

(No Model.)

W. MEARS.

PULP BARREL.

No. 307,486.

Patented Nov. 4, 1884.

Fig. 1.

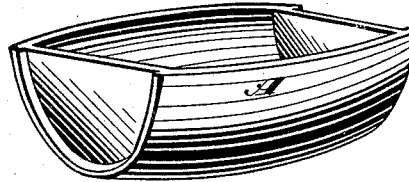


Fig. 5.

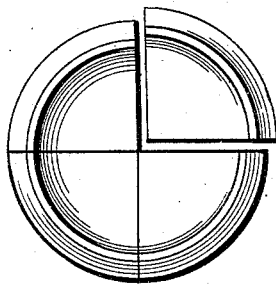


Fig. 4.

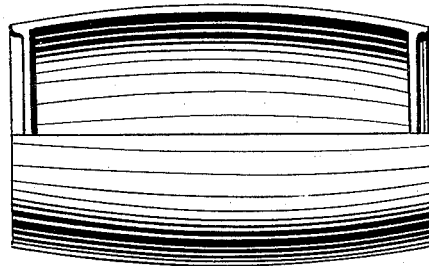


Fig. 3.

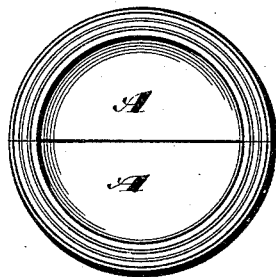
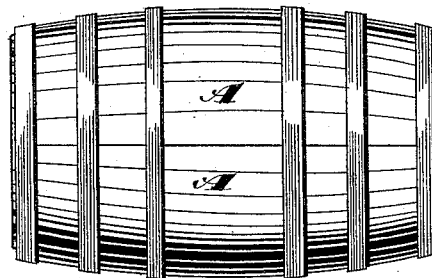


Fig. 2.



WITNESSES

Wm M Monroe,
George Waite.

William Mears INVENTOR
By Thos B Hall
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM MEARS, OF CLEVELAND, ASSIGNOR TO THE MEARS PULP BARREL COMPANY, OF BEREA, OHIO.

PULP BARREL.

SPECIFICATION forming part of Letters Patent No. 307,486, dated November 4, 1884.

Application filed February 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM MEARS, a citizen of the United States, residing at Cleveland, county of Cuyahoga, and State of Ohio, have invented certain new and useful Improvements in Pulp Barrels; and I do hereby declare the following to be a description of the same and of the manner of constructing and using the invention in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it appertains to construct and use the same, reference being had to the accompanying drawings, forming a part of the specification, the principle of the invention being herein explained and the best mode in which I have contemplated applying that principle, so as to distinguish it from other inventions.

Heretofore pulp barrels have been made in longitudinal body-sections, with their heads formed independent thereof. Such construction is objectionable for the following reasons: First, the joint between the body and the head, and which is subjected to great strain in use, is of necessity weak; second, this joint is liable to leak; third, in manufacturing, the body and heads require independent operations, and in putting the barrels up time is consumed in fitting in the heads.

The object of my invention is to obviate the above disadvantages in a pulp barrel; and to this end it consists of a barrel formed in two or more longitudinal sections, each section having portions of the heads formed integral therewith.

Referring to the drawings, which show certain forms of the principle of my invention, Figure 1 is a perspective of one half-section. Fig. 2 is a side elevation, and Fig. 3 an end elevation, of the barrel having two such sections united. Fig. 4 is a view, partly in section and partly in side elevation, of a barrel having four sections. Fig. 5 shows the said four sections in end view.

Each half A of the barrel is formed by the combined operation of a male and female mold, said molds being of such form as to make half of each of the two barrel-heads B in single piece with the half of the barrel-body. The two

halves of the barrel may be united in any suitable way, such as by hoops, cement, and other means. My preferable form of construction is to make only two longitudinal sections; but I may make any number of sections, and I have shown in Figs. 4 and 5 a barrel having four sections.

It is apparent that in manufacturing my barrel each longitudinal body-section has its corresponding portions of the two heads formed simultaneously therewith, thereby economizing time and labor; also, that in putting up a barrel the work is much less than if two independent heads had to be set in, as heretofore. As there is no joint between the body and the heads, all tendency to leak at this point is correspondingly obviated, and also this portion of the barrel is rendered strong and capable of resisting the strain imposed thereon in use.

In the practical manufacture of my barrel, I contemplate using pulp exclusively as the material from which to form it; yet strawboard, paper layers, or other material, if made into a sectional barrel of the construction herein set forth, is embraced by my invention.

Other forms of embodying and using the principle of my invention may be employed in substitution for the specific form herein shown. It will therefore be understood that omissions, substitutions, and changes may be made as regards the forms and parts herein set forth, provided the principles of construction embraced in the following claim are retained and employed.

I therefore particularly point out and distinctly claim as my invention—

A barrel formed in two or more longitudinal sections, each section having head portions integral with the body portion, substantially as set forth.

In testimony that I claim the foregoing to be my invention I have hereunto set my hand this 7th day of February, A. D. 1884.

WILLIAM MEARS.

Witnesses:

THOS. B. HALL,
JNO. G. HALL.