No. 692,781. Patented Feb. 4, 1902.

C. COLMAN.

MEANS FOR FASTENING WIRES AND STAYS TOGETHER.

(Application filed Sept. 3, 1901.)

(No Model.)

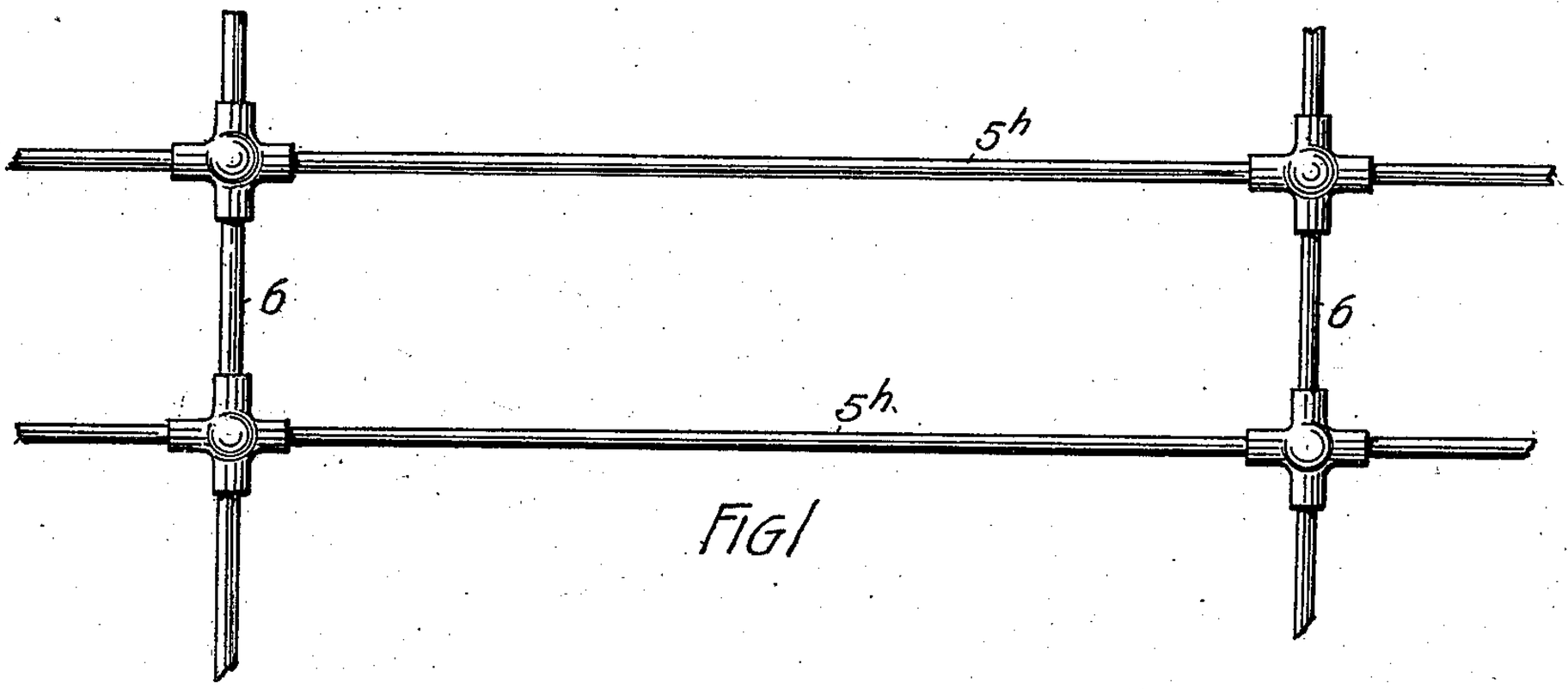

FIG. 1

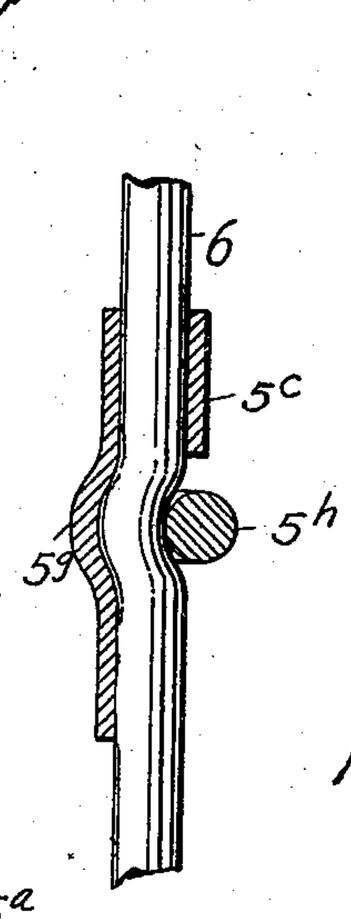

FIG. 3.

