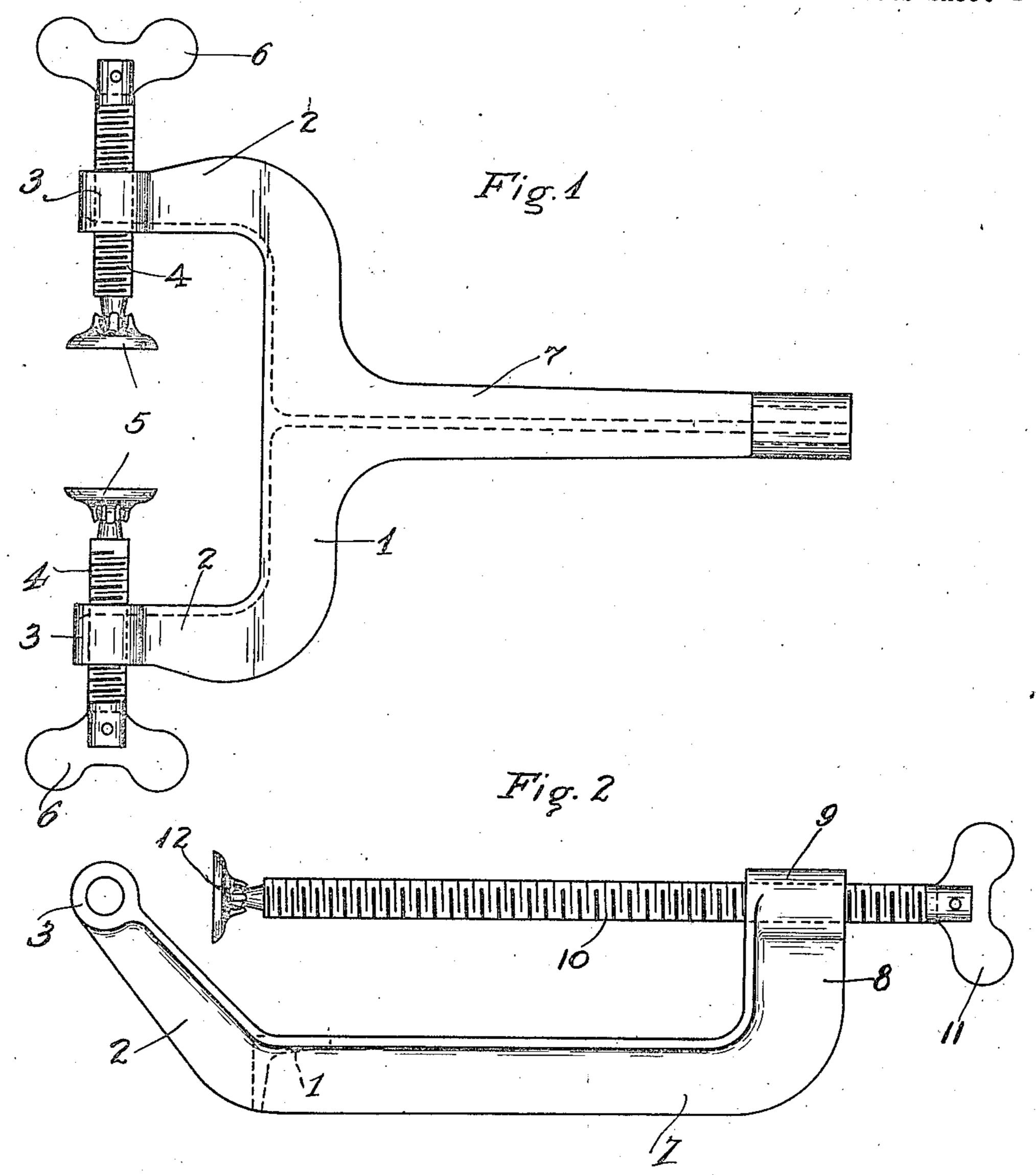
E. S. FRENCH

CLAMP

Filed Aug. 23, 1921

2 Sheets-Sheet 1



