(No Model.)

R. B. PARKER.

SPINDLE LUBRICATOR.

No. 472,269. Patented Apr. 5, 1892.

Fig. 1

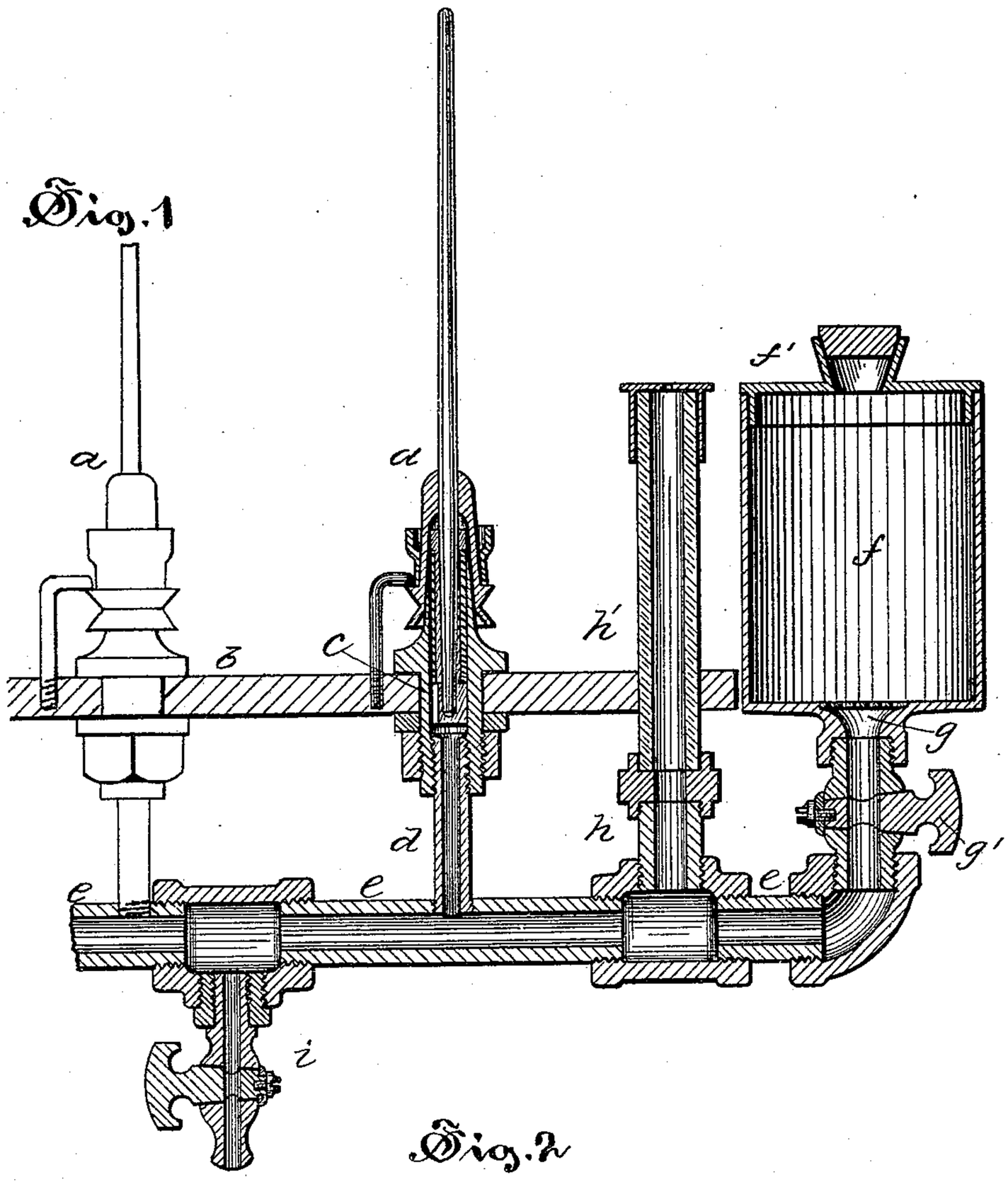
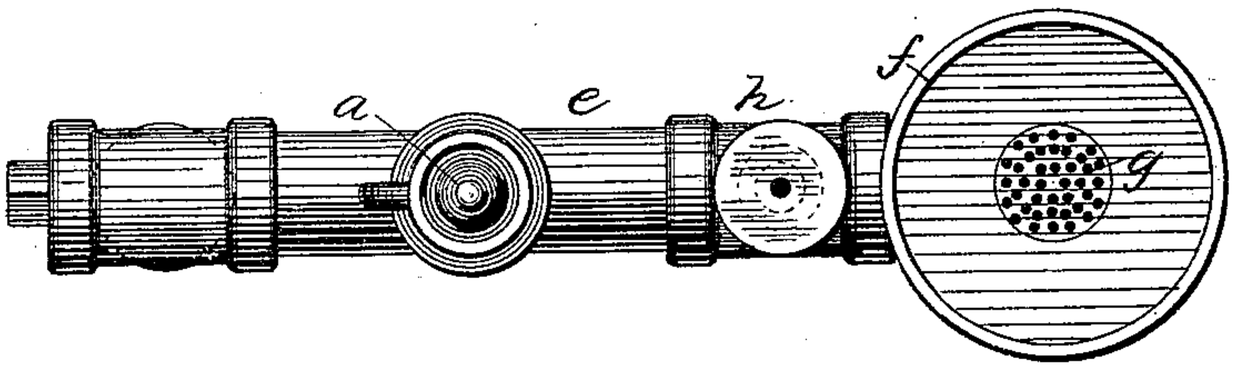


