

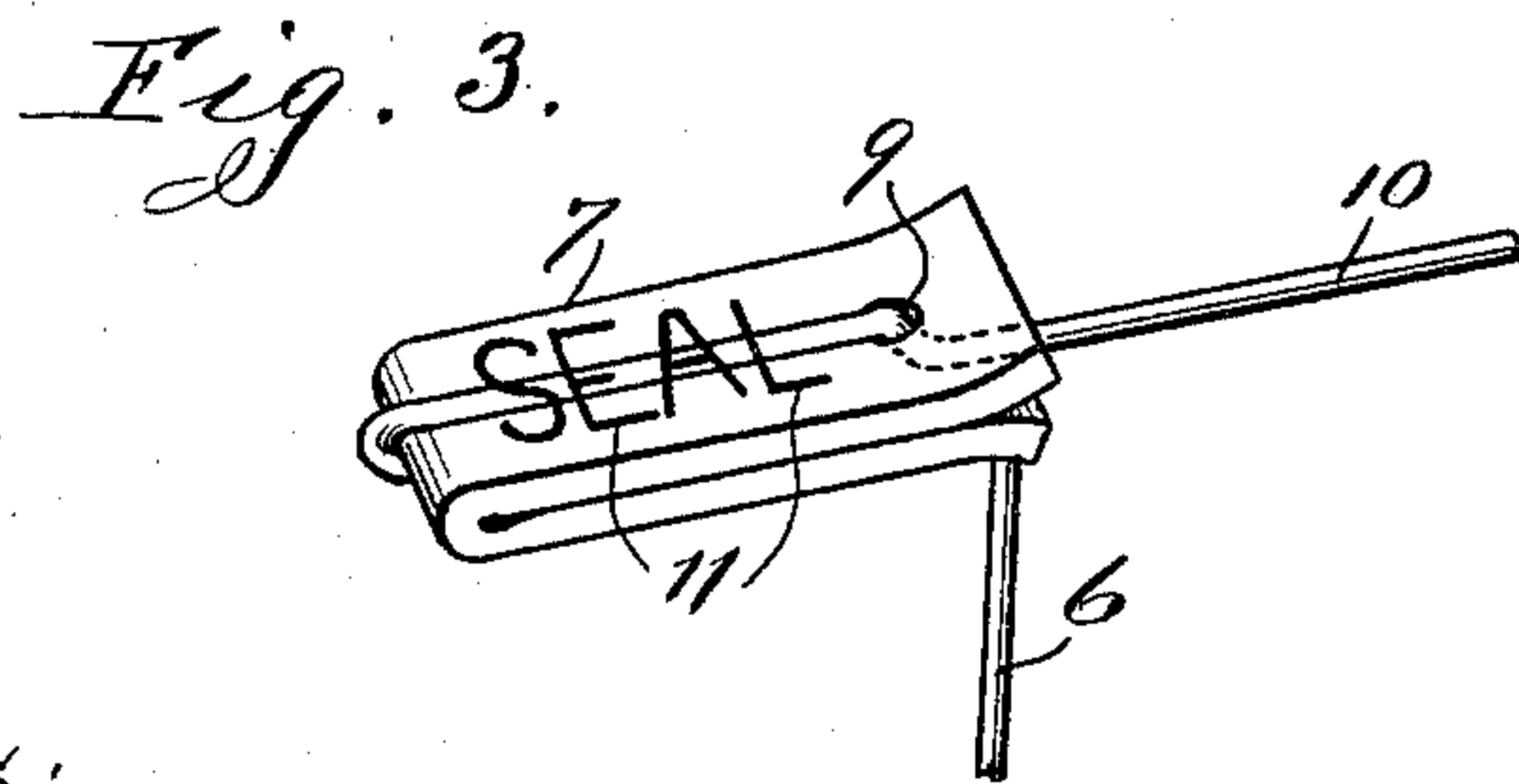
