(12) **United States Patent**
Treadwell

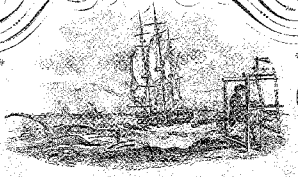
(10) **Patent No.: X7997**
(45) **Date of Patent: Feb. 5, 1834**

(54) **IMPROVEMENT IN THE ART OF ROPE MAKING CALLED AN IRON TAIL**

(76) Inventor: **Daniel Treadwell**

HUG 1847505PF
1830's

The United States of America



TO ALL TO WHOM THESE LETTERS PATENT SHALL COME:

Whereas [illegible]

a citizen of the United States, hath alleged that he has invented a new and useful improvement

in the art of [illegible]

which improvement he states has not been known or used before his application; hath made oath that he does verily believe that he is the true inventor or discoverer of the said improvement; hath paid into the treasury of the United States the sum of thirty dollars, delivered a receipt for the same, and presented a petition to the Secretary of State, signifying a desire of obtaining an exclusive property in the said improvement, and praying that a patent may be granted for that purpose. These are therefore to grant, according to law, to the said [illegible] his heirs, administrators or assigns, for the term of fourteen years from the [illegible] day of [illegible] one thousand eight hundred and [illegible] the full and exclusive right and liberty of making, constructing, using and vending to others to be used, the said improvement, a description whereof is given in the words of the said [illegible] himself in the schedule hereto annexed, and is made a part of these presents.

In Testimony whereof, I have caused these Letters to be made Patent and the Seal of the United States to be hereunto affixed.

GIVEN under my hand, at the City of Washington, this [illegible] day of [illegible] in the year of our Lord one thousand eight hundred and [illegible] and of the independence of the United States of America the fifty eighth.

[illegible]

BY THE PRESIDENT,

[illegible] Secretary of State.

[illegible] City of Washington, TO WIT:

I DO HEREBY CERTIFY, That the foregoing Letters Patent were delivered to me on the fifth day of [illegible] in the year of our Lord one thousand eight hundred and [illegible] to be examined; that I have examined the same, and find them conformable to law; and I do hereby return the same to the Secretary of State, within fifteen days from the date aforesaid, with this [illegible] day of [illegible] in the year aforesaid.

[illegible]

Attorney General of the United States

The Schedule referred to in these Letters Patent, and making part of the same containing a description in the words of the said Daniel Treadwell himself of his Improvement in Iron Rail Road Bars called an "Iron Rail"

Be it known that I Daniel Treadwell of Boston in the County of Suffolk and Commonwealth of Massachusetts Engineer have invented a certain useful machine or instrument in the manufacture of railway bars which machine or instrument is called an "iron rail" This iron rail is a substitute for the common rope rail so called used in railway making the use & object of which is well known to all persons who are skilled in such business. A complete drawings of the iron rail for which a patent is now craved and hereto annexed are hereby declared to make a part of this specification.

