May 25, 1937. E. S. POMEROY 2,081,438

PISTOL

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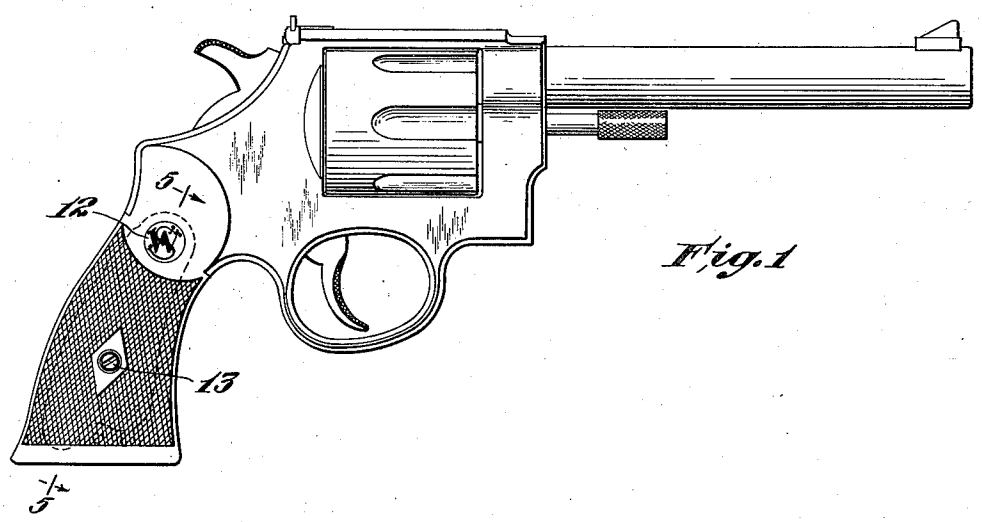


Fig. 1

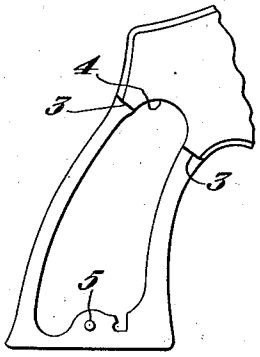


Fig. 3

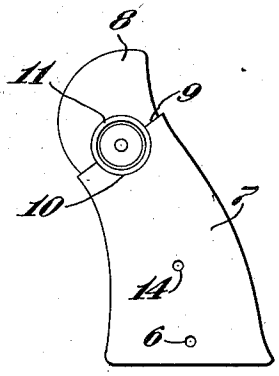


Fig. 4

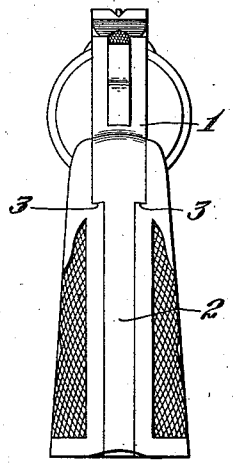


Fig. 2

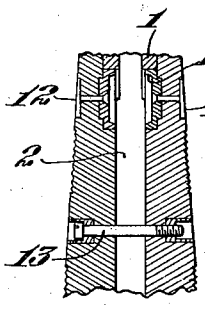


Fig. 5

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2,081,438

PISTOL

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Application October 8, 1935, Serial No. 44,019

7 Claims. (Cl. 42—71)

This invention relates to small firearms such as revolvers and automatics and more particularly to the grips which comprise the rear end of the frame and stocks, usually of wood, mounted on opposite sides of the frame in recesses terminating at their upper ends in shoulders formed by the upper thicker portion of the frame.

Objects of the invention are to facilitate the accurate positioning of the stocks on the frame, to maintain the stocks in accurate position notwithstanding rough usage, to insure accurate replacement of the stocks when the firearm is disassembled and reassembled, to increase the strength of the stocks and reduce the danger of splitting, to provide an improved abutment for the hand so that heavy recoil has less tendency to injure the crotch of the hand between the thumb and first finger, to provide an improved method of mounting a monogram or other indicia on the stock, to facilitate the manufacture and generally to improve the grips of small firearms.

According to this invention the stocks are provided with offset portions extending into recesses in said shoulders to interlock the stocks against transverse, movement relatively to the frame, these offset portions preferably being in the form of metallic rings inserted into the inner faces of the stocks in the region of said shoulders and the rings preferably being fastened to the stocks by rivets extending through the stocks with their heads exposed on the outside of the stocks to present surfaces for etched monograms or other indicia.

For the purpose of illustration a concrete embodiment of the invention is shown in the accompanying drawing in which,

Fig. 1 is a side elevation of a revolver;

Fig. 2 is a rear elevation;

Fig. 3 is a side view of the grip with the stocks removed;

Fig. 4 is a side elevation of one of the stocks viewed from the inside; and

Fig. 5 is a section on line 5—5 of Fig. 1.