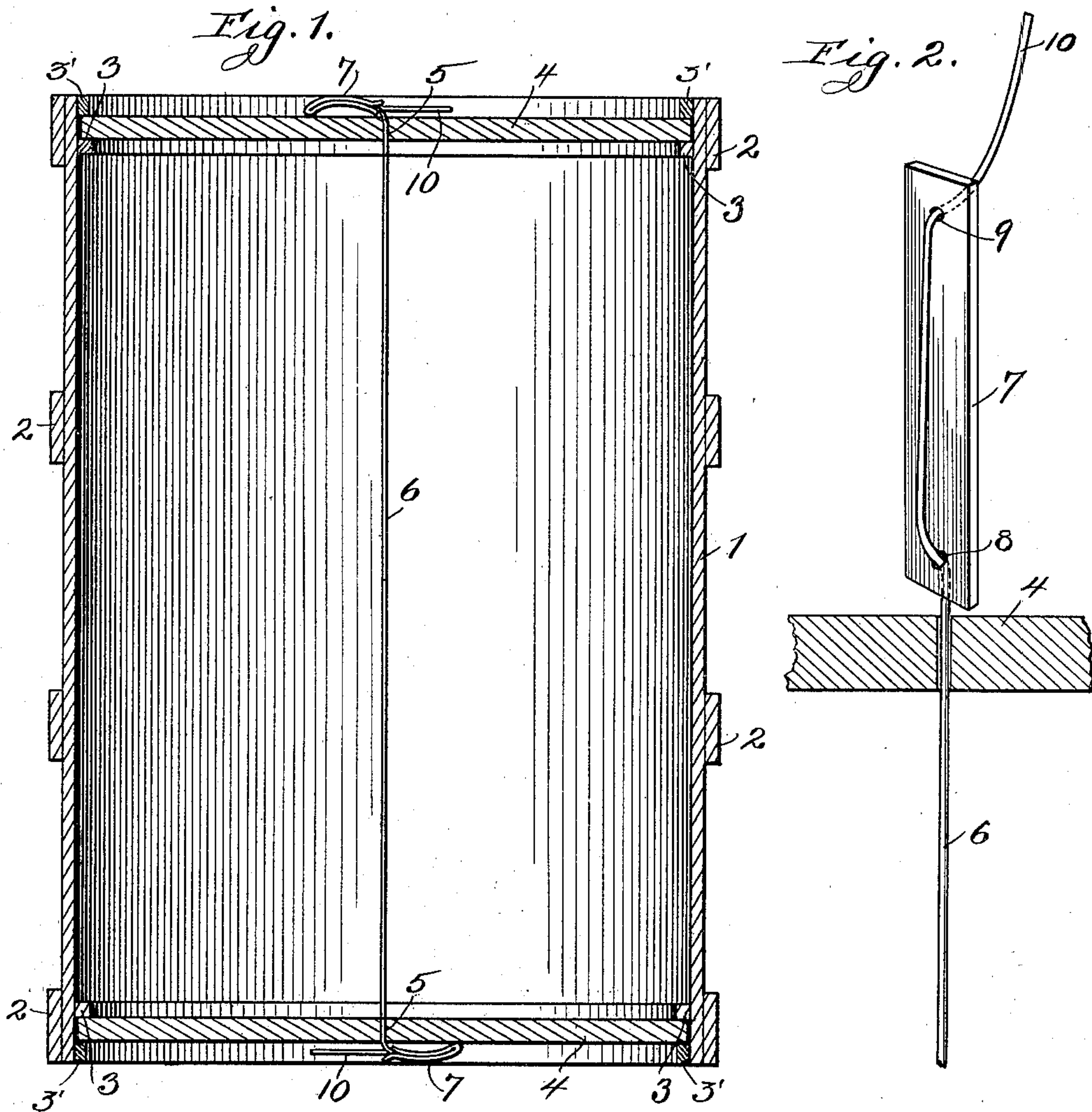
No. 668,251.