INVENTOR.
Elsamur S. French

BY

Mason, Tenurck glautence

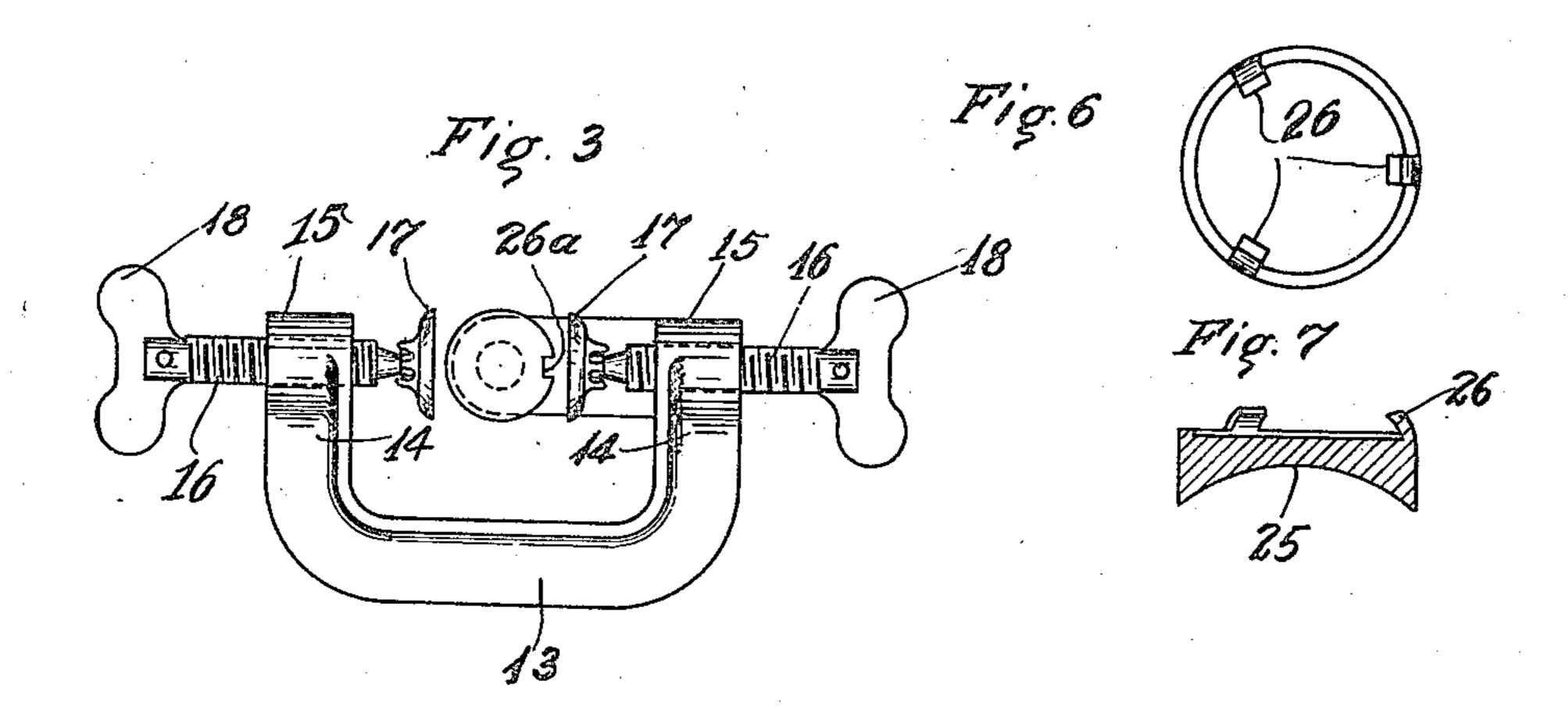
ATTORNEY.

