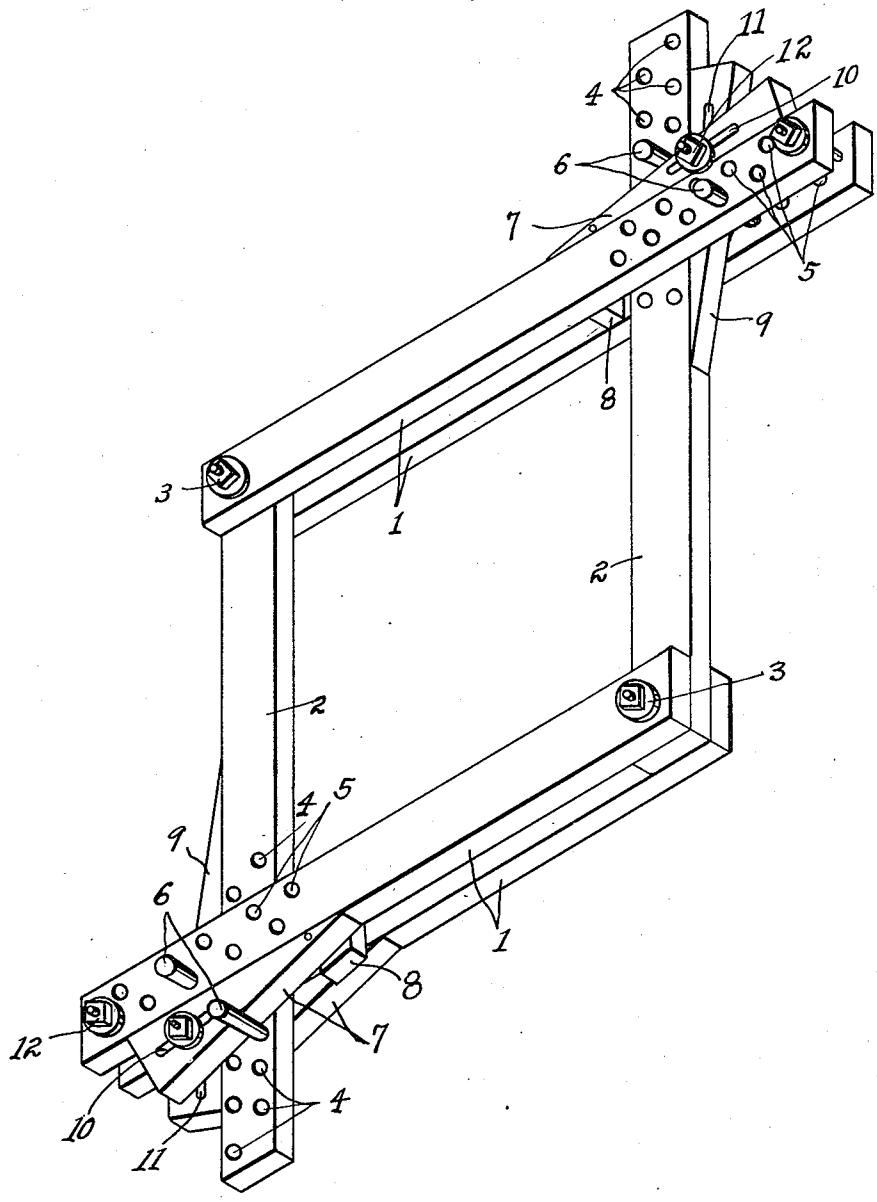
J. J. TRACY.

CLAMP.

APPLICATION FILED JAN. 24, 1914.

1,140,632. Patented May 25, 1915.



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN J. TRACY, OF CHICAGO, ILLINOIS.

CLAMP.

1,140,632. Specification of Letters Patent. Patented May 25, 1915.

Application filed January 24, 1914. Serial No. 814,146.

To all whom it may concern:

Be it known that I, JOHN J. TRACY, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Clamps, of which the following is a specification.

My invention relates to improvements in clamps especially adapted for use in clamping together the parts of a concrete form or mold for use in concrete construction, the object of the invention being to provide an improved clamp of this character which is of simple construction and efficient in operation.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing forming a part of this specification, and which is a perspective view of a clamp embodying my invention.

The preferred form of construction as illustrated in the accompanying drawing comprises a rectangular frame formed of slats, the opposite sides being formed of superposed slats 1 and the remaining sides being formed of single slats 2 positioned between slats 1, said slats being pivotally connected together at opposite corners of said frame by means of pivot bolts 3, as shown. The free ends of the slats 2 and 1 respectively are provided with perforations 4 and 5. The perforations in each pair of slats 1 register with each other, and all of said perforations are designed to receive abutment pins 6, as will be readily understood. A pair of superposed wedge members 7 are arranged to embrace the free end of each of the slats 2 and rest against the outer sides of the corresponding slats 1, each pair of said wedge members 7 being connected together by a positioning block 8 which slides between the corresponding pair of superposed slats 1. A single wedge member 9 is arranged adjacent the outer side of the free end of each of the slats 2 and slides between the corresponding slats 1, as shown. Each pair, of wedges 7 is provided with registering longitudinal slots 10 and the corresponding wedge 9 is provided with a longitudinal slot 11 arranged to pass between the corresponding slots 10 and coöperate therewith to receive a common clamping bolt 12 which thus serves to clamp each set of wedges together.

In use the clamp is arranged about the concrete form and adjusted as snugly as possible with the hand by means of pins 6 and the different wedges 7 and 9. Then the wedges are tapped on the ends with the hammer until the clamp is tightened about the form, when the wedges are clamped in position by means of bolts 12, as will be readily understood. The specific form of construction employed constitutes a simple and effective one for the purpose, and one which may be readily and tightly secured in position.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

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

A clamp comprising a rectangular frame formed of slats, opposite sides consisting of superposed slats and the remaining sides consisting of single slats passing between said superposed slats, said slats being pivoted together at opposite corners and perforated at the remaining corners of said frame; pins in said perforations; two superposed wedges embracing the free end of each single slat and bearing against the corresponding frame side, said wedges being connected together by a block sliding between the corresponding superposed slats; a single wedge for each corner of said frame, said single wedge sliding between the corresponding superposed slats and bearing against the corresponding single slat, all

of said wedges being provided with co-operating slots; and a clamping bolt passed through said slots, and connecting the several wedges at the respective corners, substantially as described.

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

JOHN J. TRACY.

Witnesses:
JOSHUA R. H. POTTS,
HELEN F. LILLIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents Washington, D. C."