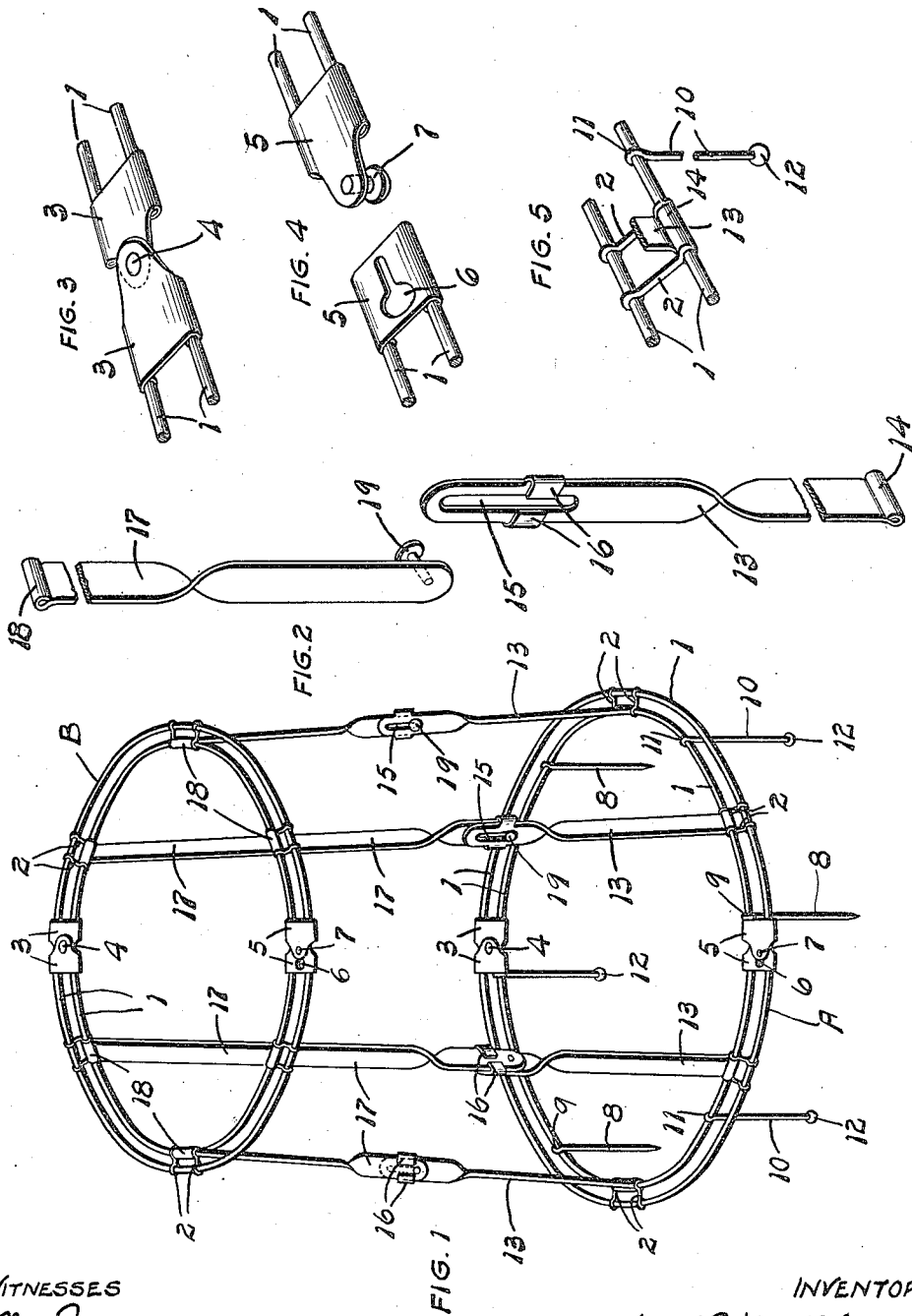


H. C. JANUARY.
COLLAPSIBLE DUCK BLIND.
APPLICATION FILED SEPT. 5, 1911.

1,031,851.

Patented July 9, 1912.



WITNESSES

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UNITED STATES PATENT OFFICE.

HARRY C. JANUARY, OF ST. LOUIS, MISSOURI.

COLLAPSIBLE DUCK-BLIND.

1,031,851.

Specification of Letters Patent.

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Application filed September 5, 1911. Serial No. 647,797.

