G. R. REEVES.

MITER CLAMP.

APPLICATION FILED JUNE 4, 1921.

1,416,874.

Patented May 23, 1922.

2 SHEETS—SHEET 1.

Fig. 1.

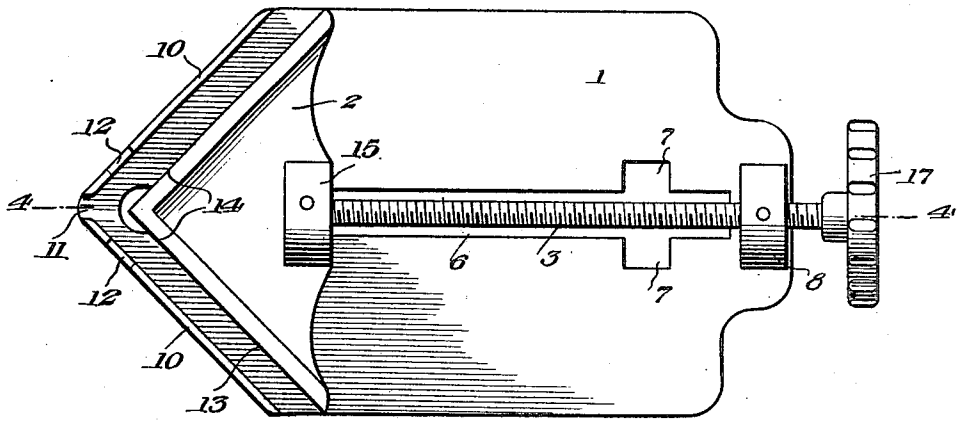



Fig. 2.

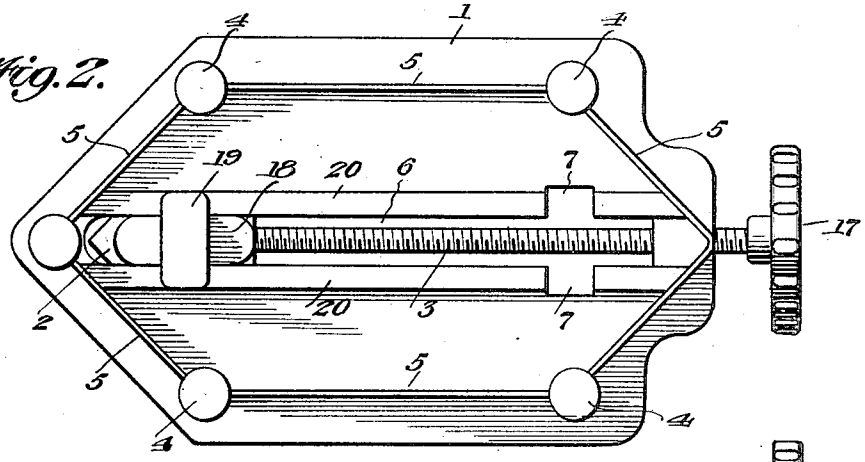
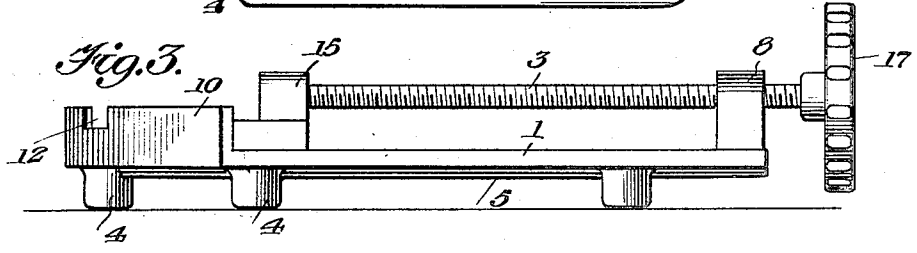



Fig. 3.




George R. Reeves

INVENTOR

BY Victor J. Evans

ATTORNEY

J. M. Evans

Thomas E. Turpin

WITNESSES.

G. R. REEVES.

MITER CLAMP.

APPLICATION FILED JUNE 4, 1921.

1,416,874.

Patented May 23, 1922.

2 SHEETS—SHEET 2.

Fig. 4.

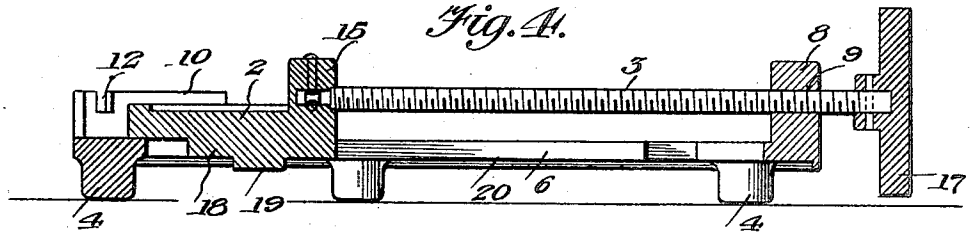



Fig. 5.

