(No Model.)

C. S. RATHBUN & S. F. SELBY.

CARRIAGE BOW SOCKET.

No. 283,022. Patented Aug. 14, 1883.

Fig. 1.

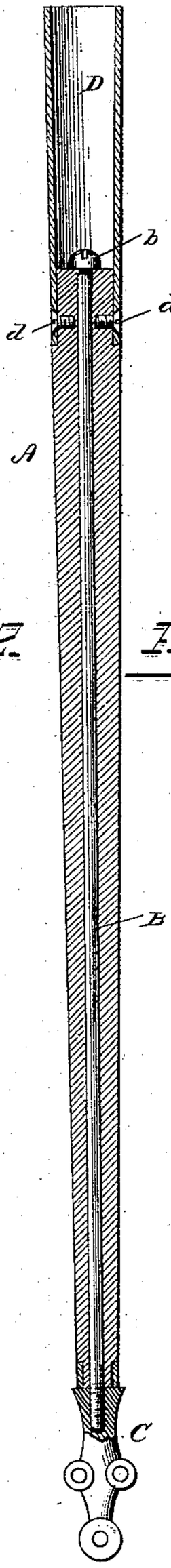

Fig. 2.

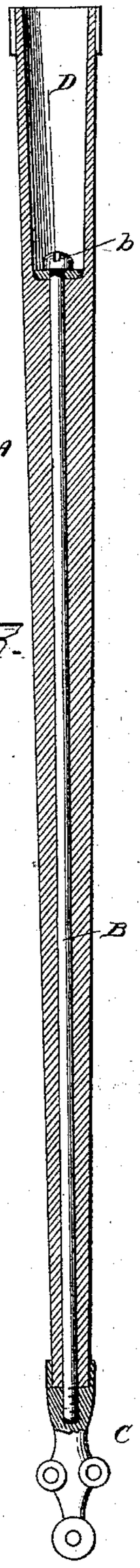

Fig. 3.

WITNESSES
F. L. Ourand
A. G. Heylmun.

INVENTORS.
Chas. S. Rathbun
Stephen F. Selby.
by Geo. W. Tibbetts
Attorney. H.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

CHARLES S. RATHBUN AND STEPHEN F. SELBY, OF CLEVELAND, OHIO.

CARRIAGE-BOW SOCKET.

SPECIFICATION forming part of Letters Patent No. 283,022, dated August 14, 1883.

Application filed March 10, 1883. (No model.)

To all whom it may concern:

Be it known that we, CHARLES S. RATHBUN and STEPHEN F. SELBY, both of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Carriage-Bow Socket, of which the following is a specification.

In the accompanying drawings, Figure 1 is a side elevation. Fig. 2 is a longitudinal section, showing a wooden filling. Fig. 3 is a longitudinal section, showing a filling having a socket made of same material and in one piece, all composed of paper or compressed fibrous material.

A, Fig. 2, represents a wooden filling composed of one piece, having a central longitudinal opening throughout its entire length, and having its outside surface made tapering from end to end and oval in cross-section. This form may vary as taste may dictate. In Fig. 3 the said filling A is represented as having a socket, D, as part of the same. This we construct of paper-pulp or a fibrous material capable of being compressed into form with suitable dies upon a central rod provided with a core for forming the socket.

C is a slat-iron, provided with an internal screw-thread for securing it to the central rod, B, consisting of a long bolt having a head, *b*. This bolt serves to unite and bind the filling A to the said slat-iron by being put through the filling from the socket end, and, having a screw-thread on lower end, is screwed into the said slat-iron. This bolt also serves to strengthen as well as securely bind the parts together.

In Fig. 2 a metal socket, D, is attached to upper end of filling A by means of screws *d*, for attaching the same to the top bow. Metal ferrules are placed on the lower ends of the filling and on the top end of the socket for protection.

These bow-sockets may be covered with leather in the usual manner, or may be coated with japan or suitable material to give the outside a finished and neat appearance.

Having described our invention, we claim—

1. The filling A, having central opening throughout its length, the central rod, B, the slat-iron C, and the socket D, in combination, substantially as specified.

2. In combination with a slat-iron provided with a central screw-eye, a bow-slat cored out its entire length, and a screw-rod extending through the core of the bow-slat and into the screw-eye of the slat-iron, substantially as described.

3. A bow-slat having its center cored out its entire length, in combination with a screw-rod extending entirely through the bow-slat and adapted to be secured in the slat-iron, substantially as described.

CHARLES S. RATHBUN.
STEPHEN F. SELBY.

Witnesses:
GEO. W. TIBBITTS,
M. G. NORTON.