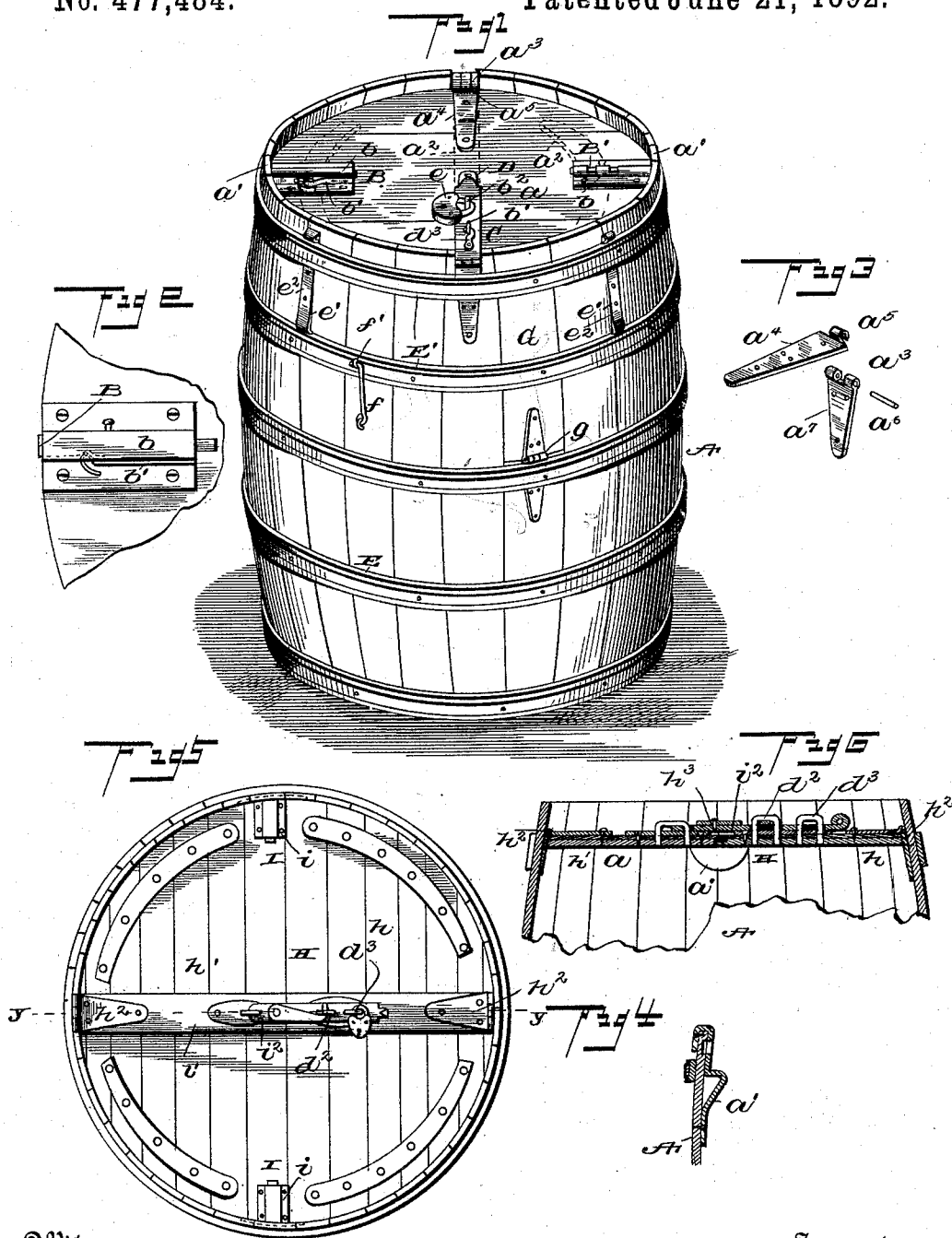


(No Model.)

W. T. AARON.
TOBACCO CASK OR TIERCE.

No. 477,484.

Patented June 21, 1892.



Witnesses

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UNITED STATES PATENT OFFICE.

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TOBACCO CASK OR TIERCE.

SPECIFICATION forming part of Letters Patent No. 477,484, dated June 21, 1892.

Application filed October 21, 1891. Serial No. 409,386. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM THOMAS AARON, a citizen of the United States of America, residing at Callands, in the county of Pittsylvania and State of Virginia, have invented certain new and useful Improvements in Tobacco Casks or Tierces, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to tobacco casks or tierces, and has for its object the provision of new and improved means whereby the head of a tobacco-cask can be securely locked and readily and easily removed without injury thereto, thus making continuous use of the cask or tierce.

A further object is to provide a tobacco-cask which will permit of inspection of the body portion of the tobacco without destroying or injuring the cask.

A further object is to provide a cask which can be readily packed with tobacco to its fullest capacity, the staves being firmly bound or held together after packing.

The invention comprises a cask or tierce having its head pivotally connected thereto and provided with locking-bolts for engaging the cask and a hasp secured to the cask and designed to be locked to the head thereof.

The invention also comprises a tobacco cask or tierce having one of its staves formed in two parts, one of which parts can be turned down to expose to view the central or body portion of the contents of the cask.

The invention also comprises a tobacco cask or tierce having its upper hoop or hoops removably secured in position and firmly held by spring arms or plates, which bear outwardly thereon.

