	3,557,258
Basket making.....	68	227	55,651
Charcoal burning.....	32	83	70,030
Spinning wheel factories.....	22	41	24,912
Wood turning establishments.....	80	604	431,797
Carving and gilding establishments.....	82	500	516,675
Match factories.....	22	1,062	511,250
Trunk and box factories.....	49	626	677,877
Bark extract factories.....	4	140	286,250
Billiard table factories.....	3	20	44,827
Car and locomotive works.....	17	3,154	3,956,361
Fishing tackle factories.....	2	6	7,050
Last factories.....	11	118	77,900
Pail and tub factories.....	20	151	120,935
Picture frame factories.....	1	2	5,000
Planing mills.....	66	633	992,201
Shook factories.....	35	80	228,785
Stave factories.....	31	265	168,520
Tree nail factories.....	1	2	1,400
Window shade factories.....	11	53	59,450
Pulp Mills.....	5	68	63,300
	17,577	95,741	\$95,029,828

In addition to the foregoing there are numerous other branches of trade that could not be carried on without the aid of wood, which, although it does not form part of their productions, is yet essential to their manufacture or development: such, for instance, as lime burners, brick makers, &c. Railroads are enormous consumers of wood. In building a new road the estimate is that 2,700 ties are required for the mile, and 300 ties are annually wanted to keep the mile in repair. When it is borne in mind that these ties are, for the most part, taken from sound hemlock, oak, larch or cedar trees, selected of a size just sufficient to furnish one or two ties only (the tree being simply hewn on two sides, and leaving the heart entire), the destruction of choice timber approaching a size suitable for sawing is immense. The timber also