(No Model.)

T. H. BRADISH.

COMBINATION LOCK FOR SCISSORS OR SHEARS.

No. 568,188. Patented Sept. 22, 1896.

FIG. 1

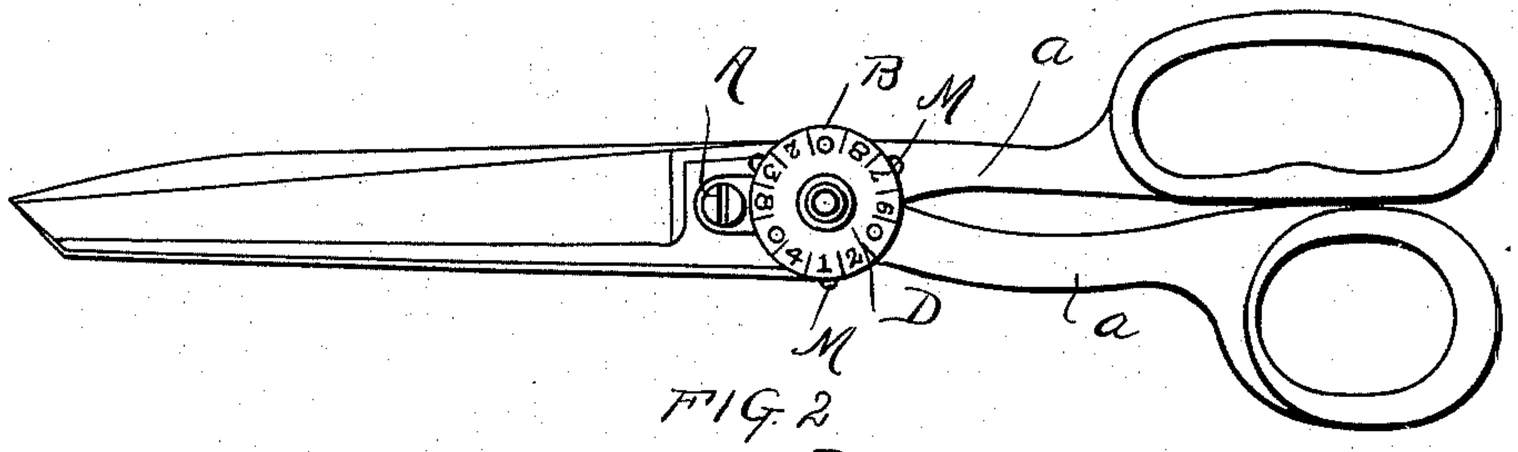


FIG. 2

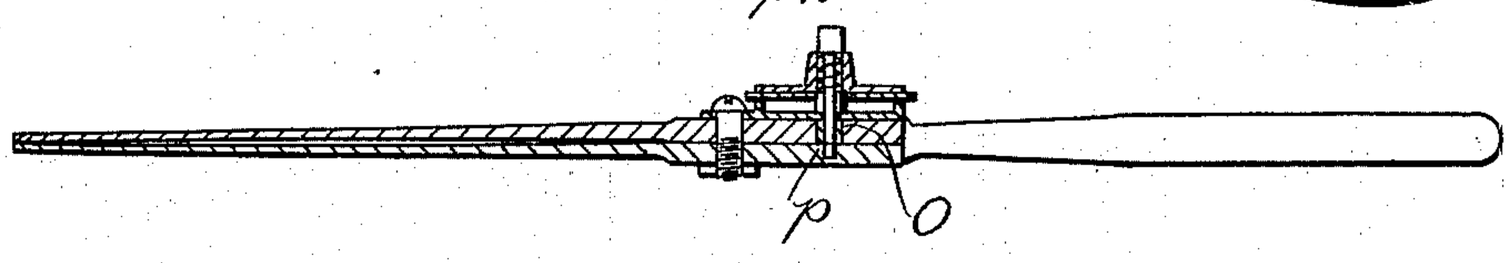


FIG. 3

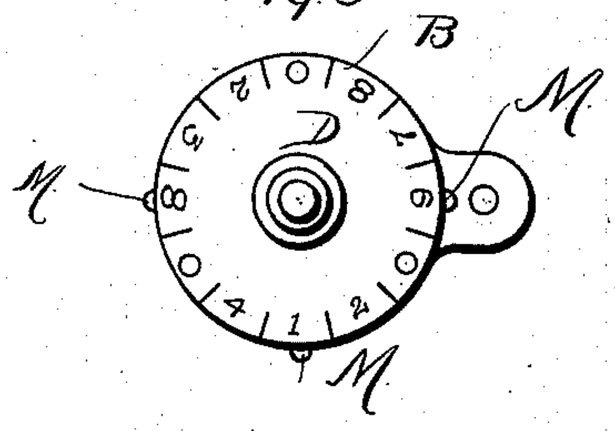


FIG. 4.