The invention also comprises the detail construction, combination, and arrangement of parts, substantially as hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a plan view of my cask or tierce, showing the head locked. Fig. 2 is a longitudinal sectional view thereof on the line *x x*, Fig. 1. Fig. 3 is a detail view of one of the bolts. Fig. 4 is a view of the hinge detached. Fig. 5 is a

view of a modification. Fig. 6 is a sectional view thereof on the line *y y*, Fig. 5.

Referring to the drawings, A designates a cask or tierce of any suitable size or shape for packing tobacco, and the same is provided with a circular head *a*, which rests upon brackets or angle-plates *a'*, secured to the interior of the cask, near the top thereof. Straight and curved brace-bars *a²* are attached to the inside of the head to add to the strength thereof. This head is connected to cask A by a hinge *a³*, which latter consists of a plate *a⁴*, attached to head *a* and having an outerhooked end *a⁵* engaging a cross-rod *a⁶* of a plate *a⁷*, secured to one of the staves of cask A. When turned back to its full extent, the head can be removed from the cask by disengaging the hooked end of plate *a⁴* from contact with its pivotal cross-rod *a⁶*. To this head are secured two diametrically-opposite bolts B B', movable in keeper-plates *b*, and the same are designed to project into coincident slots or apertures in the brackets or angle-plates *a'* when the head is lowered, and thus hold the latter in place. The bolt B is preferably provided with a spring *b'*, which holds the same extended.

C designates a hasp secured to a cask A, and the same is provided with slots or apertures, so as to fit over staples *b' b²*, secured by a plate D on head *a*. A hook *d³*, pivoted to hasp C, is designed to engage the staple *d'*, while a padlock *e* engages staple *d²*. The lower hoops E, surrounding the staves composing cask A, are rigidly secured to said staves in any suitable manner, while the upper two hoops E' are capable of being readily removed from the cask while the same is being packed or unpacked. In this way the full capacity of the cask is utilized in the packing thereof and the unpacking is greatly facilitated. These upper hoops E' are firmly held in position by a series of springs *e'*, which consist each of a spring-plate *e²*, rigidly secured at its central portion to one of the staves about midway between the points where the hoops are located. This leaves the ends of said plates free and yielding, so that when said ends are covered by the hoops the latter will be firmly held in place. In Fig. 1 I have

shown a slight modification of the means for holding these movable hoops, the same consisting in a hook *f*, pivoted to one of the staves and engaging a staple *f'* of the adjacent hoop.

5 To permit of the thorough inspection of the contents of the cask or tierce, I form one of the staves *G* in two parts or sections, hinged or pivotally connected together at *g*, this point of connection being immediately above
10 the uppermost stationary hoop. When the hoops *E'* are moved, as they may be by means of the construction outlined, the upper part or section of staff *G* can be turned back on its hinge or pivot, and thus expose to view
15 the contents of the cask down to the central or body portion of the latter.

In practice the head of the cask and the upper two hoops are removed while the cask is being packed with tobacco. When this is
20 completed, the hoops *E'* are forced into place, thus binding the staves together, and, the parts of the hinge of the head being connected, said head is closed down, so that it will rest upon brackets or plates *a'*, and after the bolts
25 *b b'* enter their respective slots or apertures in the cask the hasp is locked in place.

The advantages of my invention are apparent to those skilled in the art, and it will be
30 described is capable of continuous use, and it is not necessary to destroy the same to obtain an inspection of the body portion of the contents, as now occurs. The cask is strong, lasting, and durable and is inexpensive and
35 free from all complication.

The form of cask above described is preferably employed for shipping tobacco in large quantities.

In Figs. 5 and 6 I have shown the form of
40 mechanism employed in connection with casks used for packing and shipping a small amount of tobacco. The difference between the two forms consists, mainly, in the construction of the head. In this modified cask the head *H*
45 is composed of two sections *h h'*, the sections being connected to the barrel by a hinge *h²*. The section *h'* is provided with an overlapping flange *h³*, and to this section are secured two bolts *I*, movable in keeper-plates *i*. To a brace
50 *i'* of section *h'* is secured a hasp *i²*, provided with slots or apertures to permit the hasp to

fit over the staples *d² d³* of section *h*. This hasp and its adjuncts are the counterpart of the hasp *C* first above described.

I claim as my invention—

1. The herein-described improved tobacco
cask or tierce, having inner brackets or plates
secured thereto and provided with slots, the
head pivotally and removably connected to
said cask or tierce and supported by said
brackets or plates, locking-bolts attached to
said head and designed to enter said slots,
and a hasp pivoted to said cask and designed
to be locked to said head, substantially as set
forth. 55 60 65

2. A tobacco cask or tierce having one of
its staves provided with a pivoted part or section capable of being moved outward to permit of inspection of the central or body portion of the contents of the cask, as set forth. 70

3. A tobacco cask or tierce having one of
its staves formed in two parts or sections pivotally connected together, the upper part or section being capable of outward movement, and the hoops for holding said latter section
75 closed, substantially as set forth.

4. The herein-described improved tobacco
cask or tierce, composed of a series of staves,
a lower series of rigid hoops, two upper removable hoops, and spring-plates secured to
80 said staves and having their free ends covered by said hoops, substantially as set forth.

5. The combination, with the cask or tierce composed of a series of staves, one of which
85 staves is provided with an upper pivoted or movable part or section, of the lower series of rigid hoops encircling said staves, two upper movable hoops also encircling said staves, spring-plates secured to some of said staves and having free ends designed to bind against
90 said removable hoops, and the head pivotally secured to said cask or tierce and having bolts entering slots or apertures in said cask or tierce, and a hoop pivotally secured to said
95 cask or tierce and designed to be locked to said head, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM THOMAS AARON.

Witnesses:

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