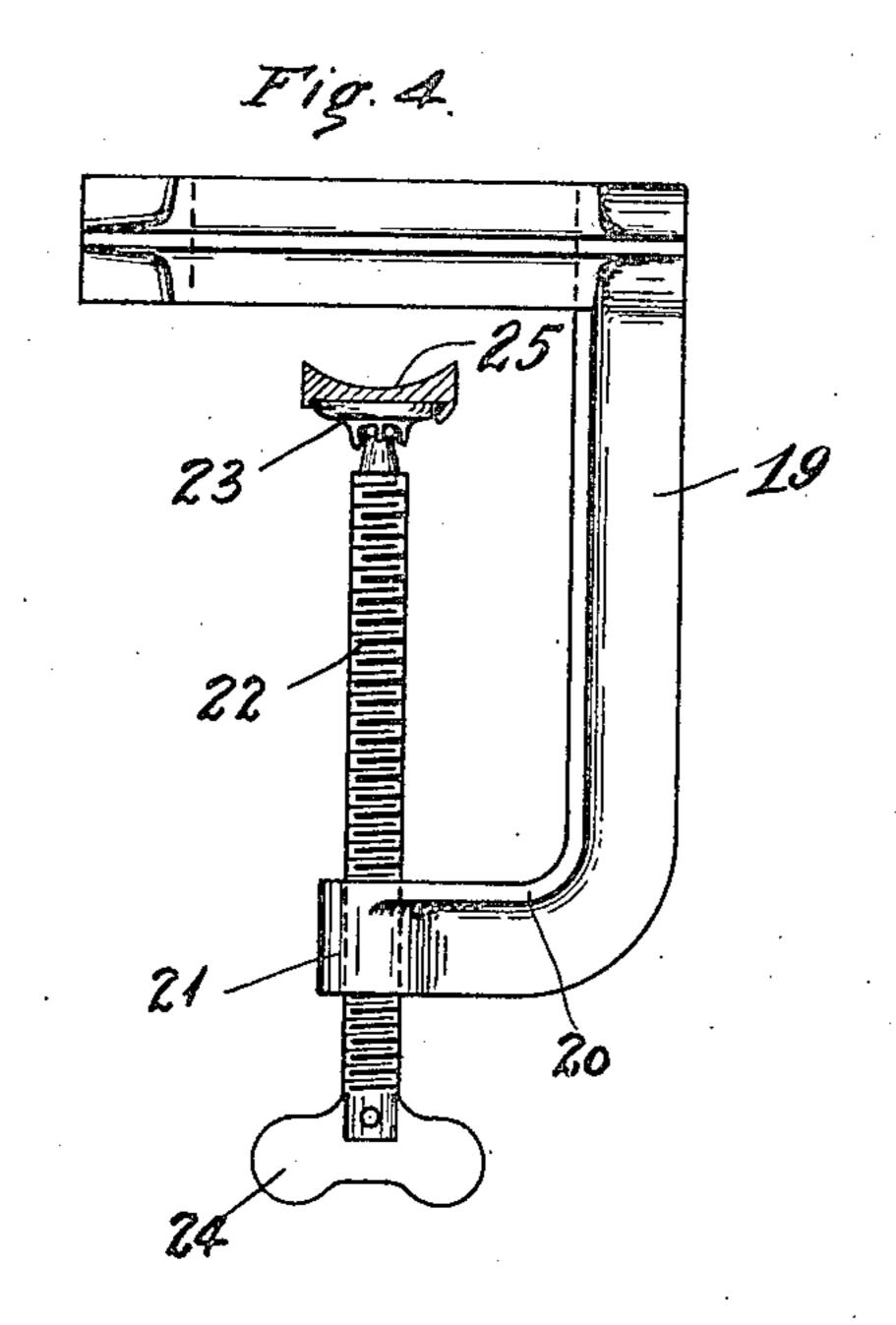
E. S. FRENCH

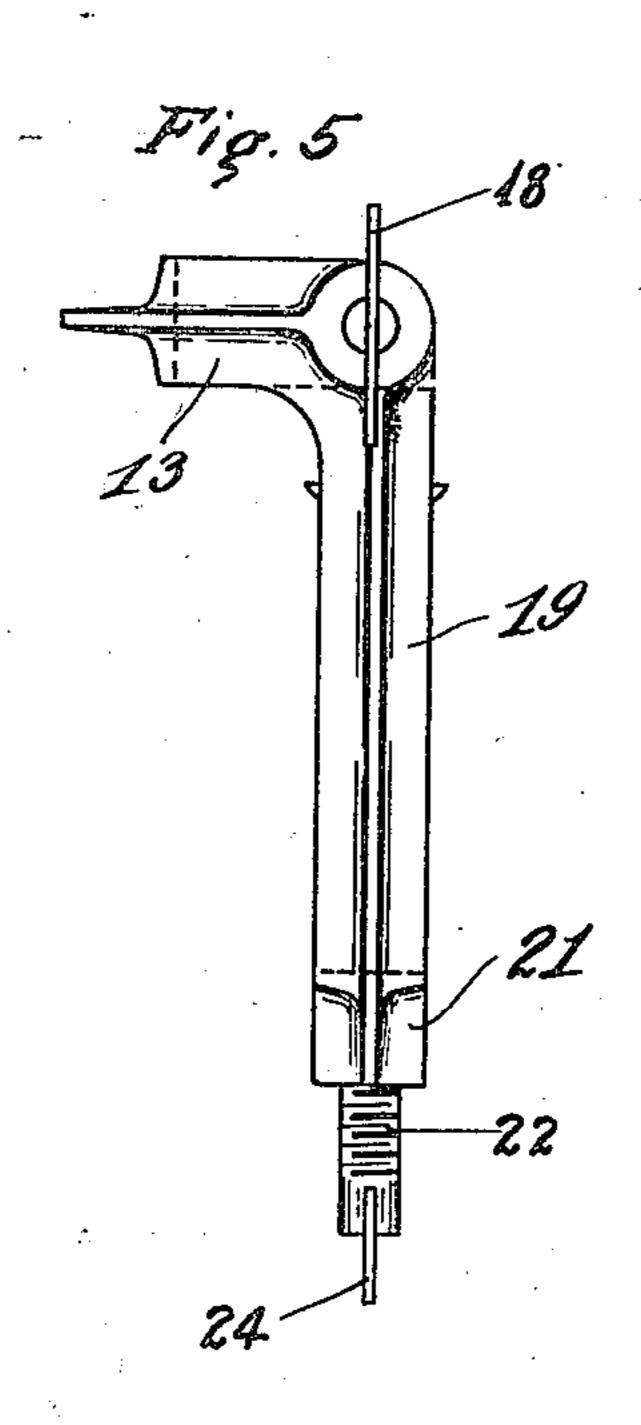
CLAMP

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2 Sheets-Sheet 2







INVENTOR.

Elsamur. S. French

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRENCH, OF DENVER, COLORADO.

CLAMP.

Application filed August 23, 1921. Serial No. 494,659.

To all whom it may concern:

a citizen of the United States, residing at mounted for longitudinal movement. Upon 5 of Colorado, have invented certain new and 4 are the clamping plates 5, said clamping to which it appertains to make and use the the screw members 4 are provided with same.

improvements in clamps and more partic- toward and away from each other. ularly to what will be known as a combina- Formed integral with the body 1 is a shank 70 tion clamp, the main object of the present 7 which extends outwardly at right angles 20 posed in a horizontal plane, can be clamped shank 7 is an angular projecting arm 8 havto glue or secure a strip to the longitudinal screw member 10 is threaded, said screw 25 clamping members can be engaged with op- one end and a clamping face 12 loosely conposite sides of the member and a third nected to the other end. clamping member forced against the strip or object to fasten the same in position with respect to the main object.

With the above and other objects in view the invention consists in the novel features of construction, combination and arrangement of parts hereinafter more fully set forth, pointed out in the claims and shown in the accompanying drawings in which:

Figure 1 is a plan view of a clamp constructed in accordance with my invention;

Fig. 2 is a side elevation; Fig. 3 is an end elevation illustrating a slightly modified form of the invention;

Fig. 4 is a side elevation;

Fig. 5 is an elevation taken at right angles to Fig. 4;

able clamping face, and

the same.

50 clamp, I provide a body member generally clamping faces loosely mounted upon the indicated by the numeral 1 having at each inner ends thereof and winged finger pieces oblique angle with respect to the body as this it will be apparent that by grasping 55 posed in parallel relation as shown in Fig. readily moved toward and away from each 1. The arms 2 are provided at their outer other. Formed integral with one of the

ends with interiorly threaded collars or Be it known that I, Elsamur S. French, sleeves 3 in which the screw members 4 are Denver, in the county of Denver and State the inner ends of each of the screw members 60 useful Improvements in Clamps; and I do plates being loosely connected to the inner hereby declare the following to be a full, ends of the screw members 4 so that they clear, and exact description of the invention, may assume various positions when being such as will enable others skilled in the art clamped to an object. The outer ends of 65 winged finger pieces 6 whereby the screws 4 This invention relates to new and useful may be manually operated to adjust them