Fig 1 represents a view in front. Fig 2 a plan. Fig 3 a section

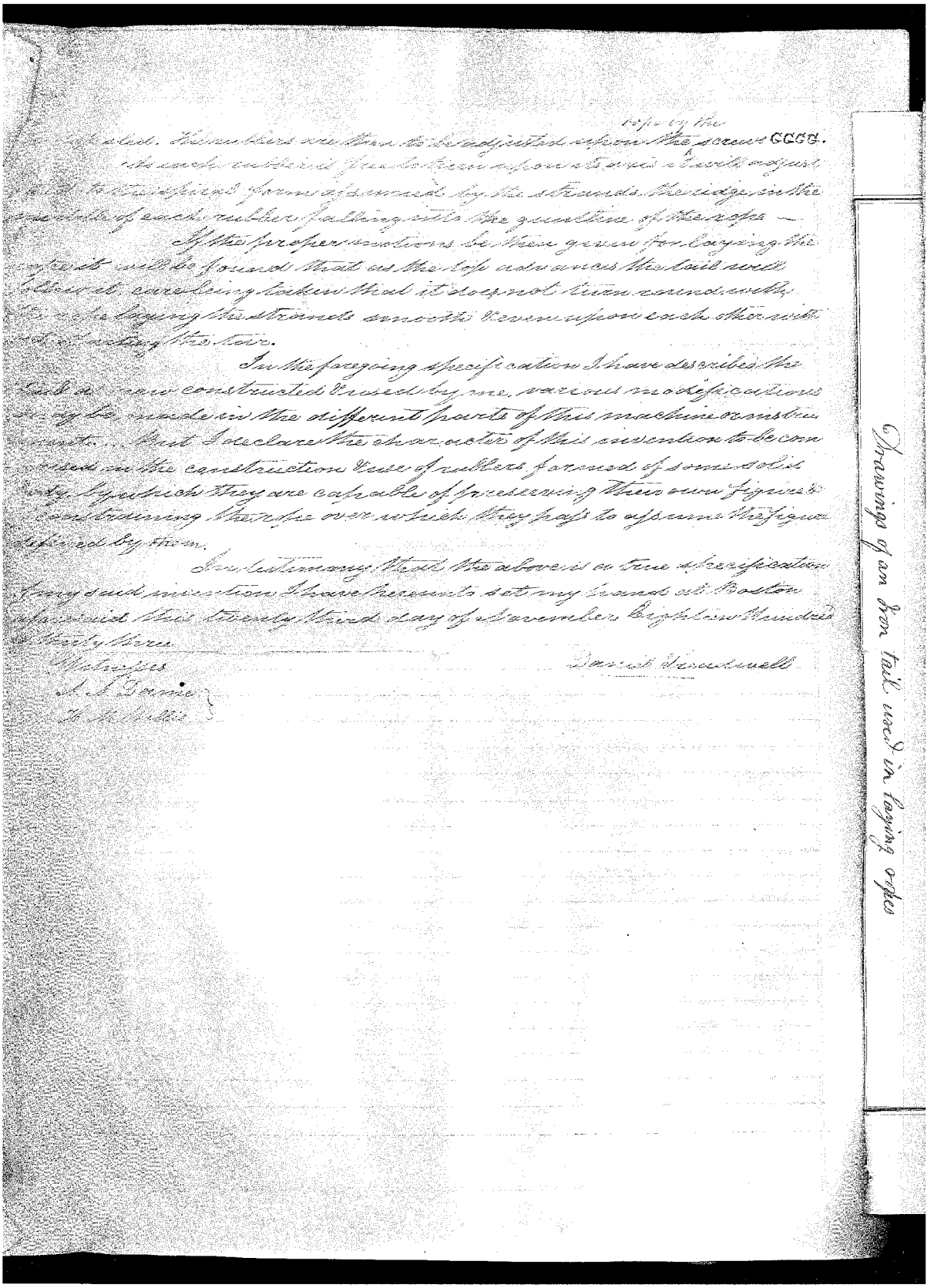
The same letters refer to the same part in all the figures

The drawings are for a rail to make a four stranded rope

A A is a disk of wood or iron drawing which at the circumference

B B Four blocks C C C C are screwed or bolted on the side of the disk A A. Four cylindrical holes pass from the centre or thereof of the disk A A to the circumference one half of each hole leaving forming in the circumference of the disk A A the curves standing the iron in the blocks C C. Two rope holes are passed four times round solid cylinders D D D D called rubbers. Parts of each of these rubbers project beyond the ends of the disk as fashioned into a thread representing fractions of a circle as drawn at Figs. where E E E E represent a section of four strands of a rope manufactured by any machine and by which the rail being covered by these four strands D D D D,

F E E F are rings fixed to the blocks C C C C drawing round G G G G passing thro' these middles for the purpose of adjusting the tension upon the ropes. H H are cotter holes thro' which pins are passed for the purpose of confining the rail at a proper distance from the top. The method of using the iron rail is as follows. Having ascertained the strands of which the rope is to be formed the ends of which they lay is to be commenced are to be passed thro' the disk between the ends of the rubbers. The top being thus put on at a distance as may from time to time be found necessary the rope is then to be secured at one end to a post or [illegible]