Fig. 2



Witnesses:

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UNITED STATES PATENT OFFICE.

RIENZI B. PARKER, OF VERNON, CONNECTICUT.

SPINDLE-LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 472,269, dated April 5, 1892.

Application filed July 16, 1890. Serial No. 358,938. (No model.)

To all whom it may concern:

Be it known that I, RIENZI B. PARKER, of Vernon, in the county of Tolland and State of Connecticut, have invented certain new and useful Improvements in Spindle-Lubricators, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

The object of my invention is to provide an apparatus by means of which all of the spindles on a spinning or double frame or like machine may be supplied with oil from a common source of supply, the whole being arranged so that the actual condition of the frame, so far as the lubrication of the spindles is concerned, may be ascertained at a glance by the foreman or overseer.

My invention consists in the combination of the several parts making up the apparatus as a whole, as more particularly hereinafter described, and pointed out in the claims.

Referring to the drawings, Figure 1 is a view in vertical central section of the rail of a spinning-frame and the attached oiling device. Fig. 2 is a top view of the same with the cover of the oil-reservoir removed.

In the accompanying drawings, the letter *a* denotes a spindle that may be of any ordinary construction, such as is used on a spinning-frame; *b*, the spindle-rail in which the spindle is supported, and *c* the hollow spindle-bearing. In the lower end of this spindle-bearing is attached a pipe *d*, that communicates with the oil-supply pipe *e*, that extends along the whole length of the frame, preferably directly below the spindle-bearings. At one end of this oil-supply pipe there is connected at a suitable height above the rail an oil-reservoir *f*, provided with a cover *f'* and at the bottom an outlet *g*, in which there is preferably arranged a stop-cock *g'*. At a convenient point in the line of the oil-supply pipe, and preferably adjacent to the reservoir, there is provided a standing pipe *h*, a portion of which—that above the level of the rail *b*—is of glass, and this stand pipe rises directly from the oil-supply pipe, with which it communicates. There is a strainer arranged in the bottom of the oil-reservoir, and for convenience a short spout is provided in the cover, through which oil, if required, may be poured into the reservoir without removing the cover, but by simply taking a plug out of the spout. This means of access is also provided with a screen.

At a convenient place, preferably the lowest point or at the extreme end in the length of the oil-supply pipe, there is provided a blow-off cock *i*, through which the pipe may be drained either for purposes of cleaning or for taking down the frame or a spindle for repairs.

The operation of my apparatus is as follows: The parts having been connected up substantially as represented in the dawings, oil is poured into the reservoir, from which it flows into the oil-supply pipe, filling the same and rising therefrom into the spindle-bearings to a height determined by the height of the body of oil in the reservoir, and this usually to a level that insures the perfect lubrication of the spindle. The level at which the oil stands can be determined at a glance from the sight-glass *h'*, that forms the upper part of the stand-pipe.

I claim as my invention—

1. In combination with a series of spindle-bearings, an oil-reservoir, an oil-supply pipe leading therefrom and having tubular connections with the several spindle-bearings, and the sight-glass located on the supply-pipe and rising to a height above the level of the spindle-bearings, all substantially as described.

2. In combination with a spindle-rail, a plural number of spindles with appurtenant spindle-bearings, an oil-reservoir located above the level of the rail and supplied with a strainer, the oil-supply pipe leading from the oil-reservoir and extending below the level of the spindle-bearings and the oil-supply pipe, the sight-glass rising from the oil-supply tube and projecting above the level of the spindle-bearings, the stop-cock in the oil-supply tube, and the blow-off cock, all substantially as described.

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Witnesses:

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