To all whom it may concern:

Be it known that I, HARRY C. JANUARY, a citizen of the United States, residing at St. Louis, Missouri, have invented a certain new and useful Improvement in Collapsible Duck-Blinds, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a collapsible duck blind frame of my improved construction. Fig. 2 is a perspective view of one of the folding uprights made use of in my improved collapsible duck blind. Fig. 3 is a perspective view of the hinge between the two parts of one of the folding rings forming part of my improved blind. Fig. 4 is a perspective view of a detachable joint or connection between the ends of the folding rings used in connection with my improved blind. Fig. 5 is a perspective view of a portion of the lower ring of the blind and showing one of the anchor devices thereon.

My invention relates to a folding or collapsible skeleton frame particularly adapted for use in the formation of a blind for hunters, while engaged in shooting wild fowl and particularly that variety inhabiting lakes, streams and marshes.

In shooting wild fowl such as ducks, geese and the like, hunters very frequently place decoys in the water and shoot at the wild fowl which may be attracted by said decoys, from a blind or screen erected on the bank near the decoys, and it is the purpose of my invention to provide a simple, inexpensive frame-work on which shrubbery, branches of trees, corn stalks or the like may be located to form a blind for the hunter, and which frame is light in weight and can be readily collapsed and folded so as to occupy comparatively little space when packed for transportation or storage.

To the above purposes my invention consists in certain novel features of construction and arrangement of parts hereinafter more fully described and claimed.

As shown in the accompanying drawings the collapsible frame comprises a pair of rings, one arranged above the other, and which rings are united by a series of folding uprights.

A designates the lower ring and B the up-

per ring and each of said rings is composed of a pair of heavy wires or small metal rods 1, the same being spaced a suitable distance apart in order that shrubbery, corn stalks, weeds and the like may be placed between said wires or rods when the blind is set up for use. The wires or rods forming each ring are united at suitable distance apart by short tie wires 2 the same being preferably arranged in pairs. Each ring is made in mating parts or halves and mounted on the wires or rods on one end of the meeting parts, are plates 3 the outer ends of which are united by a pivot pin 4 thus forming a hinge between the two parts. The ends of the wires on the opposite side of the two parts are provided with plates 5 in one of each is formed a key-hole opening 6 adapted to receive a headed pin or rivet 7 carried by the opposite plate and thus a detachable joint or connection is formed for each ring, directly opposite the point where the same is hinged.

The construction just described permits the rings at the upper and lower ends of the structure to be separated on one side, and the halves of the rings swung away from one another so as to form a pair of semi-circular frames which, when properly covered with shrubbery or the like, will serve as a blind for two persons.

8 designates a series of short rods the lower ends of which are pointed and the upper ends of which are provided with eyes 9 which engage one of the wires or rods of the lower ring A and which rods are forced into the ground to firmly hold the collapsible frame when the same is set up for use.

10 designates a series of short rods the upper ends of which are provided with eyes 11 which engage the wires or rods of the lower ring and the lower ends of these rods are provided with balls or knobs 12. These rods, having the balls or knobs on their lower ends, serve as anchors to hold the collapsible frame in proper position when the device is set upon a sand bar or upon marshy or unstable ground.

13 designates a series of upright members preferably formed of thin metal strips the lower ends of which are provided with loops 14 which are loosely mounted on one of the wires or rods of the lower ring A and the upper ends of these upright members are bent at right angles to the lower portions so as to occupy positions at right

angles to the circumference of the lower ring. The upper end of each vertical member 13 is provided with a longitudinally extending slot 15 and formed on the sides of each member adjacent the lower portion 5 of the slot therein is a pair of ears 16. A series of vertically disposed members 17 corresponding with the members 13 have loops 18 formed in their upper ends whereby they are hinged to one of the wires or rods of the upper ring B and the lower portions 10 of these members 17 are bent at right angles to the upper portions in order to lie parallel with the upper ends of the members 13. The bent lower ends of the members 15 17 are provided with headed pins 19 which extend through and are constantly in engagement with the slots 15 and when the device is set up for use the lower ends 20 of the side members 17 occupy positions between the ears 16 thus supporting the ring B in proper position above the ring A.

When my improved collapsible frame is set up for use the ring A is positioned on the ground with the rods 8 and 10 inserted 25 in the ground to hold the device in position and the ring B is now elevated until the various members 13 and 17 are moved into upright positions after which the ring B 30 is lowered to such a degree as to permit the lower ends of the members 17 to engage between the ears 16 and thus the frame is opened and set up.

