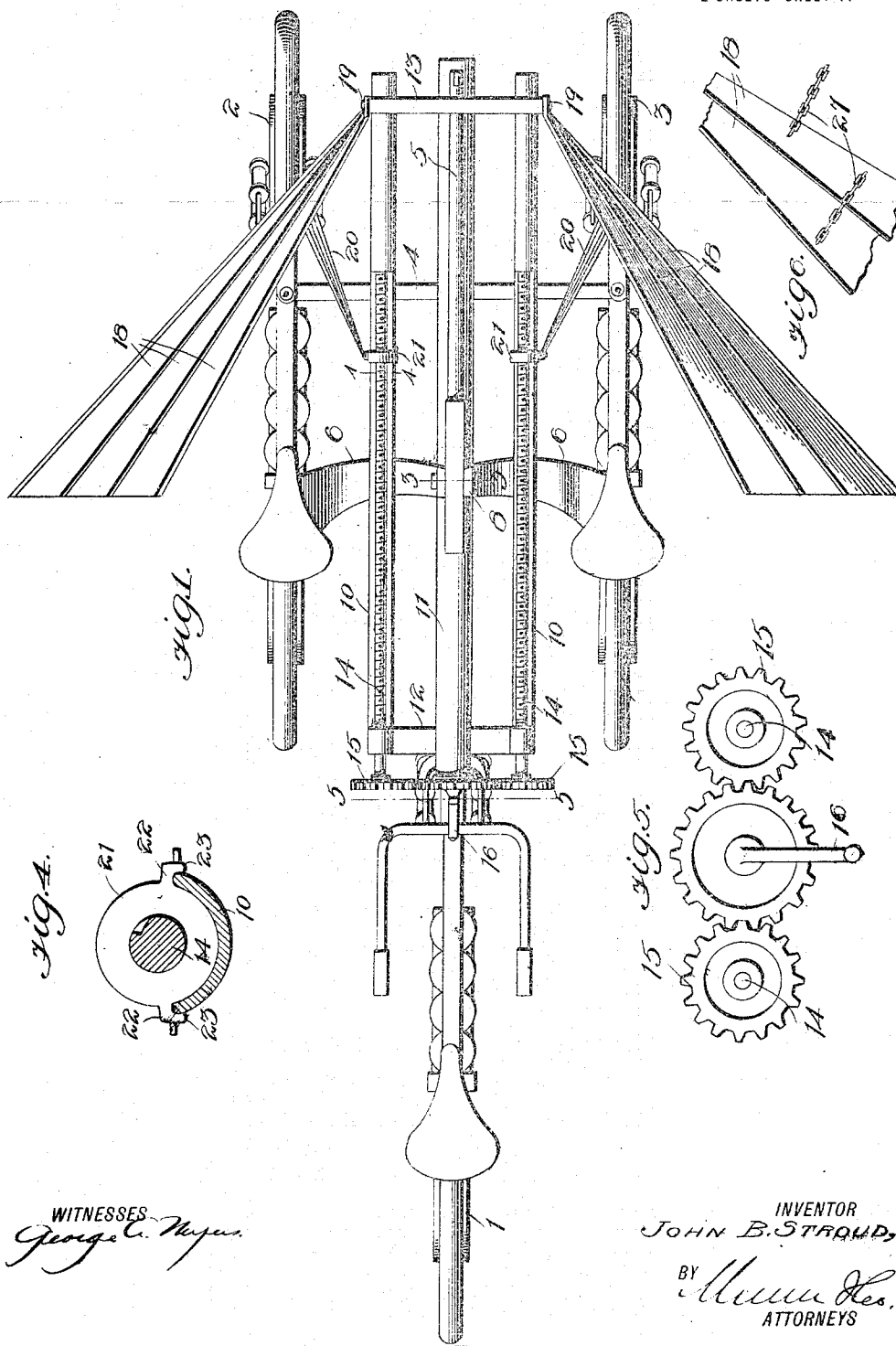


1,279,930

J. B. STROUD.
GUN SHIELD.
APPLICATION FILED JUNE 5, 1918.

Patented Sept. 24, 1918.
2 SHEETS—SHEET 1.



