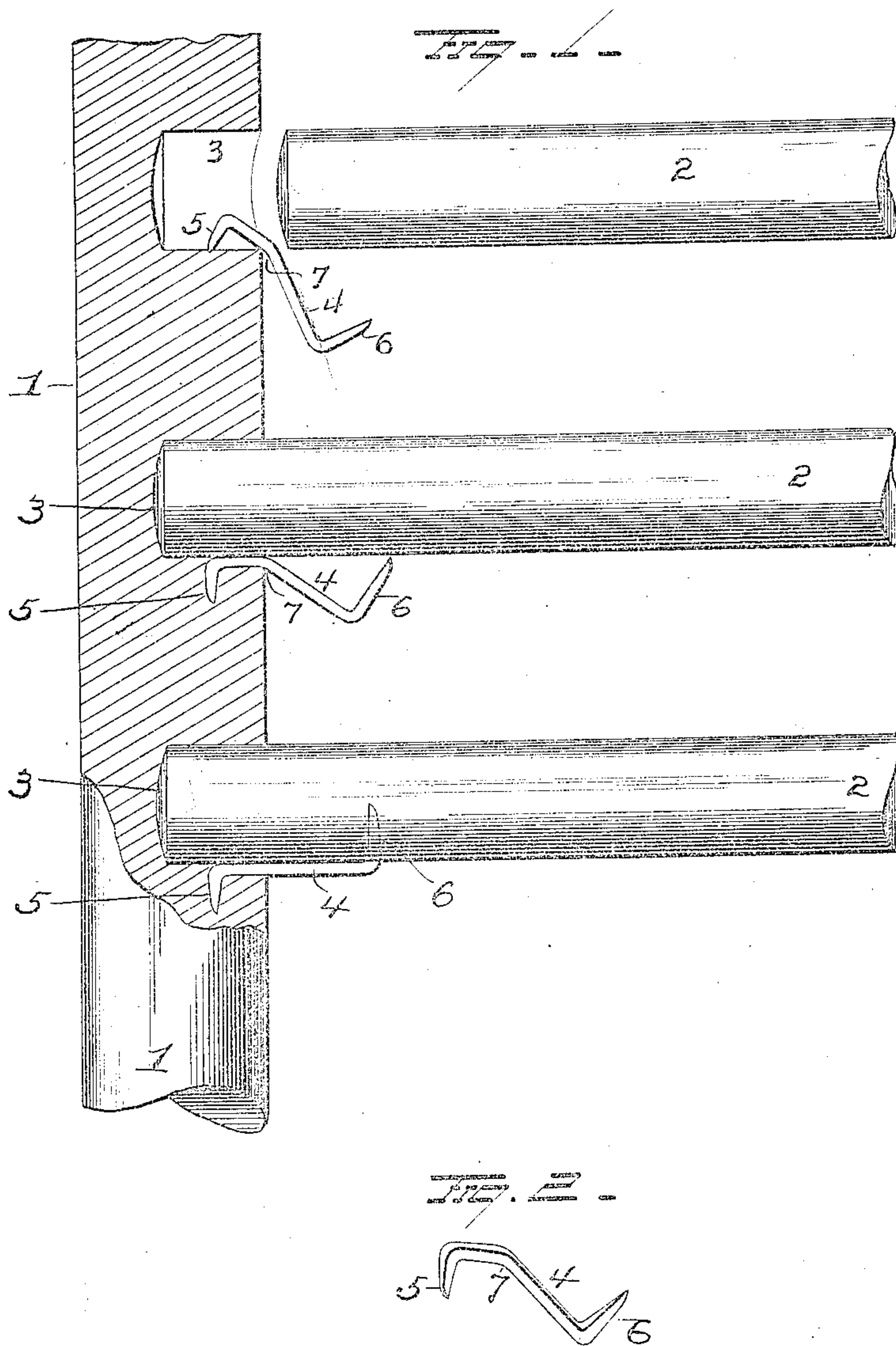


No. 845,156.

PATENTED FEB. 26, 1907

F. F. WINCHESTER.
STAPLE OR FASTENER.
APPLICATION FILED AUG. 18, 1906.



WITNESSES

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FRED F. WINCHESTER, OF ST. PAUL, MINNESOTA.

STAPLE OR FASTENER.

No. 845,156.

Specification of Letters Patent.

Patented Feb. 26, 1907.

Application filed August 18, 1906. Serial No. 331,217.

To all whom it may concern:

Be it known that I, FRED F. WINCHESTER, a resident of St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Staples or Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improved staple or fastener, the object of the invention being to provide an improved article of manufacture which has a wide range of use and is particularly adapted for securing a tenon in its mortise; and the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of a chair-leg, illustrating the three steps in the method of securing the rounds to the leg with my improved staple or fastener; and Fig. 2 is a perspective view of the staple.

1 represents a chair-leg, and 2 the rounds, the ends of the latter forming tenons to fit in mortises 3 in the leg 1.

4 represents my improved staple or fastener, which is shown of wire, but may be made of other metal form as may be desired. The staple 4 is provided at its respective ends with oppositely-projecting prongs 5 and 6, and at a point between its ends, preferably nearer the prong 5, the staple is bent at an obtuse angle, as shown at 7, for a purpose apparent by reference to the second round in Fig. 1.

The operation of my improvements is as follows: The staple is placed in the mortise, as shown in the upper round of Fig. 1, with its prong 5 against the wall of the mortise and its bend 7 at the edge of the mortise. The round is then forced into the mortise, and it will drive the prong 5 down into the leg, as

shown at the second round in Fig. 1. The bend 7 then positions prong 6 so that it can be readily driven into the round, as shown in the lowest round of Fig. 1, and the round and leg will be permanently secured together.

My improved staple or fastener can be employed to secure the legs in the chair-bottom and, in fact, may be used wherever a tenon is to be secured in a mortise and will permanently secure the parts without disfiguring the structure in the slightest. The staples can be made at a very small cost and are extremely valuable in repair work, as well as in new work, as any one of average intelligence can use them.

A great many slight changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A staple comprising a metal strip with oppositely-projecting prongs at its respective ends, said strip bent at a point approximately the same distance from one end as the length of the prong at that end, the inner side of the bend being on the same side as said last-mentioned prong, and the angle of said bend being such that the point of the other prong stands approximately in line with the portion of the strip adjacent to the first-mentioned prong.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

FRED F. WINCHESTER.

Witnesses:

J. R. CABANNE,
IRA ULFERS.