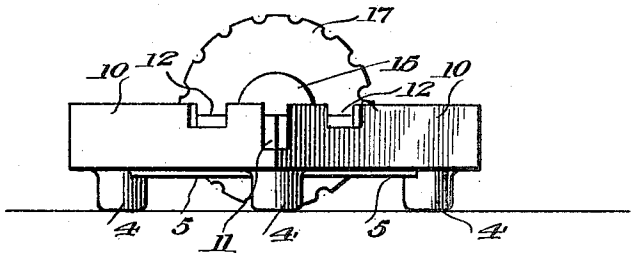
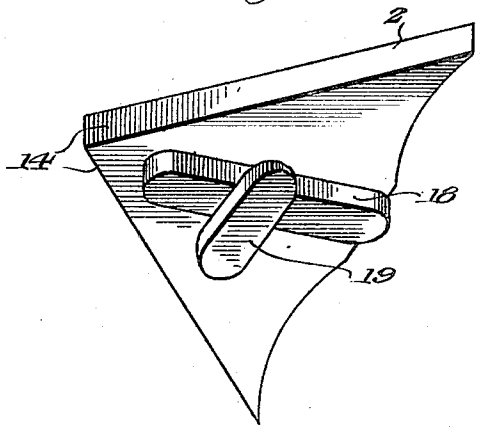



Fig. 6.




George R. Reeves

INVENTOR

BY Victor J. Evans

ATTORNEY

WITNESSES.

# UNITED STATES PATENT OFFICE.

GEORGE R. REEVES, OF CHICAGO, ILLINOIS.

## MITER CLAMP.

1,416,874. Specification of Letters Patent. Patented May 23, 1922.

Application filed June 4, 1921. Serial No. 475,133.

*To all whom it may concern:*

Be it known that I, GEORGE R. REEVES, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Miter Clamps, of which the following is a specification.

The object of my present invention is the provision of a practically improved miter clamp which in addition to its other advantages is extremely simple in construction and susceptible of ready manipulation.

To the attainment of the foregoing, the invention consists in the improvement as hereinafter described and definitely claimed.

In the accompanying drawings, forming part of this specification:—

Figure 1 is an elevation showing one side of my novel clamp.

Figure 2 is an elevation of the opposite side of the clamp.

Figure 3 is an edge elevation of the clamp.

Figure 4 is a section of the clamp taken in the plane indicated by the line 4—4 of Figure 1.

Figure 5 is an end elevation of the clamp.

Figure 6 is a perspective of the slidable member of jaw of the clamp.

Similar numerals of reference designate corresponding parts in all of the views of the drawings.

My novel clamp is made up of a body 1, a slidable member or jaw 2, and a screw 3 for adjusting and adjustably fixing the slidable member or jaw 2.

The body 1 is cast or otherwise formed in one piece, and is provided at one side with feet 4, and is also provided with strengthening ribs 5, some of which extend between the feet 4 as illustrated. In the body 1 is a longitudinal central slot 6 with lateral enlargements 7 adjacent to one end thereof. At its opposite side the body 1 is provided adjacent to one end with a lateral lug 8 in which is a longitudinally disposed threaded bore 9. The forward end of the last-named side of the body 1 is provided with flanges 10, disposed at right angles to each other, and between the contiguous ends of the said flanges 10 is formed an opening 11 that corresponds in depths to the flanges. It will also be noticed that in their edges the said flanges 10 are provided with notches 12 which are spaced from the opening or kerf 11 as illustrated. The working edge of the slidable member or jaw, designated by 13 is of right angle formation as indicated by 14, and has its portions disposed in parallelism to the flanges 10. At one side the slidable member or jaw 13 is provided with a lug 15 in which is swiveled one end of the screw 3; the said screw 3 being threaded through the bore 9 in the lug 8 of the body 1 and being provided outwardly beyond the said lug with an appropriate handle 17. At its inner side the slidable member or jaw 13 is provided with a slide 18, disposed and movable in the slot 6, and on the said slide 18 is a transverse keeper 19 adapted to work against rails 20 on the rear side of the body 1 so as to hold the major portion of the slidable member or jaw 2 against the face of the body 1. The before mentioned enlargements 7 of the body 1 are provided for the passage of the transverse keeper 19 incident to the assembling of the parts of the clamp.

My improved miter clamp is designed to be used in the manner common to the miter clamps, but in use it will be found to be practically advantageous inasmuch as the opening 11 between the flanges 10 and at the apex of the clamping portion of the body will preclude damage to frames while the same are being glued. The notches 12 in the flanges 10 will serve to prevent the escape of excess glue which will be forced out through the said notches 12 as well as through the opening 11.

I have entered into a detailed description of the construction and relative arrangement of parts embraced in the present and preferred embodiment of my invention in order to impart a full, clear and exact understanding of the said embodiment. I do not desire, however, to be understood as confining myself to the said specific construction and relative arrangement of parts inasmuch as in the future practice of the invention various changes and modifications may be made such as fall within the scope of my invention as defined in my appended claims.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:—

1. In a miter clamp, a body with angularly disposed flanges at one end of one side and between which flanges is an opening and also having at its opposite end a lug with a longitudinally disposed threaded bore, said body being longitudinally slotted, and the longitudinal slot having lateral portions adjacent to the said lug, a slidable

member or jaw having angular portions corresponding to the flanges of the body and also having a lug at one side and a slide at its opposite side, said slide movable in the body slot and equipped with a transverse keeper portion, and a screw connected in swivelled manner to the lug of the slidable member or jaw and threaded through the lug on the body.

2. In a miter clamp a body having feet and strengthening ribs at one side, and angularly disposed flanges at one end of its other side and between which is an opening and also having at the opposite end of the same side a lug in which is a longitudinally disposed threaded bore; the said body being longitudinally slotted, and the longitudinal slot having lateral portions adjacent to the said lug, a slidable member or jaw having angular portions corresponding to the flanges of the body and also having a lug at one side and a slide at its opposite side, said slide movable in the body slot and provided with a transverse keeper portion, and a screw connected in swiveled manner to the lug of the slidable member or jaw and threaded through the lug on the body.

In testimony whereof I affix my signature.

GEORGE R. REEVES.