WITNESSES
George C. Myers

INVENTOR
JOHN B. STROUD,
BY *Munn & Co.*
ATTORNEYS

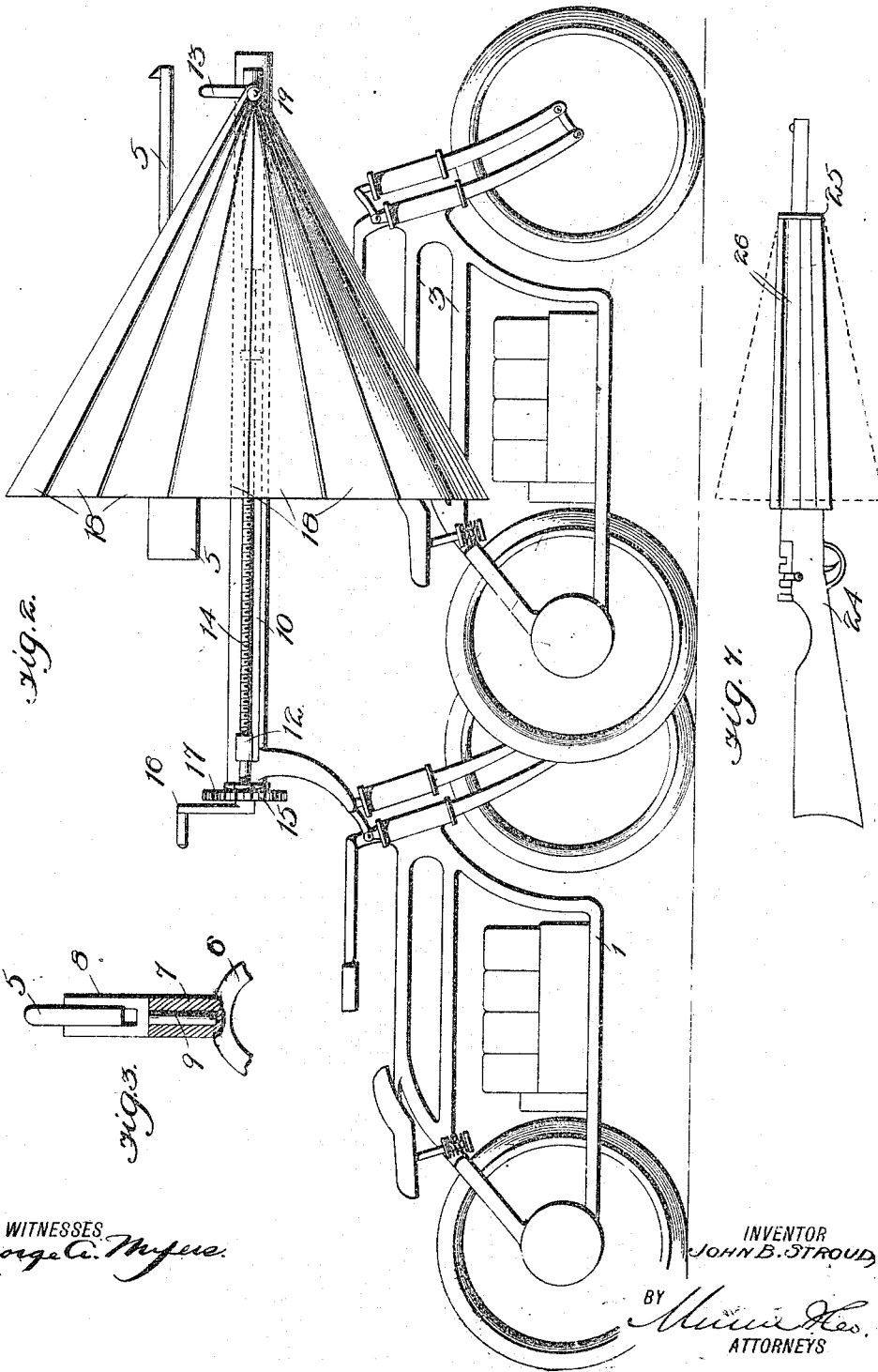
J. B. STROUD.
GUN SHIELD.