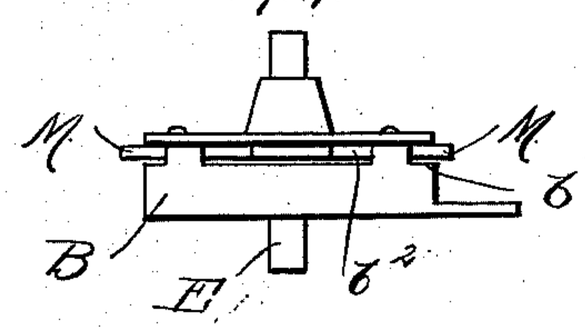


FIG. 5

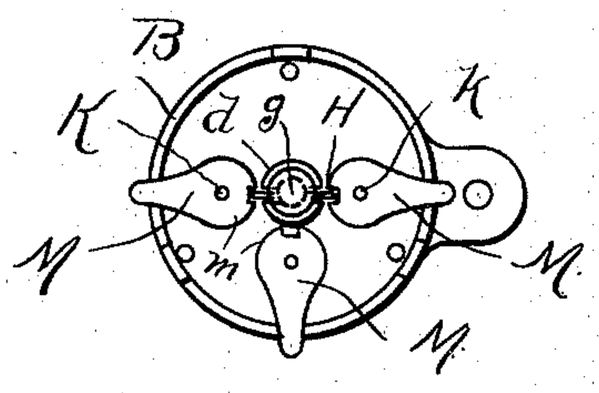
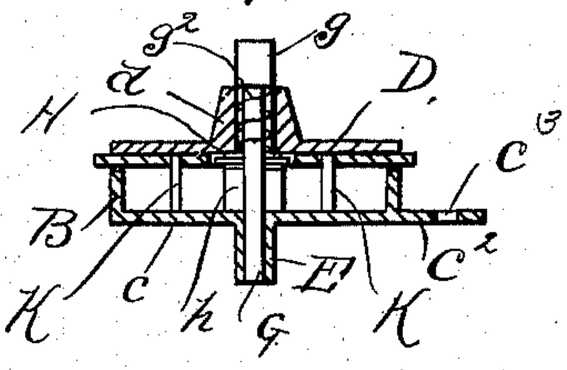


FIG 6



WITNESSES:

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UNITED STATES PATENT OFFICE.

THEODORE HALL BRADISH, OF UTICA, NEW YORK.

COMBINATION-LOCK FOR SCISSORS OR SHEARS.

SPECIFICATION forming part of Letters Patent No. 568,188, dated September 22, 1896.

Application filed April 14, 1896. Serial No. 587,504. (No model.)

To all whom it may concern:

Be it known that I, THEODORE HALL BRADISH, a citizen of the United States, and a resident of Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Combination-Locks for Scissors or Shears, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to combination-locks for scissors and shears, and the object thereof is to provide a simple and effective device of this class by means of which the blades of the scissors or shears may be locked in the closed position and cannot be used except by one who understands the combination and operation of the lock.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a plan view of a pair of shears provided with my improvement; Fig. 2, a sectional side view; Fig. 3, a plan view of the lock which I employ; Fig. 4, a side view thereof; Fig. 5, a plan view with the top of the casing removed, and Fig. 6 a central vertical section.

In the drawings forming a part of this specification I have shown an ordinary pair of shears the separate blades of which are pivotally connected at A in the usual manner, and between the shanks *a* of the blades and the pivot-pin, by which the latter are connected, is mounted my improved lock, which is secured to one of the blades.