The particular embodiment of the invention chosen for the purpose of illustration comprises a frame having a relatively thick portion 1 and a relatively thin tail portion 2 with shoulders 3 between the two portions on each side of the frame. In the region of the shoulders 3 the thicker portion 1 of the frame is provided with a semicircular recess 4 on each side of the frame, the upper portion 1 of the frame being hollow and having an internal width equal to the thickness of the reduced tail portion 2 of the frame. The lower end of the frame is provided with a pin 5 on each side to seat in a recess 6 of each stock.

Each stock piece comprises a relatively thick lower portion 7 and a relatively thin upper portion 8 separated by shoulders 9 adapted to seat against the shoulders 3 of the frame. The thicker portion 7 of each stock is provided with a semicircular recess 10 whose depth is equal to the difference between the thicknesses of the upper and lower portions 7 and 8. Mounted in the recesses 10 are rings 11, the thickness of the rings preferably being equal to the depth of the recesses 10 so that the inner faces of the rings are flush with the inner faces of the thicker portions 7 of the stocks. The rings 11 are preferably located so that one-half of each ring extends into a recess 10, the other half extending into the inner face of the thinner portion 8 of the stock, that is, so that the plane of the shoulders 9 substantially bisects the rings; and the rings have bosses seating in circular sockets formed in the inside faces of the stocks. The rings 11 are fastened to the stocks by means of rivets headed over at 11 and having their heads 12 exposed on the outside of the stocks to present surfaces for monograms or other indicia as shown in Fig. 1.

When the stocks are mounted on the frame the thicker portions 7 overlie the thinner portion 2 of the frame, the shoulders 9 seat against the shoulders 3 of the frame, the rings 11 seat in the semicircular recesses 4 of the larger portion 1 of the frame and the thinner portions 8 of the stocks overlie the thicker portions 1 of the frame. The lower ends of the stocks are positioned on the frame by means of the pins 5 extending into the openings 6 and the two stocks are held in position by a bolt 13 extending through openings 14 in the two grips.

It should be understood that the present disclosure is for the purpose of illustration only and that this invention includes all modifications and equivalents which fall within the scope of the appended claims.

I claim:

1. A pistol comprising a frame having an upper portion of predetermined thickness and a lower portion of reduced thickness to provide stock spaces on opposite sides of the frame respectively, said upper portion having in its outside faces recesses opening into said spaces with surfaces extending transversely of said faces, stocks mounted in said spaces, the upper ends of the stocks having reduced thickness and overlapping said upper portion of the frame, and each

stock having fast thereto a metallic positioning part fitting into one of said recesses and engaging one of said surfaces.

2. A pistol comprising a frame having an upper portion of predetermined thickness and a lower portion of reduced thickness to provide stock spaces on opposite sides of the frame respectively, said upper portions having in its outside faces semicircular recesses opening into said spaces with surfaces extending transversely of said faces, stocks mounted in said spaces, the upper ends of the stocks having reduced thickness and overlapping said upper portion of the frame, and each stock having fast thereto a metallic ring fitting into one of said recesses and engaging one of said surfaces.

3. A pistol comprising a frame having an upper portion of predetermined thickness and a lower portion of reduced thickness to provide stock spaces on opposite sides of the frame respectively with shoulders between the two portions, said upper portions having in their outside faces recesses opening into said spaces, stocks mounted in said spaces, the upper ends of the stocks having reduced thickness and overlapping said upper portion of the frame, and each stock having fast thereto a positioning part fitting into one of said recesses, the thickness of said part being equal to the difference in the thickness of the stock on opposite sides of said shoulders, one side of the part seating on the inner surface of the thinner end of the stock and the opposite side of the part being flush with the inner surface of the stock on the other side of said shoulders.

4. A pistol comprising a frame having recesses therein, non-metallic stocks mounted on opposite sides of the frame respectively, each stock having fast thereto a metallic ring fitting into one of said recesses accurately to position the stock on the frame, said ring engaging a surface in said recess which extends transversely of said sides, and means for securing each stock to the frame.

5. A pistol comprising a frame having recesses therein, non-metallic stocks mounted on opposite sides of the frame, respectively, each stock having a metallic part fitting into one of said recesses accurately to position the stock on the frame, said ring engaging a surface in said recess which extends transversely of said sides, and means for securing each of said parts to its stock comprising a fastener extending through the stock with its head exposed on the outside of the stock.

6. A pistol comprising a frame having recesses therein, non-metallic stocks mounted on opposite sides of the frame respectively, each stock having a metallic ring fitting into one of said recesses accurately to position the grip on the frame, said ring engaging a surface in said recess which extends transversely of said sides, and means for securing each ring to its stock comprising a rivet extending through the stock with its head exposed on the outside of the stock for presenting suitable indicia.

7. A pistol comprising a frame having an upper portion of predetermined thickness and a lower portion of reduced thickness to provide stock spaces on opposite sides of the frame respectively with shoulders between the two portions, said upper portions having in their outside faces recesses opening into said spaces with surfaces extending transversely of said faces, stocks mounted in said spaces, the upper ends of the stocks having reduced thickness and overlapping said upper portion of the frame, and each stock having fast thereto a metallic positioning part fitting into one of said recesses and engaging one of said surfaces, one side of the part seating on the inner surface of the thinner end of the stock.

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