

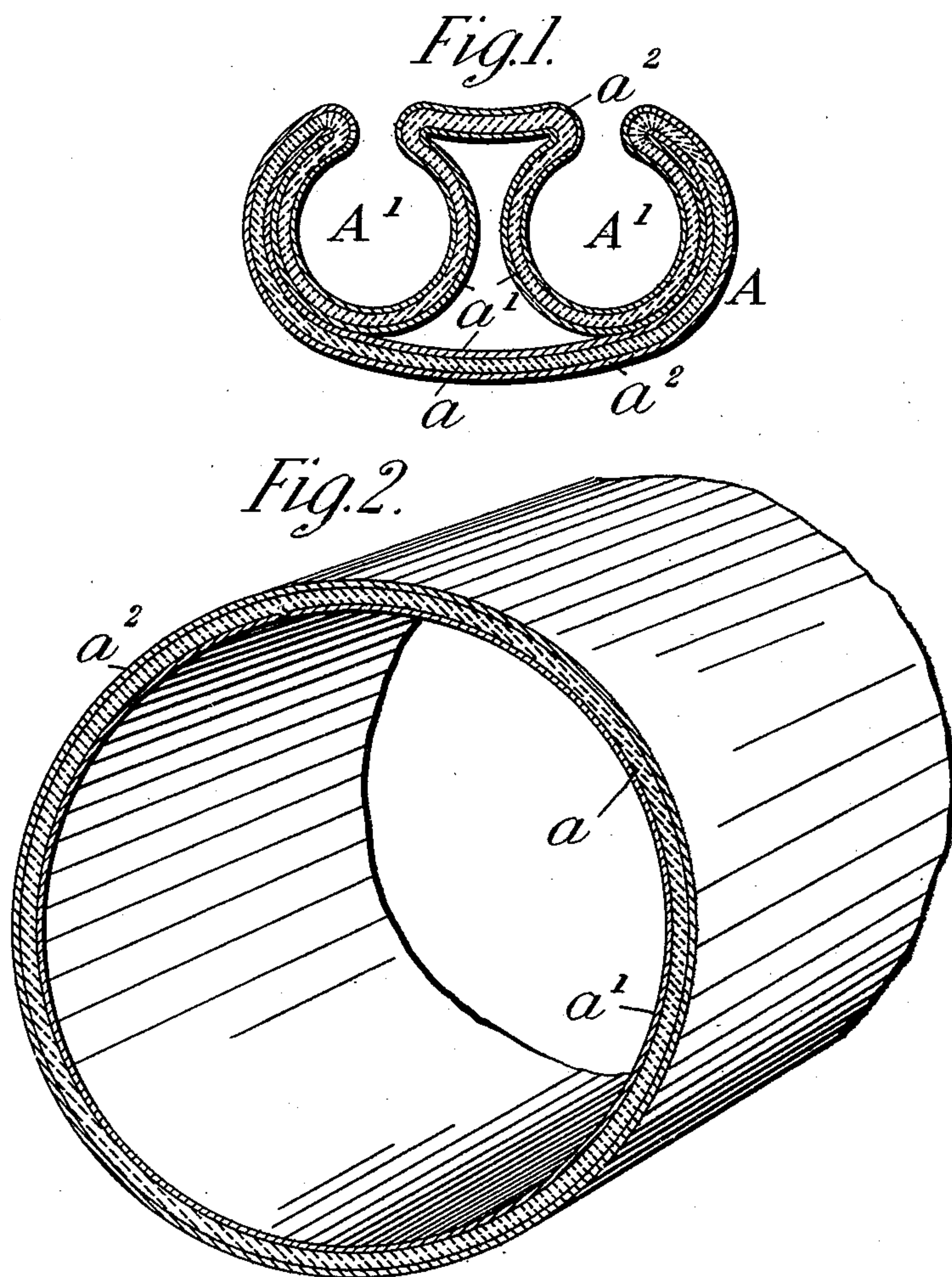
No. 613,674.

Patented Nov. 8, 1898.

J. C. GRANT.
RIM FOR CYCLE OR OTHER ROAD WHEELS.

(Application filed Jan. 26, 1897.)

(No Model.)



Witnesses

H. M. Corum

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Inventor

John Cameron Grant

by Bertie W. Russell
his attys.

UNITED STATES PATENT OFFICE.

JOHN CAMERON GRANT, OF LONDON, ENGLAND.

RIM FOR CYCLE OR OTHER ROAD WHEELS.

SPECIFICATION forming part of Letters Patent No. 613,674, dated November 8, 1898.

Application filed January 26, 1897. Serial No. 620,782. (No model.)

To all whom it may concern:

Be it known that I, JOHN CAMERON GRANT, a citizen of England, residing at Albert Lodge, Albert Place, Kensington, London, in the
5 county of Middlesex, England, have invented certain new and useful Improvements in Rims or Fellies for Cycle or other Road Wheels, of which the following is a specification.

My invention has for its object the construction of a rim or felly for cycle and other road wheels that shall possess great lightness, combined with strength, toughness, and elasticity. For this purpose I construct such
10 rims of the combination of an inner body or core made of paper-pulp or papier-mâché, preferably formed of rhea fiber, (such as
15 *Bohemeria nivea*,) and an outer covering of a woven fabric, preferably formed of rhea fiber, which is cemented to the paper core,
20 the whole being subjected to compression in suitable molds. By this means an exceedingly strong, tough, and yet light rim is produced. Such rims may be made of any configuration employed in the manufacture of
25 cycle and other road wheels.

Figure 1 is a cross-section of a rim, showing one form of my invention; and Fig. 2 is a partial perspective view of the tube before it is compressed into form.

30 In Fig. 1 I show a rim constructed in accord-

ance with my invention and shaped to receive a tire such as set forth in my copending application, Serial No. 620,778, filed January 26, 1897, wherein two auxiliary pneumatic tubes
35 are introduced and expanded in the tubular channels A' of the rim A. This consists of the core *a*, of paper material, preferably of rhea fiber, and an internal and external covering *a'* *a''*, of woven fabric, preferably of
40 "rhea-duck." This rim is in the first instance made of the tubular form shown at Fig. 2, which after being subjected to the required degree of compression is bent in molds, so as to assume the form at Fig. 1.

Having thus described the nature of this
45 invention and the best means I know of carrying the same into practical effect, I claim—

A wheel-rim consisting of a tube composed of paper material having an inner and outer layer of woven fabric, said tube being com-
50 pressed and collapsed into the desired form; substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 12th day of
55 January, A. D. 1897.

JOHN CAMERON GRANT.

Witnesses:

OLIVER IMRAY,

JNO. P. M. MILLARD.