My improved lock consists of a circular casing B, provided with a bottom C and a top D, and at one side of the bottom C is formed a projection C^2, provided with an aperture or opening C^3. The bottom C is also provided centrally thereof with a depending tubular extension E and the top or cover D with an upwardly-directed tubular extension *d*, and passing centrally through the casing and through the tubular extensions *d* and E is a bolt G, provided with a head *g*, below which is mounted a spiral spring g^2, by which the bolt G is supported, the lower end of said spring being suitably connected with the lower portion of the upwardly-directed tubular extension *d*, and passing through said bolt G, immediately below the top or cover D, is a pin H, the ends of which project at opposite sides of said bolt, and mounted on said bolt between the top or cover D and the bottom C is a tubular sleeve *h*, having vertical slots in the opposite sides thereof, through which the ends of the pin H project.

Arranged within the casing are vertical pins K, on which arms M are mounted, said arms being provided at their inner ends with circular heads *m*, and their outer ends being pointed and projected through the upper portion of the circular casing B, which is provided with segmental slots *b* for this purpose, and, as shown in Figs. 3 and 5, but three of these arms M are employed; but my invention is not limited to any particular number thereof.

The top or cover D is provided on its upper surface and in a circle at its outer edge with a number of characters, letters, or numbers, as shown in Fig. 1, which may be arranged in any desired way, and the operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings.

When the lock is secured in place, the tubular extension E extends through a corresponding hole or opening in the blade to which it is attached, as shown at O in Fig. 2, and formed in the opposite blade is an aperture or opening P, which is adapted to receive the end of the bolt G. In the normal position of the parts the bolt G is supported by the spring g^2 and does not engage with the under blade, and whenever it is desired to lock the blades together it is only necessary to turn two of the arms M into predetermined positions and then depress the bolt G, and then by moving the arms from the position selected the bolt will be held in the depressed position by the projecting ends of the pin H, which rest upon the lower side or surface of the arms, and the bolt cannot be raised without moving the arms to the position they occupied when the bolt was depressed.

It will be understood that any desired number of the arms M may be employed, but two are all that is necessary, and the employment of three or more will constitute a blind and operate to prevent the unlocking of the de-

vice by any one except the party by whom it was locked or who is in possession of a knowledge of the combination.

This device is simple in construction and operation and perfectly adapted to accomplish the result for which it is intended, and my invention is not limited to the exact form, construction, and arrangement of parts herein described, and I reserve the right to make all such alterations therein and modifications thereof as fairly come within the scope of the invention.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination with a pair of shears, or similar articles, of a combination-lock connected with one of the blades thereof, a spring-supported bolt, which passes through said lock adapted to be depressed and engage with the other blade, and means whereby said bolt may be depressed and locked in the depressed position, substantially as shown and described.

2. The combination with a pair of shears or similar articles, of a combination-lock connected with one of the blades thereof, a spring-supported bolt which passes through said lock and which is adapted to be depressed and engaged with the other blade and locked in the depressed position, consisting of a sleeve, mounted upon said bolt within said casing, and provided with vertical slots in its opposite side, pins connected with said bolt extending through said slots, and arms provided with circular heads, pivotally supported within said casing and projecting through segmental slots formed therein, the inner ends of said arms being provided with heads in which are formed notches or recesses which are adapted to be engaged by said pins, substantially as shown and described.

3. The combination with a pair of shears, or similar articles, of a combination-lock connected with one of the blades thereof, a spring-supported bolt which passes through said lock and which is adapted to be depressed and engage with the other blade, and means whereby said bolt may be depressed and locked in the depressed position, consisting of a sleeve mounted upon said bolt within said casing, and provided with vertical slots in its opposite side, pins connected with said bolt, and extending through said slots, and arms provided with circular heads pivotally supported within said casing and projecting through segmental slots formed therein, the inner ends of said arms being provided with heads in which are formed notches or recesses which are adapted to be engaged by said pins, and the top of the casing of the lock being provided with a circular row of tumblers, and characters or letters, by which the movement of the arm is regulated, substantially as described.

4. The combination with a pair of shears or similar articles, of a combination-lock connected with one of the blades thereof, and which is provided with a bolt which passes through said lock and through the blade with which it is connected, and which is adapted to be depressed and engage with an aperture or opening formed therein, and means for operating said bolt, and for locking it in a depressed position, substantially as described.

5. The combination-lock for shears or similar articles connected with one of the blades thereof, a bolt which passes through said lock and also through the blade with which the lock is connected, and which is adapted to be depressed and engage with an aperture or opening formed therein, said lock being also provided with means for depressing said bolt, and holding it in the depressed position, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 7th day of March, 1896.

THEODORE HALL BRADISH.

Witnesses:

SAMUEL S. LOWERY,

FREDERICK S. ALDRIDGE.