Patented Feb. 19, 1901.

G. ANDREWS.
BARREL.

(Application filed Sept. 19, 1900.)

(No Model.)



Witnesses:

R. J. Jaeger,

Glen C. Stephens

Inventor:

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his Atty

UNITED STATES PATENT OFFICE.

GEORGE ANDREWS, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE TOMLINSON
BARREL MACHINE CO., OF SAME PLACE.

BARREL.

SPECIFICATION forming part of Letters Patent No. 668,251, dated February 19, 1901.

Application filed September 19, 1900. Serial No. 30,453. (No model.)

To all whom it may concern:

Be it known that I, GEORGE ANDREWS, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Barrels, of which the following is a specification.

The main object of my invention is to provide simple and efficient means to prevent or guard against the fraudulent refilling of barrels. I accomplish this object by the device shown in the accompanying drawings, in which—

Figure 1 is a vertical section of a barrel and seal constructed according to my invention. Fig. 2 is the same view of part of the barrel-head, showing a perspective view of the sealing-strip and wire after attachment and before same are bent into the form shown in Fig. 1. Fig. 3 is an enlarged perspective view of the sealing-strip and upper end of the wire bent into the form shown in Fig. 1.

The barrel shown in the drawings is such as is commonly known as a "veneer" barrel. The body 1 has the outer hoops 2 and the lining-hoops 3 secured thereto in the usual manner. The heads 4 are secured against the lining-hoops 3. Each head is perforated at 5 to receive the binding member or wire 6. The sealing-strip 7 has therein the perforations 8 and 9. The free end 10 of the wire is first passed through the perforation 8 and then through the perforation 9, as shown in Fig. 2. The sealing-strip 7 is then bent at its middle part into the form shown in Figs. 1 and 3, the wire being bent with same. When bent into this form, a suitable stamp or die is used to make an impression upon the wire and upon the body of the sealing-strip 7. The wire is preferably made of malleable metal, and the sealing-strip is preferably made of lead or other similar soft metal. The impression, such as is indicated by the reference-numeral 11 in Fig. 3, will register across adjoining parts of the wire and sealing-strip.

The operation of the device is as follows: The lower end of the wire will first be attached by passing same through the lower head, as shown in Fig. 1, the same preferably having a seal at its lower end. The wire 6 is

then supported in an upright position while the barrel is being filled. The free end 10 of the wire will then be passed through the perforation 5 in the upper head, when the head will be secured upon the lining-hoop 3 in the usual manner, as by the heading-hoop 3'. The operator will now pass the free end of the wire 10 through the sealing-strip 7, as before described and as illustrated in Fig. 2. The seal will then be bent in the form shown in Fig. 3 and suitably impressed, as before described. To remove either head, it will be seen that the operator must first remove one of the seals. To do this, it will be necessary either to cut the wire 6 or to bend the seal and wire in suitable shape to permit the wire to be withdrawn from the seal. It will be readily understood that if the seal and wire have been once bent to permit such withdrawal the same cannot again be secured together in the form shown in Fig. 3 without giving some evidence of the former removal. My device is particularly adapted for use on barrels for packing cement and similar material.

It will be seen that the construction of the barrel and form of seal shown may be altered without departing from the spirit of my invention. I therefore do not confine myself to the details of construction except as hereinafter limited in the claims.

I am aware that it is old to secure the heads of a barrel to the body by a rod passing through both heads, and also that it is old to pass a wire alternately into and out of perforations of different parts of which a barrel is composed, as shown in patent to Haworth, No. 496,157, of April 25, 1893. I therefore do not claim either of these constructions.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A barrel comprising a body having a removable head at each end, a binding member passing through and stretched between said heads within the body, said binding member being entirely within said body except at its ends, and a sealing member secured to each end of said binding member outside of its respective head, said heads being secured to said body by means independent of said bind-

ing member and said sealing members, said means being removably secured to said body, substantially as described.

2. A barrel comprising a body having a removable head, a binding member located within the body and passing through said head, and a sealing member secured to said binding member outside of the head, said binding member being stretched inwardly of said head and having its opposite end secured to prevent the removal of the head from said body, said binding member being entirely within said body except at its ends, and said head being secured to said body by means independent of said binding member and said sealing member, said means being removably secured to said body, substantially as described.

3. A barrel comprising a body having a removable head, a binding-wire located within said body and passing through said head, said binding-wire having a malleable end outside of the head, and a soft-metal sealing-strip secured to and bent upon itself with said malleable end and having a suitable stamp or impression embedded in said malleable end and sealing-strip and registering across the

adjoining parts of same, said binding-wire being entirely within said body except at its ends and said head being secured to said body by means independent of said binding-wire and said sealing-strip, said means being removably secured to said body, substantially as described.

4. A barrel comprising a body having a removable head at each end, a binding-wire passing centrally through and stretched between said heads within the body, a soft-metal sealing-strip secured to each end of the binding-wire outside of its respective head, and bent upon itself with said binding-wire, said binding-wire being entirely within said body except at its ends, and said heads being secured to said body by means independent of said binding-wire and said sealing-strip, said means being removably secured to said body, substantially as described.

Signed at Chicago, Illinois, this 14th day of September, 1900.

GEORGE ANDREWS.

Witnesses:

V. J. CONE,
R. W. CONDEE.