G. F. KIGHT.

STOCK.

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1,393,380. Patented Oct. 11, 1921.

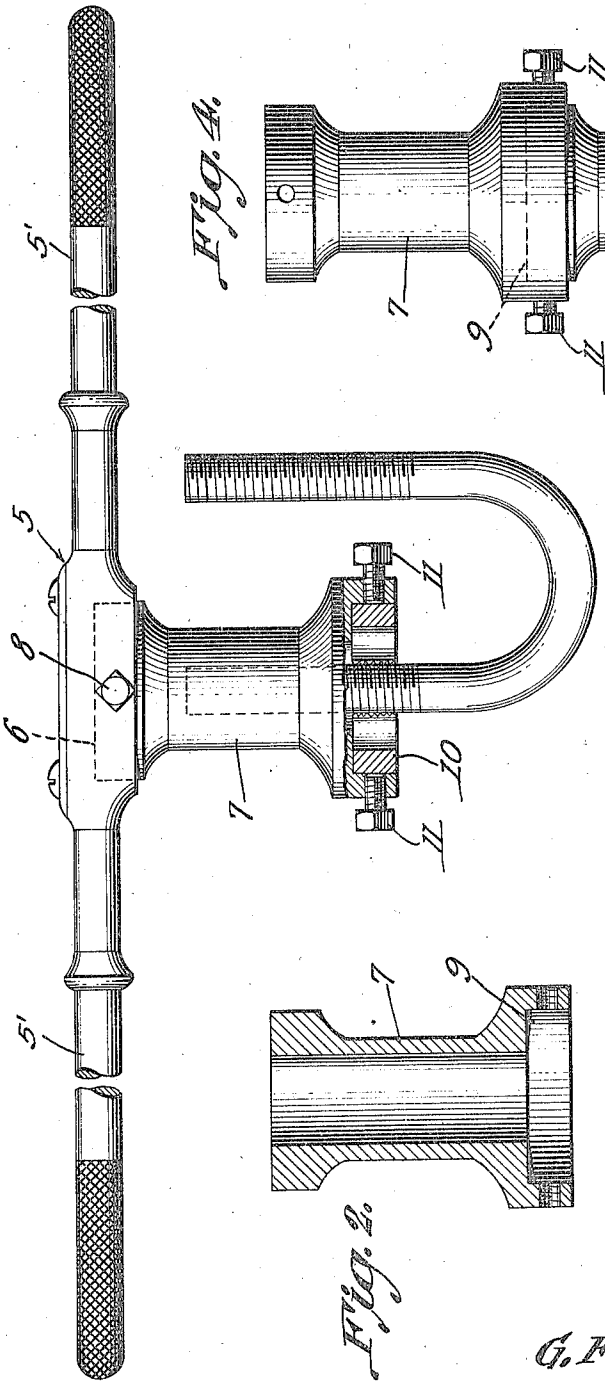


Fig. 1.

Fig. 4.

Fig. 2.

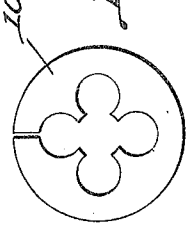


Fig. 3.

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UNITED STATES PATENT OFFICE.

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STOCK.

1,393,380. Specification of Letters Patent. Patented Oct. 11, 1921.

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To all whom it may concern:

Be it known that I, GARLAND F. KIGHT, a citizen of the United States, and a resident of Norfolk, in the county of Norfolk and State of Virginia, have invented new and useful Improvements in Stocks, of which the following is a specification.

My invention relates to stocks or thread cutting die holders, its principal object being to provide a stock or die holder particularly designed for threading U-bolts.

A further object of the invention is to provide a stock or die holder adapted to be used in threading U-bolts and constructed so that the handle of the stock will clear the extremities of the U-bolt during the rotation or cutting operation of the stock.

Further, it is within the provisions of the present invention to provide an extensible die holder including a plurality of interfitting units, the endmost one of which carrying a die, whereby it is possible to thread elements of varied lengths.

It is also embodied in my invention to provide a stock or die holder wherein the handles of the stock will not be obstructed by the bolt being operated upon and which at the same time accurately centers the stock to insure proper threading of the bolt during the rotation of the former.

Another object of the invention is to provide a stock or die holder having the characteristics mentioned, and which is simple in construction and inexpensive to manufacture.

With the preceding and other objects and advantages in mind, my invention consists in the novel combination of elements, construction and arrangement of parts, operation and specific features, all of which will be hereinafter referred to and explicitly defined in the subjoined claims and illustrated in the accompanying drawing, wherein—

Figure 1 is an elevation of my improved stock or die holder in operative position on a U-bolt;

Fig. 2 is a longitudinal sectional view of one of the units of the invention;

Fig. 3 is an elevation of the die to be used in connection with the invention; and

Fig. 4 is an elevation showing a number of the interfitting units in operative position and to be assembled with the stock in the same manner that the single unit as illustrated in Fig. 1.

Referring to the drawing in detail wherein like characters of reference designate corresponding parts throughout the several views, the numeral 5 designates the stock in its entirety including the usual handles 5′ and having an annular recess 6 in its under face.

The association with the stock 5 there is a sleeve 7 having its opposite ends increased in thickness, one of which being received in the recess 6 in the body or stock 5 and retained in this position by set-screws 8 carried by the stock. The opposite or outer end of the sleeve 7 is provided with a seat or recess 9 in which the die 10 is engaged and held in this position by set-screws 11 carried by this end of the sleeve.

When it is desired to thread U-bolts of the size shown in Fig. 1 it will be obvious that it is only necessary to assemble one of the units 7 with the stock. However, should it be necessary to thread elements of a relatively great length a number of the sleeves or units 7 would be assembled together. In this connection it will be stated that the inner end of each of the sleeves 7 is of such diameter as to be received within the die receiving recess 9 of the sleeve next in order. In using the device with a number of the units connected together, the threaded cutting die will be carried by the outermost sleeve.

It is to be understood that the form of my invention herein shown and described is to be taken as a preferred example of the same, and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, what I claim as new and desire to secure and protect by Letters Patent of the United States is:

1. The combination with a stock provided with oppositely extending handles, of a plurality of sleeves having one end of less diameter than the other and having the latter end provided with a recess to receive the smaller end of the sleeve next in order, fastenings retaining the sleeves rigid with each other, the inner end of the innermost sleeve being fixed to rotate with the stock, and a die accommodated within the outer end of the outermost sleeve.

2. In a die holder, a body having a recess

in its under face and further provided with laterally disposed handles, a sleeve having one end secured within the recess, the opposite end of the sleeve being provided with an annular enlargement having a recess of greater diameter than the sleeve, and a die held within the recess.

3. In a die holder, a body having an annular recess in one face thereof and also provided with laterally disposed handles, a sleeve increased in diameter at its opposite ends and having one of said ends accommodated within the recess and fixed to rotate with the body, the opposite end of the sleeve being provided with an annular recess of greater diameter than the middle portion of the sleeve, and a die accommodated within the recess and arranged with its cutting teeth concentric with the longitudinal center of the sleeve.

GARLAND F. KIGHT.