APPLICATION FILED JUNE 5, 1918.

Patented Sept. 24, 1918.

2 SHEETS—SHEET 2.

1,279,930.



WITNESSES
George A. Myers.

INVENTOR
JOHN B. STROUD

BY *Miss Hes.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN BELL STROUD, OF PASS CHRISTIAN, MISSISSIPPI.

GUN-SHIELD.

1,279,930.

Specification of Letters Patent. Patented Sept. 24, 1918.

Application filed June 5, 1918. Serial No. 838,342.

To all whom it may concern:

Be it known that I, JOHN BELL STROUD, a citizen of the United States and a resident of Pass Christian, in the county of Harrison and State of Mississippi, have invented certain new and useful Improvements in Gun-Shields, of which the following is a specification.

My invention is an improvement in armor shields, and has for its object to provide a device of the character specified, adapted for use with motor vehicles, carrying machine guns, wherein three motorcycles are connected together to move as one, and where-
10 expanding and contracting shields are provided for the riders of the same.

In the drawings:

Figure 1 is a top plan view of the improved shield in use,

20 Fig. 2 is a side view,

Figs. 3, 4, and 5 are sections on the lines 3—3, 4—4, and 5—5, respectively of Fig. 1.

Fig. 6 is a perspective view of a portion of the shield, and

25 Fig. 7 is a side view of a modified form of shield adapted for use with an ordinary gun.

The embodiment of the invention shown in Figs. 1 to 6 is shown in connection with three motorcycles of usual construction, indicated at 1, 2, and 3, respectively, the motorcycles 2 and 3 being arranged alongside each other in parallel spaced relation, with the motorcycle 1 in rear of the motorcycles 2 and 3, and intermediate the same.

35 The motorcycles 2 and 3 are connected to steer as one by a cross bar 4, and they support a machine gun 5 between them by means of an arch bar 6 which is rigidly connected at its ends to the motorcycles, and has a standard 7 at its center on which the gun 5
40 is pivoted.

A yoke 8 is provided for mounting the gun, the gun being held between the arms of the yoke, and the body of the yoke has a
45 journal pin 9 which engages a vertical opening in the standard 7.

Substantially trough shaped casings 10 are arranged at each side of the gun, and in parallel spaced relation, and between these
50 casings is arranged a tubular casing 11, the three casings being rigidly connected by cross bars 12 and an arch shaped bar 13. A

screw threaded rod 14 is journaled in each casing 10, and each of these rods carries at its rear end a gear wheel 15.

55 A crank shaft 16 is journaled at the rear end of the casing 11, and this crank shaft carries a gear wheel 17 which meshes with both wheels 15, and it will be evident that when the crank shaft is turned, the screw threaded rods 14 will be simultaneously turned in the same direction.

A series of substantially triangular or fan shaped shield plates 18 is pivoted to each end of the arch bar by their smaller
60 ends, as indicated at 19 and in overlapping relation, so that they may be folded into overlapping and superposed position, or into the position shown in Figs. 1 and 2.

A stretcher 20 connects each of the plates 18 with a collar 21 mounted to move in the adjacent trough shaped casing 10. Each of these collars 21 is a nut having a lug or the like engaging the thread of the adjacent
75 screw threaded rod, in such manner that when the rod is turned the collar will be moved longitudinally thereof.

