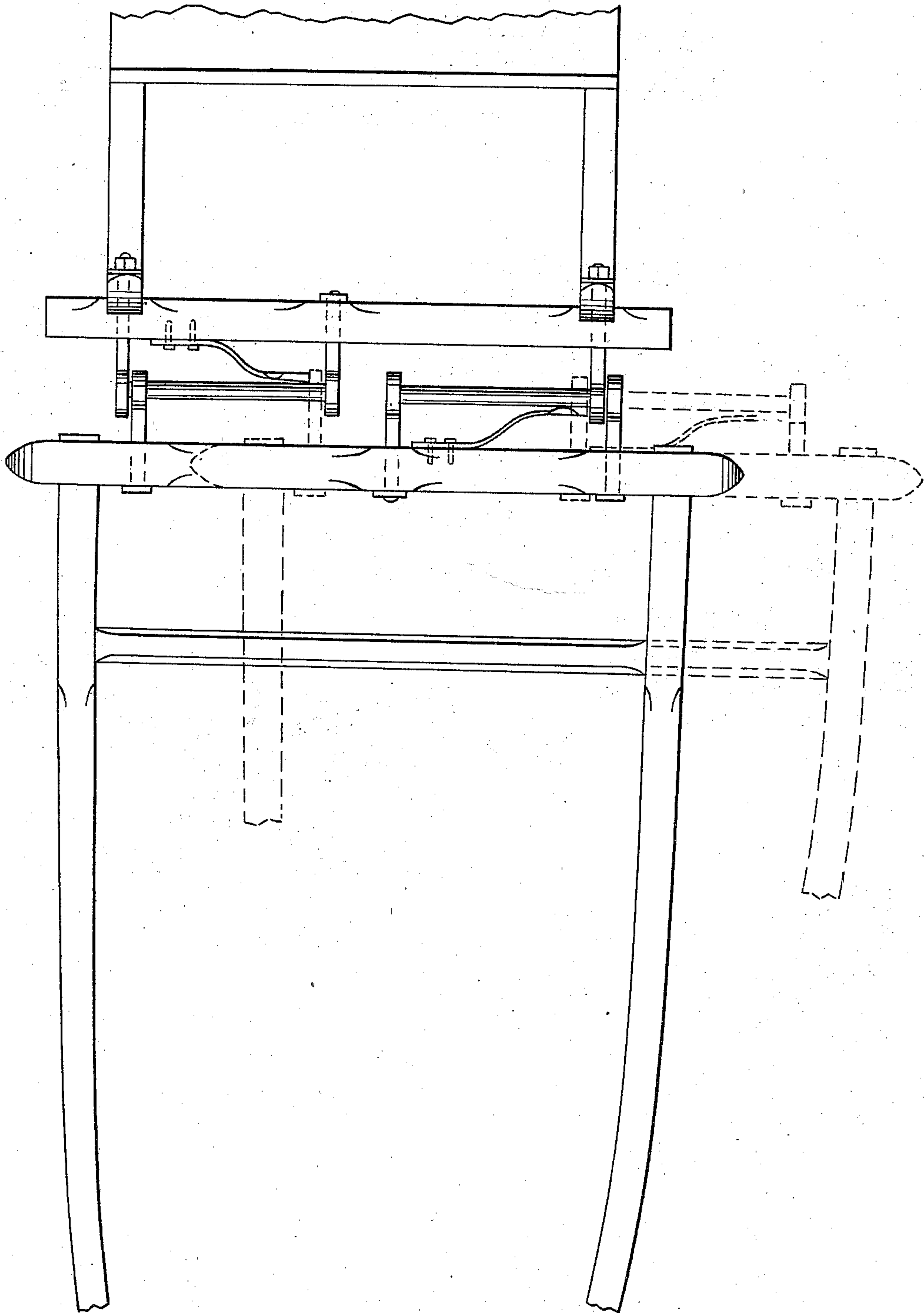


G. KENNY.

Attaching Shafts to Sleighs.

No. 15,737.

Patented Sept. 16, 1856.



UNITED STATES PATENT OFFICE.

GEO. KENNY, OF MILFORD, NEW HAMPSHIRE.

MODE OF ATTACHING SHAFTS TO SLEIGHS.

Specification of Letters Patent No. 15,737, dated September 16, 1856.

To all whom it may concern:

Be it known that I, GEORGE KENNY, of Milford, in the county of Hillsboro and State of New Hampshire, have invented a
5 new and Improved Mode of Attaching
Shafts to Sleighs; and I do hereby declare
that the following is a full, clear, and exact
description of the same, reference being had
to the annexed drawing, making a part of
10 this specification, said drawing being a plan
or top view of my improvement.

My invention consists in having an eye
attached to the cross piece of the shafts,
and an eye attached to a cross piece at the
15 front ends of the runners, said eye being
fitted and working on rods attached one to
the cross piece of the shafts, and the other
to the cross piece of the runners, so that the
shafts may slide on the rods and be adjusted
20 either directly in front of the runners or
at one side of them, the shafts being secured
at the desired points by means of springs
arranged as will be presently shown and de-
scribed.

25 To enable those skilled in the art to fully
understand and construct my invention, I
will proceed to describe it.

A, A, represent the front ends of the two
runners of a sleigh and B, is a cross piece
30 attached thereto.

C, C, represent the shafts and D, is the
cross piece attached to their inner ends.

To one end of the cross piece D, of the
shafts a metal eye E, is attached and a simi-
35 lar eye F, is attached to the cross piece B
of the runners A, A. The two eyes being at
opposite ends of the cross pieces. To the
cross piece D, of the shafts and at the end
opposite to that where the eye E, is attached
40 there is secured two arms (a), (a), having
a rod G, fitted between their outer ends, and
on this rod the eye F, is fitted and allowed
to slide freely thereon. To the cross piece

B, of the runners and at the end opposite to
that where the eye E, is attached there 45
is secured a rod H, precisely similar to
the rod G, on the cross piece D. The eye
E, is fitted and works on the rod H. Be-
tween the arms of each rod G, H, a spring I,
is placed, said springs being attached to 50
their respective cross pieces and their outer
ends bearing against the rods G, H, as
plainly shown in the drawing.

When the shafts are directly before the
runners as shown in black the eye F, on the 55
cross piece of the runners is between the
end of the spring I, attached to the cross
piece D, of the shafts and the outer arm of
the rod G, said spring holding or retaining
the shafts in proper place. By raising said 60
spring by hand the shafts may be moved at
one side or out of line with the runners, as
shown in red, the shafts being retained in
the latter position of the spring on the cross
piece B, of the runners. 65

It will be seen that by this invention the
shafts C, may be readily shifted in either of
the two positions described, and the sleigh
made to answer either for country roads
70 where two tracks are generally made or for
cities and other places where the road is
smooth or even throughout.

Having thus described my invention what
I claim as new and desire to secure by Let-
ters Patent is, 75

Attaching the shafts C, C, to the runners
of the sleigh by means of the eyes F, F,
and rods G, H, said eyes and rods being
attached to the cross pieces B, D, provided
with springs I, I, the whole being arranged 80
as shown for the purpose set forth.

GEO. KENNY.

Witnesses:

B. WAEDLEIGH,
E. N. HIDDEN,
J. B. HUTCHINSON.