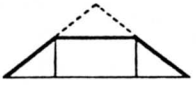
KING POST

(WOOD)

A TRADITIONAL TRUSS TYPE WITH ITS ORIGINS IN THE MIDDLE AGES.

LENGTH: 20-60 FEET
6-18 METERS

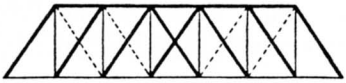


QUEEN POST

(WOOD)

A LENGTHENED VERSION OF THE KING POST.

LENGTH: 20-80 FEET
6-24 METERS



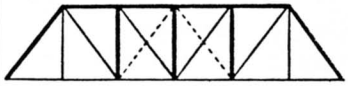
HOWE

1840 - 20TH CENTURY

(WOOD, VERTICALS OF METAL)

DIAGONALS IN COMPRESSION, VERTICALS IN TENSION.

LENGTH: 30-150 FEET
9-45 METERS

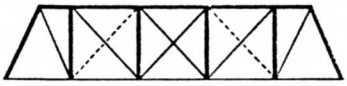


PRATT

1844 - 20TH CENTURY

DIAGONALS IN TENSION, VERTICALS IN COMPRESSION, (EXCEPT FOR HIP VERTICALS ADJACENT TO INCLINED END POSTS)

LENGTH: 30-250 FEET
9-75 METERS



PRATT HALF-HIP

LATE 19TH-EARLY 20TH CENTURY

A PRATT WITH INCLINED END POSTS THAT DO NOT HORIZONTALLY EXTEND THE LENGTH OF A FULL PANEL.

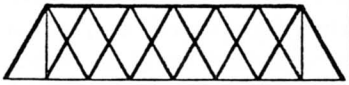
LENGTH: 30-150 FEET
9-45 METERS

WARREN

WITH VERTICALS
MID 19TH-20TH CENTURY

DIAGONALS CARRY BOTH COMPRESSIVE AND TENSILE FORCES. VERTICALS SERVE AS BRACING FOR TRIANGULAR WEB SYSTEM.

LENGTH: 50-400 FEET
15-120 METERS



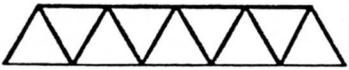
DOUBLE INTERSECTION WARREN

(LATTICE)

MID 19TH-20TH CENTURY

STRUCTURE IS INDETERMINATE. MEMBERS ACT IN BOTH COMPRESSION AND TENSION. TWO TRIANGULAR WEB SYSTEMS ARE SUPERIMPOSED UPON EACH OTHER WITH OR WITHOUT VERTICALS.

LENGTH: 75-400 FEET
23-120 METERS

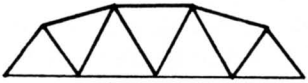


WARREN

1848 - 20TH CENTURY

TRIANGULAR IN OUTLINE. THE DIAGONALS CARRY BOTH COMPRESSIVE AND TENSILE FORCES. A "TRUE WARREN TRUSS" HAS EQUILATERAL TRIANGLES.

LENGTH: 50-400 FEET
15-120 METERS



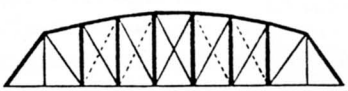
WARREN

WITH A POLYGONAL TOP CHORD

LATE 19TH-20TH CENTURY

DIAGONALS CARRY BOTH COMPRESSIVE AND TENSILE FORCES.

LENGTH: 50-400 FEET
15-120 METERS

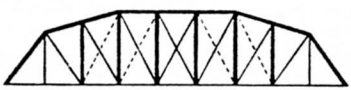


PARKER

MID-LATE 19TH-20TH CENTURY

A PRATT WITH A POLYGONAL TOP CHORD

LENGTH: 40-250 FEET
12-75 METERS

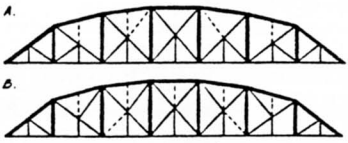


CAMELBACK

LATE 19TH-20TH CENTURY

A PARKER WITH A POLYGONAL TOP CHORD OF EXACTLY FIVE SLOPES.

LENGTH: 100-300 FEET
30-90 METERS



PENNSYLVANIA (PETIT)

1875-EARLY 20TH CENTURY

A. A PARKER WITH SUB-STRUTS.
B. A PARKER WITH SUB-TIES.

LENGTH: 250-600 FEET
75-180 METERS