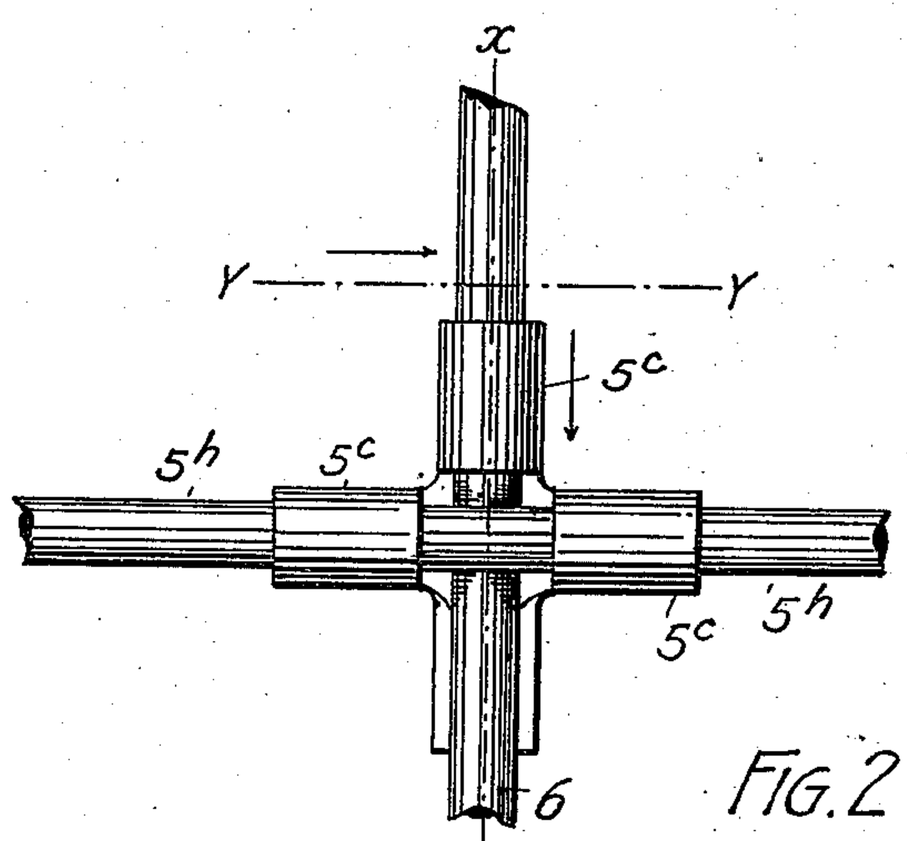

FIG. 2

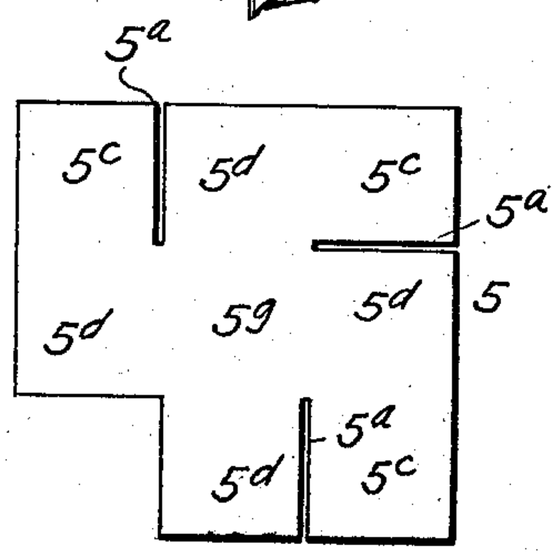

FIG. 5

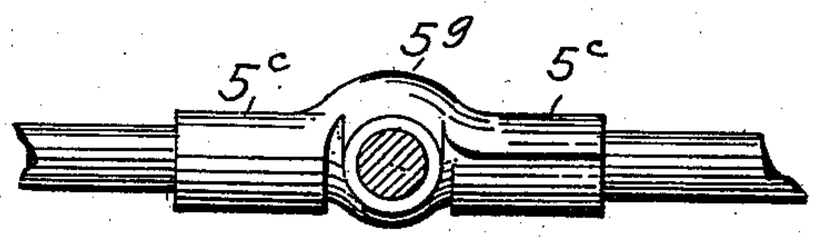

FIG. 4

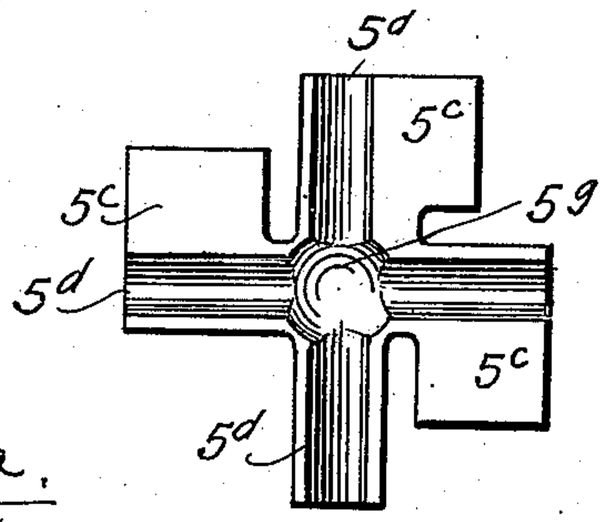

FIG. 6.

WITNESSES:

F. J. Dellander.

Dena Nelson.

INVENTOR.

Chas. Colman

BY

ATTORNEY.

UNITED STATES PATENT OFFICE.

CHARLES COLMAN, OF DENVER, COLORADO, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO M. H. SMITH, GEORGE A. SMITH, AND FRANK CANFIELD, OF DENVER, COLORADO.

MEANS FOR FASTENING WIRES AND STAYS TOGETHER.

SPECIFICATION forming part of Letters Patent No. 692,781, dated February 4, 1902.

Application filed September 3, 1901. Serial No. 74,057. (No model.)

To all whom it may concern:

Be it known that I, CHARLES COLMAN, a citizen of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Means for Fastening Wires and Stays Together; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in means for fastening wires to stays in wire-fence construction, my object being to provide a fastening device which shall be simple in construction, economical in cost, reliable, durable, and efficient in use; and to these ends the invention consists of the features, arrangements, and combinations hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a fragmentary view of the fence in which my improved fastening-clip is employed. Fig. 2 shows the clip applied to a wire and stay, the parts being illustrated on a larger scale. Fig. 3 is a section taken on the line $x\ x$, Fig. 2. Fig. 4 is a section taken on the line $y\ y$, Fig. 2, viewed in the direction of the arrow. Fig. 5 is a detail view of the blank from which the clip is constructed. Fig. 6 is a detail view of the completed clip.

The same reference characters indicate the same parts in all the views.

Let the numeral 5^h designate the wires, and 6 the vertical stays or cross-wires employed in the construction of a fence. My improved fastening-clip is applied to the wire and stay at their intersection. The clip is formed from a blank composed of a square plate cut away at one corner. (See Fig. 5.) This blank, which is designated by the numeral 5, is provided with three slits or cuts 5^a, forming wings 5^c, extending from parts 5^d. These parts 5^d extend outwardly from a central part 5^g. This blank is stamped or otherwise fashioned to form a