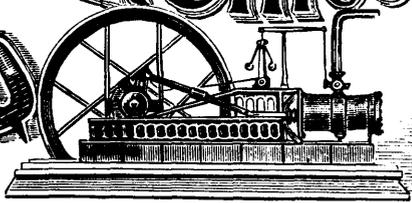


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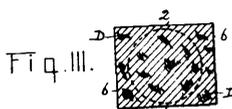
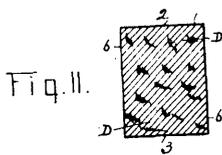
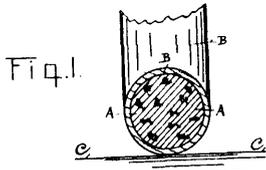
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INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 69,564. **Bicycle Tire.** (*Bandage de bicycles.*)

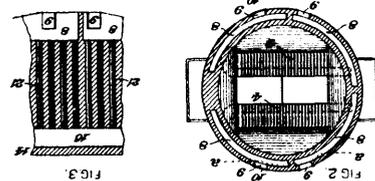
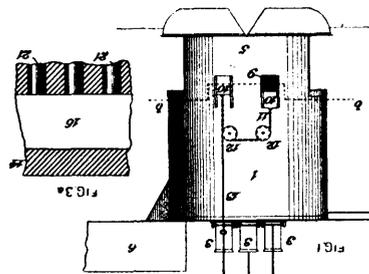


69564

Ben Broughton, Hamilton, Ontario, Canada, 3rd December, 1900; 6 years.—(Filed 27th August, 1900.)

Claim.—1st. A tire consisting of a cork core, said core having undergone a process of kneading or pounding of the upper and base parts thereof, to give inherent resiliency to the core, a rubber covering surrounding said core, and said covering vulcanized on the core, as described. 2nd. In a tire, cork kneaded or pounded on the upper and base parts thereof, a core shaped from said cork, the base of the core being the kneaded and pounded parts of the cork to give inherent resiliency to the core, a rubber covering surrounding the core and said covering vulcanized on the core, as described. 3rd. A tire comprising cork, said cork kneaded and pounded on the upper and base parts thereof, a core shaped from said cork, the base part of said core being the kneaded and pounded part of said cork to give inherent resiliency to the core, a rubber covering surrounding said core, and said covering vulcanized on the core, as described.

No. 69,565. **Gas Producer.** (*Appareil à gaz.*)



William Swindle, Allegheny, Pennsylvania, U.S.A., [3rd December, 1900; 6 years. (Filed 3rd August, 1900.)

Claim.—1st. The combination, in a gas producer, of a gas generating chamber, and an annular series of vertical air heating pipes built into the wall of and surrounding the generating chamber. 2nd. The combination, in a gas producer, of a gas generating chamber, a lower air receiving chamber and an upper air discharge chamber each formed in the wall of the producer, and a plurality of air heating pipes built into the wall of the gas generating chamber and connecting the air receiving and air discharge chambers. 3rd. The combination, in a gas producer, of a gas generating chamber, separate independent air receiving chambers formed in the lower portion of the producer wall, an upper air discharge chamber in the wall, and a plurality of air heating pipes built into the wall of the gas generating chamber and connecting the air receiving and discharge chambers. 4th. The combination, in a gas producer, of a gas generating chamber, separate independent air receiving chambers formed in the lower portion of the producer wall, an air discharge chamber located in the upper portion of the producer wall and divided into independent compartments, a plurality of air heating pipes built into the wall of the gas generating chamber and connecting the air receiving and discharge chambers, and means for regulating air supply from the air receiving chambers to either compartment of the air discharge chamber. 5th. The combination, in a gas producer, of a gas generating chamber, a gas discharge flue leading therefrom, an air receiving chamber formed in the lower portion of the wall of the producer, a valve controlled air supply port or opening in said chamber, an air discharge chamber formed in the upper portion of the wall of the producer, air discharge flues leading therefrom on opposite sides of the gas discharge flue, and a plurality of air heating pipes built into the wall of the gas generating chamber and connecting the air receiving and discharge chambers.