Each collar has outwardly extending lugs 22 engaging over the adjacent edge of the trough 10, and each lug has a downward ex-
80 tension 23 engaging outside of the trough to prevent lateral movement of the collar with respect to the trough. There is sufficient friction at the pivotal connection to hold the shield plates in the position into which they
85 are adjusted, the plates of each series being connected by flexible members 29 to limit their expanding movement to a position where their edges yet overlap.

Referring to Fig. 1 it will be noticed that
90 the outer ends of the casings 10 are tubular instead of trough shaped.

Fig. 7 shows a shield for use with an ordinary rifle 24. With this arrangement a suitable support 25 is mounted upon the
95 barrel at a suitable point, and the shield plates 26 are connected with the support, in the same manner as the plates 18 are connected with the arch bar 13. They may be expanded and contracted in any suitable or
100 desired manner.

In use the gun is carried by the three motorcycles, each motorcycle having a rider, the riders of the motorcycles 2 and 3 being

depended upon to guide the entire structure, while the rider of the motorcycle 1 may operate the machine gun. The gun is mounted to swing laterally on the standard 7, and the riders are protected by the shield plates 18, which may be extended by the rider of the motorcycle 1.

I claim:

1. In combination with the motorcycles, two arranged in spaced parallel relation, and one in rear and intermediate the other two, a pair of spaced parallel rigidly connected trough shaped casings arranged between the two front motorcycles, a screw threaded rod journaled in each of the said casings, means for simultaneously rotating the rods in the same direction, a nut mounted on each rod, a series of substantially triangular shield plates pivoted by the smaller ends in overlapping relation at the front of each trough shaped casing, and a connection between the plates of each series and the adjacent nut, said connections comprising stretchers pivoted at one end to the plates and at the other end to the nut, and means for supporting a machine gun between the two front motorcycles.

2. In combination with the motorcycles, two arranged in spaced parallel relation, and one in rear and intermediate the other two, a pair of spaced parallel rigidly connected trough shaped casings arranged between the two front motorcycles, a screw threaded rod journaled in each of the said casings, means for simultaneously rotating the rods in the same direction, a nut mounted on each rod, a series of substantially triangular shield plates pivoted by the smaller ends in overlapping relation at the front of each trough shaped casing, and a connection between the plates of each series and the adjacent collar.

3. A device of the character specified, comprising in combination with a pair of motorcycles arranged in parallel spaced relation and connected to steer together, of a machine gun supported between the motorcycles, a third motorcycle behind the machine gun, an expansible and collapsible

shield at each side of the gun, and means for expanding and contracting the shield, each shield consisting of a series of fan shaped plates having their smaller ends forward and pivoted at the said ends in overlapping relation.

4. A device of the character specified, comprising in combination with a pair of motorcycles, arranged in parallel spaced relation and connected to steer together, of a machine gun supported between the motorcycles, a third motorcycle behind the machine gun, an expansible and collapsible shield at each side of the gun, and means for expanding and contracting the shield.

5. A device of the character specified, comprising a pair of laterally spaced motorcycles connected to steer together, a machine gun supported between the motorcycles, and an expansible and contractible shield at each side of the gun, and common means for expanding and contracting the shields, a third motorcycle behind the pair and intermediate the members of the pair, the expanding and contracting mechanism for the shields being adjacent to the rider of the said wheel.

6. A device of the character specified, comprising a pair of laterally spaced motorcycles connected to steer together, a machine gun supported between the motorcycles, and an expansible and contractible shield of sheet metal plates at each side of the gun, and common means for expanding and contracting the shields.

7. A device of the character specified, comprising a pair of laterally spaced motorcycles connected to steer together, a machine gun supported between the motorcycles, and an expansible and contractible shield at each side of the gun, and common means for expanding and contracting the shields, each of the said shields consisting of a series of fan shaped plates, having their small ends forward and pivoted together in overlapping relation.

JOHN BELL STROUD.

Witnesses:

REBELLIA A. BRANDT STROUD,
ANNA M. BRANDT.