Drawings of an Iron tackle used in Logging Poles

Figure 1

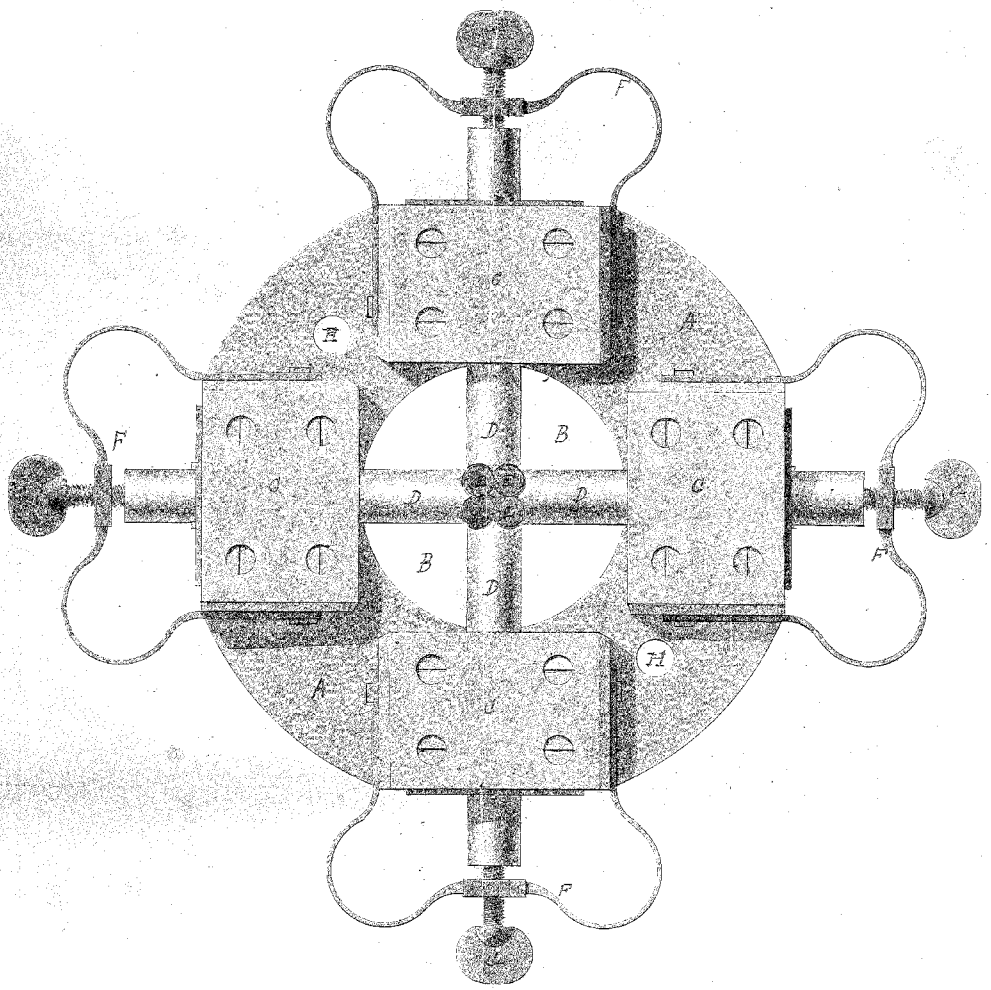


Figure 2

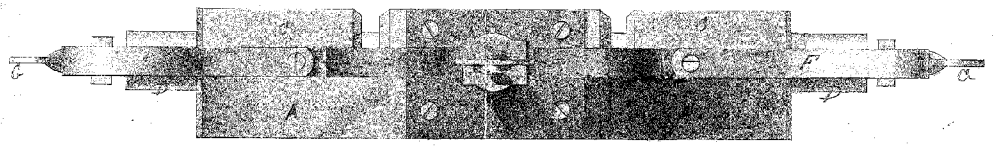


Figure 3