cavity in the central part 5^g and seats for the wire and stay in the parts 5^d, (see Fig. 6,) the said seats extending radially from the central cavity and of less depth than the latter. When the clip is applied to the wire and stay, the latter are bent outwardly in opposite directions at their intersections, one of them being bent into the central cavity of the clip, so that beyond their intersection the wire and clip occupy the same plane. Immediately beyond the center of the clip the wire and stay occupy the seats 5^d of the clip, and two of the wings 5^c are bent over the wire in opposite directions on opposite sides of the center of the clip, while the other wing 5^c is bent over the stay above the center of the clip. This is accomplished by means of a suitable tool, (not shown,) thus fastening the wire and stay securely together.

Having thus described my invention, what I claim is—

1. A clip for fastening wires and stays together at their intersections, comprising a plate having a central cavity into which the wire or stay is bent, recesses forming seats leading outwardly from said cavity and communicating therewith, the said seats being of less depth than the central cavity, and wings adjacent the seats and arranged to be bent over the wire and stay whereby the two parts are held firmly in place.

2. A clip for fastening wires and stays together at their intersections, comprising a plate having a central cavity, seats leading outwardly from said cavity and of less depth than the latter, and wings adjacent the seats and arranged to be bent over the wire and stay, the wings which engage the wire being bent from opposite directions to give additional strength and security to the fastener.

3. In a wire fence, the combination with the wires and stays of an integral clip having

a central cavity, into which the wire or stay is bent, seats for the wires and stays extending outwardly from the cavity, and of less depth than the latter, two wings located on opposite sides of the cavity and projecting from the wire-seats in opposite directions and adapted to be bent over the wire from opposite sides, and a wing projecting from the stay-seat above the wire and adapted to be bent over the stay.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES COLMAN.

Witnesses:
S. G. PEEP,
FRANK CANFIELD.