

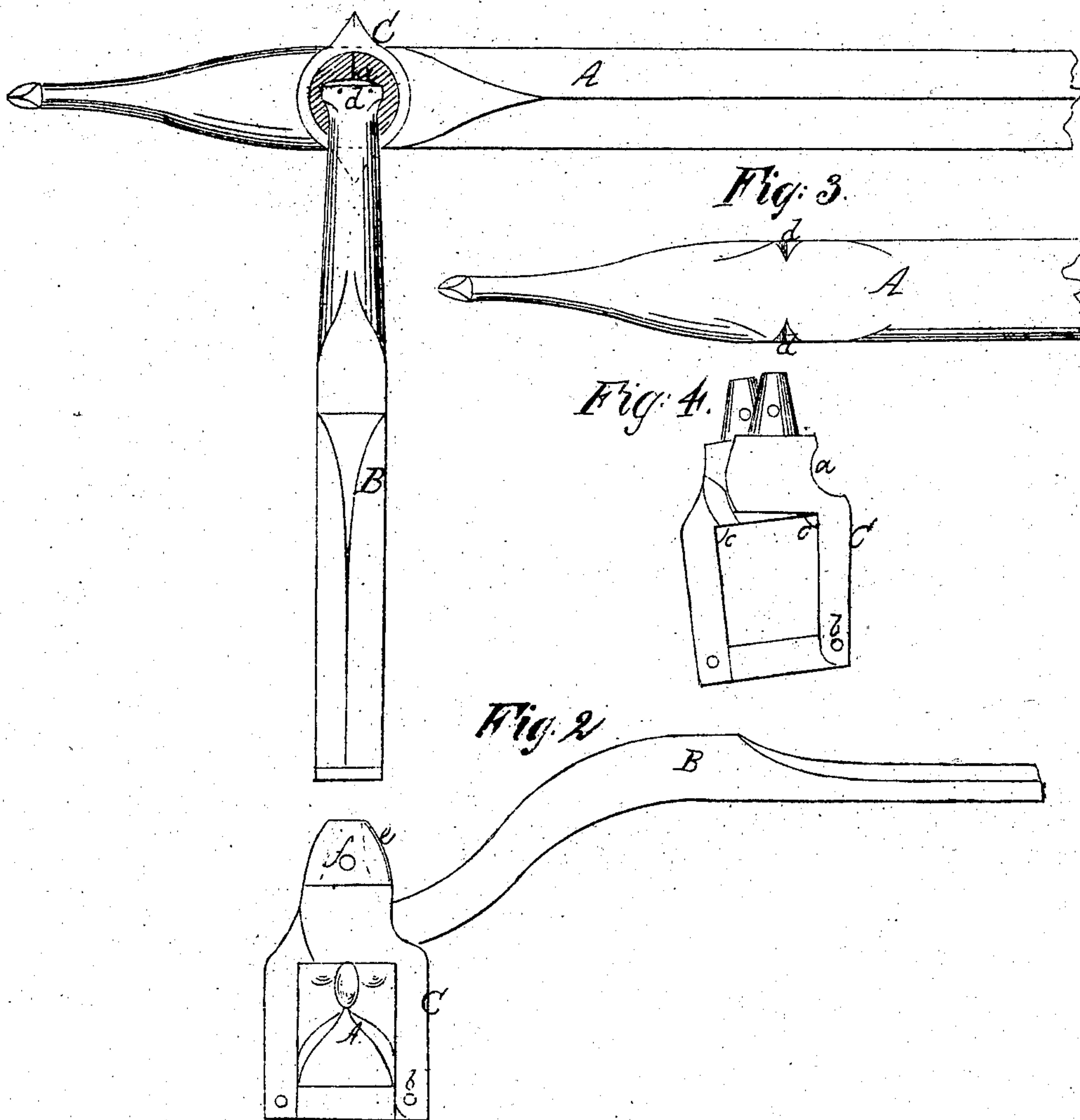
74689

PATENTED

FEB 18 1868

Edgar Hill's *Impⁿ Carriages.*

Fig: 1.



Witnesses:
John C. Pollen
Kearney & Co

Inventor:
Edgar Hill
Per
Nas Sartorius & Haas
Attys

United States Patent Office.

EDGAR HITT, OF KATONAH, NEW YORK.

Letters Patent No. 74,689, dated February 18, 1868.

IMPROVEMENT IN CARRIAGES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, EDGAR HITT, of Katonah, in the county of Westchester, in the State of New York, have invented a new and useful Improvement in Carriages; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which drawing—

Figure 1 represents a horizontal section of this invention.

Figure 2 is an end view of the same.

Figure 3 is a detached elevation of the clamp.

Similar letters indicate corresponding parts.

This invention consists in a clamp, which is fastened to the spring-bar of a carriage, and provided with a socket to receive the end of the body-loop in such a manner that the full strength of the spring-bar is preserved, and a firm, durable, and convenient fastening for the body-loop is obtained. The clamp is made of two parts, which are connected by a hinge-joint, so that the same can be readily attached to or detached from the spring-bar, and each part is provided with a lip or projection to catch in a notch in the edge of the spring-bar, so that the clamp is firmly retained in position. The end of the body-loop is provided with a square head, and the socket in the clamp is enlarged, so as to admit said head and prevent the body-loop from turning. A conical cap serves to fasten the loose ends of the clamp together.

A represents the spring-bar of a carriage or wagon, and B is the body-loop, or that bar which forms the support for the body of the carriage or wagon. The connection between the body-loop and the spring-bar is effected by a clamp, C, which is composed of two parts, and provided with a socket, *a*, to receive the end of the body-loop. The two parts of the clamp are hinged together by a pivot, *b*, so that the same can be opened and attached to the spring-bar with ease and facility. Each part of the clamp is provided, on its inner surface, with a lip or projection, *c*, to catch into a notch, *d*, on the spring-bar, so that the clamp, when locked, will be firmly retained in position. The end of the body-loop is provided with a square head, *d*, and the inner portion of the socket *a* is enlarged to receive said head, and thereby the body-loop is firmly retained in position and prevented from turning round. The loose ends of the two parts of the clamp are made conical, and they are locked together by a conical cap, *e*, which is retained in position either by a transverse locking-pin, *f*, or by a screw-thread, or by any other suitable means. By these means a fastening for the body-loop is obtained which preserves the full strength of the spring-bar, which is readily attached or detached, and which retains the body-loop firmly and securely in position.

What I claim as new, and desire to secure by Letters Patent, is—

1. The clamp C, provided with a socket, *a*, in combination with the spring-bar A and body-loop B, substantially as and for the purpose set forth.
2. The square head *d*, at the end of the body-loop, to fit into a corresponding socket in the clamp C, substantially as and for the purpose described.
3. The projections or lips *c*, on the inner surfaces of the clamp, to fit into notches *d* on the spring-bar A, substantially as and for the purpose set forth.

Witnesses:

M. B. SILKMAN,
DENNIS KELLEHER.

EDGAR HITT.