

Appendix D 1. KEYS AND SLEEPERS.

AMERICA.							INDIA.	AUSTRALIA.
QUESTIONS.	CHESAPEAKE AND OHIO.	CHICAGO, BURLINGTON, AND QUINCY.	ILLINOIS CENTRAL.	LAKE SHORE AND MICHIGAN SOUTHERN.	NEW YORK CENTRAL AND HUDSON RIVER.	PENNSYLVANIA.	EAST INDIAN.	NEW SOUTH WALES GOVERNMENT RYS.
KEYS.								
What Wood is used?	None used.	None used.	None used.	None used.	None used.	None used.	Teak.	Teak and Cedar.
Is it compressed?							No	Yes
Particulars of Metal Keys, if used								
Are Rails Keyed on inside or outside?							Outside.	Outside.
SLEEPERS—WOOD.								
What kind of Wood is used?	White Oak generally, also Chestnut, Oak, Locust, Walnut.	Oak.	White Oak and Cypress.	White and Burr Oak.	Oaks, Yellow Pine, Chestnut, Yellow Cedar, Hemlock, and Tamarack.	White Oak.	Sal and Deodar.	Iron Bark.
Are Sleepers creosoted, or treated with other antiseptic?	No	No	No.	No.	No.	No.	No	No
Dimensions—								
Length	8 feet 6 inches.	8 feet.	8 feet and 9 feet.	8 feet 6 inches.	8 feet.	8 feet 6 inches.	9 feet 6 inches.	9 feet.
Breadth	9 inches.	8 inches.	8 inches and upwards.	8 inches.	9 inches average.	7 inches and upwards.	10 inches.	10 inches.
Thickness	7 inches.	6 inches.	6 inches and 7 inches.	7 inches.	6 inches.	7 inches.	5 inches.	5 inches.
Are they placed in the road heart side or waney side upwards?	Waney side upwards.	Waney side upwards.	Waney side upwards.	Our Ties are hewn on two sides only.	Heart side upwards.		Waney side upwards. If laid heart side upwards they split more, and water gets in and rots them.	Waney side upwards.

Appendix D 1. KEYS AND

AMERICA.

QUESTIONS.	CHESAPEAKE AND OHIO.	CHICAGO, BURLINGTON, AND QUINCY.	ILLINOIS CENTRAL.	LAKE SHORE AND MICHIGAN SOUTHERN.
KEYS.				
What Wood is used?	None used.	None used.	None used.	None used.
Is it compressed?				
Particulars of Metal Keys, if used				
Are Rails Keyed on inside or outside?				
SLEEPERS—WOOD.				
What kind of Wood is used?	White Oak generally, also Chestnut, Oak, Locust, Walnut.	Oak.	White Oak and Cypress.	White and Burr Oak.
Are Sleepers creosoted, or treated with other antiseptic?..	No	No	No.	No.
Dimensions—				
Length	8 feet 6 inches.	8 feet.	8 feet and 9 feet.	8 feet 6 inches.
Breadth	9 inches.	8 inches.	8 inches and upwards.	8 inches.
Thickness	7 inches.	6 inches.	6 inches and 7 inches.	7 inches.
Are they placed in the road heart side or waney side upwards?	Waney side upwards.	Waney side upwards.	Waney side upwards.	Our Ties are hewn on two sides only.

WAYS AND SLEEPERS.

AMERICA.				INDIA.	AUSTRALIA.
CENTRAL.	LAKE SHORE AND MICHIGAN SOUTHERN.	NEW YORK CENTRAL AND HUDSON RIVER.	PENNSYLVANIA.	EAST INDIAN.	NEW SOUTH WALES GOVERNMENT RYS.
None used.	None used.	None used.	None used.	Teak.	Teak and Cedar.
				No	Yes
					
				Outside.	Outside.
and Cypress.	White and Burr Oak.	Oaks, Yellow Pine, Chestnut, Yellow Cedar, Hemlock, and Tamarack.	White Oak.	Sal and Deodar.	Iron Bark.
No.	No.	No.	No.	No	No
and 9 feet.	8 feet 6 inches.	8 feet.	8 feet 6 inches.	9 feet 6 inches.	9 feet.
and upwards.	8 inches.	9 inches average.	7 inches and upwards.	10 inches.	10 inches.
and 7 inches.	7 inches.	6 inches.	7 inches.	5 inches.	5 inches.
side upwards.	Our Ties are hewn on two sides only.	Heart side upwards.		Waney side upwards. If laid heart side upwards they split more, and water gets in and rots them.	Waney side upwards.