

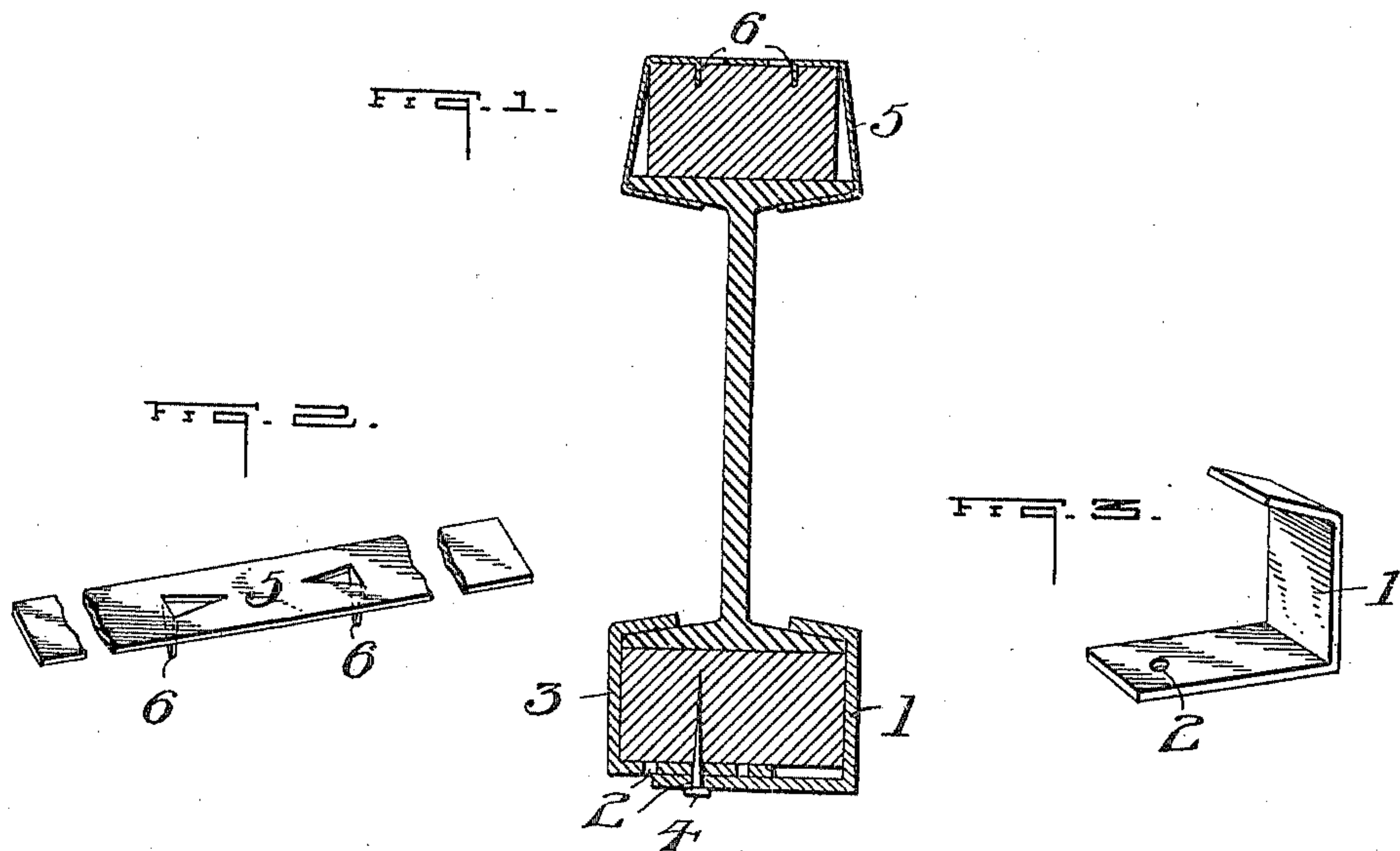
No. 817,432.

PATENTED APR. 10, 1906.

G. F. MARTIN.

WOOD CLIP.

APPLICATION FILED APR. 14, 1905.



Witnesses:  
*J. C. Appelman,*  
*D. L. Davis.*

Inventor  
*G. F. Martin*  
by *John Roland*  
Attorney

# UNITED STATES PATENT OFFICE.

GEORGE F. MARTIN, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO WILLIAM B. CLARK, OF WILKINSBURG, PENNSYLVANIA.

## WOOD-CLIP.

No. 817,432.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed April 14, 1905. Serial No. 255,512.

*To all whom it may concern:*

Be it known that I, GEORGE F. MARTIN, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Wood-Clips, of which the following is a specification.

My invention relates to a new, novel, and useful improvement in clips used in the construction of steel structural buildings, and has for its object a simple, cheap, and practical means of connecting wooden nailing-strips to structural steel shapes.

By means of such a clip as I have illustrated in the accompanying drawings the wood and steel parts of the structure can be securely fastened together without the use of bolts, thus doing away with an expensive feature of steel structural work.

In the drawings forming a part of this specification I have shown several methods and forms of my clip, in which—

Figure 1 is a sectional view of a wooden strip as secured to a steel beam by means of my improved clip. Fig. 2 is a perspective view of one of the clips having punched-out spurs therein. Fig. 3 is a view of another form of clip.

Numerals of reference designate like parts throughout the different views, in which the numeral 1 is a preferred form of clips made of heavy material and shaped for usage before taking to the field. This clip has an opening 2 formed in the longer extension, adapted to

align with one of a series of openings formed in the corresponding part of the opposite clip 3. These two clips 1 and 3 are formed around the wood and I-beam, as shown in Fig. 1, being secured thereto by a spike 4, driven into the wood.

In Fig. 2 is shown another form of clip 5, formed as a straight bar or strap, with a series of spurs punched therein. This form is adapted to be bent, as shown in the different views, for securing the wood to the different forms of steel shapes and is made any desired length for the purpose intended. By bending this clip 5 around the different forms of shapes, as shown in the drawings, and driving the spurs into the wooden nailing-strips the former will be securely held in position, no matter at what angle the steelwork is placed.

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

In combination with a girder and cross-beam, a clip formed in angular overlapping sections to embrace the beam and bind against the girder and means passing through the overlapping portions of the sections and engaging the beam, to hold the clip to the beam.

In testimony whereof I affix my signature, in the presence of two witnesses, this 13th day of April, 1905.

GEORGE F. MARTIN.

Witnesses:

JOHN NOLAND,  
C. L. WILSON.