invention being the provision of a clamp with respect to the body and preferably used for clamping and retaining articles from the center thereof as shown in Fig. into close contact which are disposed at 1 so as to be disposed midway between the different angles and wherein an object dis- arms 2. Formed at the outer end of the 75 upon opposite sides of the same and one ing an interiorly threaded sleeve 9 formed edge. In other words, should it be desired at the outer end thereof through which a edge of a horizontal member, opposed member having a winged finger piece 11 at 80

It will be noted in Fig. 2 that the arms 2 are disposed in an oblique angle with respect to the body 1 and by having the 85 arms arranged in this manner, a horizontal member may be readily grasped by the clamping members 5, said clamping members being disposed upon opposite faces of the horizontal member while the clamping member 12 can be readily engaged with the edge of the horizontal member should the occasion require. It will also be apparent that this form of clamp can be readily ap- 95 plied to various objects other than those which are disposed in a horizontal plane.

In Figs. 3 to 5 inclusive, I have illustrated a modified form of the invention which comprises in its construction, a body 100 Fig. 6 is a bottom plan view of a detach- member 13 having spaced arms 14 disposed at right angles to the body and provided Fig. 7 is a transverse sectional view of with interiorly threaded sleeves 15 at the outer ends of said arms to receive the screw In the construction of my improved members 16, said screw members having 105 end thereof an arm 2 which extends at an 18 attached to the outer ends thereof. From clearly shown in Fig. 2, said arms being dis- the wing members 18 the screws 16 may be 110

sleeves 15 is an arm 19 which extends up- applied to the modified form of the inven-5 to the arms 14 on the body 13. This ex-shown in Figs. 1 and 2. tension 20 is provided with a threaded From the above description taken in consleeve 21 in which a screw 22 is longitudi- nection with the accompanying drawings, it 45 nally movable, said screw having a clamp- will be readily apparent that I have proing member 23 upon one end and a winged vided a simple and durable clamping mem-10 finger piece 24 attached to the other end ber which can be quickly and readily applied

In Figs. 6 and 7 I have illustrated in de- thereof in position. It will also be apparent tail, a detachable clamping face for the that the clamp can be used for clamping 15 clamping members 17 and 23, this de-pieces of material together regardless of the tachable clamping portion comprising a angle of the same and shape of the material body having a concaved face as shown at to be clamped. 25 and formed upon the opposite side I claim: ²⁰ are adapted to engage over the edge of the their axes in a common plane, a frame for 25 clamp is to be used on such articles of furni- spect to the arms of the jaw, said extension tached to these particular shaped surfaces. screws. It will be apparent that this removable 2. The combination of a U-shaped frame 30 clamping member can be quickly and read- having threaded sockets at the terminals of attaching and detaching the detachable at its extremity, all of said sockets supportclamping face.

While I have shown and described the detachable clamping members as particularly

wardly at right angles to the arm as shown tion, it will be readily apparent that these 40 in Fig. 4 and provided at its outer end with clamping members can be used equally as an extension 20 extending at right angles well on the main forms of the invention

whereby this screw may be quickly and to various articles during the construction readily manipulated when desired. of the same so as to clamp certain parts 50

of the body are the tongues 26 which 1. The combination of three screws having clamping members 17 and 23 to retain this supporting said screws comprising two arms detachable member in position upon the of a jaw, an arm extending obliquely to said 60 clamping portions 17 and 23. This feature arms, and an extension at the terminal of the is particularly adapted for use when the last-named arm disposed oblique'y with reture as may be provided with rounded sur- and the extremities of the jaw arms having faces so that the clamp can be readily at screw-threaded sockets for receiving said 65

ily attached to the clamps already on the the U, an arm extending obliquely to the screws and removed when so desired. Notch plane of the U, a lateral extension extending 70 26° is provided in the clamp members 17 and from the arm on the same side thereof as the 23 for accommodation of one of lugs 26 in arms of the U and having a threaded socket

ing screws.

In testimony whereof I affix my signature. ELSAMUR S. FRENCH.