Any available material such as weeds, 35 shrubbery, corn stalks, branches of trees and the like is now placed upon the upright frame, preferably between the pairs of wires or rods 1, and thus a circular screen or blind is completed and ready to be occupied by the hunter. When it is desired to 40 form a blind which will accommodate two persons, the headed pins 7 are disengaged from the key-hole openings 6 and the halves of the rings are swung apart upon the 45 pivot pins 4, and thus a pair of semi-circular frames are formed which can be covered with shrubbery or branches to form a blind having a length approximately twice the diameter of the circular blind.

When the device is knocked down and collapsed for transportation or storage the ring B is lifted to withdraw the lower ends of the members 17 from between the pairs of ears 16 and when the headed pins have 50 reached the upper ends of the slots 15 the meeting ends of the members 13 and 17 may be swung inward thereby permitting the rings A and B to be folded together so as to occupy comparatively little space. The 60 rings A and B maintain their circular form when folded together and the members 13 and 17 occupy horizontal positions between said rings.

A collapsible duck blind of my improved 65 construction is comparatively simple, is ex-

tremely light in weight and can be cheaply manufactured, can be readily set up for use, and when folded and packed for transportation or storage occupies comparatively little space.

It will be readily understood that minor 70 changes in the size, form and construction of the various parts of my improved device can be made and substituted for those herein shown and described without departing 75 from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim,

1. The herein-described collapsible duck blind comprising a pair of top rings, one 80 arranged immediately inside the other, a pair of bottom rings, one arranged immediately inside the other and folding members connecting said pairs of rings.

2. In a duck blind of the class described, 85 an upper part comprising a member provided with openings adapted to receive and retain screening material, a bottom part comprising a member provided with openings adapted to receive and hold screening 90 material, and folding members connecting the upper and lower parts.

3. In a collapsible duck blind, an upper member comprising a pair of rings one inside and immediately adjacent to the other, 95 a bottom member comprising a pair of rings one inside and immediately adjacent to the other and folding uprights connecting said top and bottom members.

4. The herein described collapsible duck 100 blind comprising an upper member formed of a pair of concentric rings occupying substantially the same horizontal plane, a lower member composed of a pair of concentric rings occupying substantially the same horizontal 105 plane, and folding members connecting said upper and lower members.

5. In a duck blind of the class described, a base, anchoring devices carried thereby, a top part comprising a member having 110 openings adapted to receive and retain screening material, and folding uprights connecting the base and the top part.

6. In a collapsible duck blind, a base member comprising a pair of rings spaced 115 apart which rings occupy substantially the same horizontal plane, a series of uprights hinged at their lower ends to said base member, an upper member comprising a pair of rings spaced apart which rings occupy substantially the same horizontal plane and 120 a series of members hinged to and depending from said upper member, the lower ends of which depending members are loosely connected to the upper ends of the uprights. 125

7. In a collapsible duck blind, a base member and upper member, each comprising a pair of rings, with one ring of each pair arranged within the other, folding uprights connecting said members and means 130

whereby said uprights are locked in alinement when the blind is set up for use.

8. In a duck blind of the class described, a base, anchoring devices carried thereby, a top part comprising a member having openings adapted to receive and retain screening material, folding uprights connecting the base and the top part, and means on the folding uprights for locking the same in alinement.

9. The herein described collapsible duck blind comprising a base member, an upper member, each of said members being composed of a pair of rings one ring of each pair being arranged within the other and folding uprights uniting the base member and upper member.

10. The herein-described collapsible duck blind comprising upper and lower members each formed of a pair of rings, one ring of each pair being arranged within the other, and each of which members is formed in mating parts, and which parts are hinged together, folding uprights connecting the upper and lower members and means for locking the parts of the folding uprights together when the same are in extended alinement.

11. The herein described collapsible duck

blind comprising upper and lower members each formed of a pair of rings, one ring of each pair being arranged within and immediately adjacent to the other, each of which members is formed in mating parts, which parts are hinged together, and folding uprights connecting the upper and lower members.

12. In a duck blind of the class described a base member, an upper member comprising a pair of rings one arranged immediately within the other to form a space adapted to receive screening material and folding uprights connecting the base with said upper member.

13. In a duck blind of the class described, a base member comprising a pair of rings, one of which is arranged immediately within the other to form a space adapted to receive screening material, an upper member and folding uprights connecting the base member with said upper member.

In testimony whereof I hereunto affix my signature in the presence of two witnesses, this 10th day of August, 1911.

HARRY C. JANUARY.

Witnesses:

E. M. HARRINGTON,

M. P. SMITH.