No. 644,974. Patented Mar. 6, 1900.

W. FROST.

HOLDER FOR PACKING OF SCUTCHER DRUMS.

(Application filed Sept. 24, 1897.)

(No Model.)

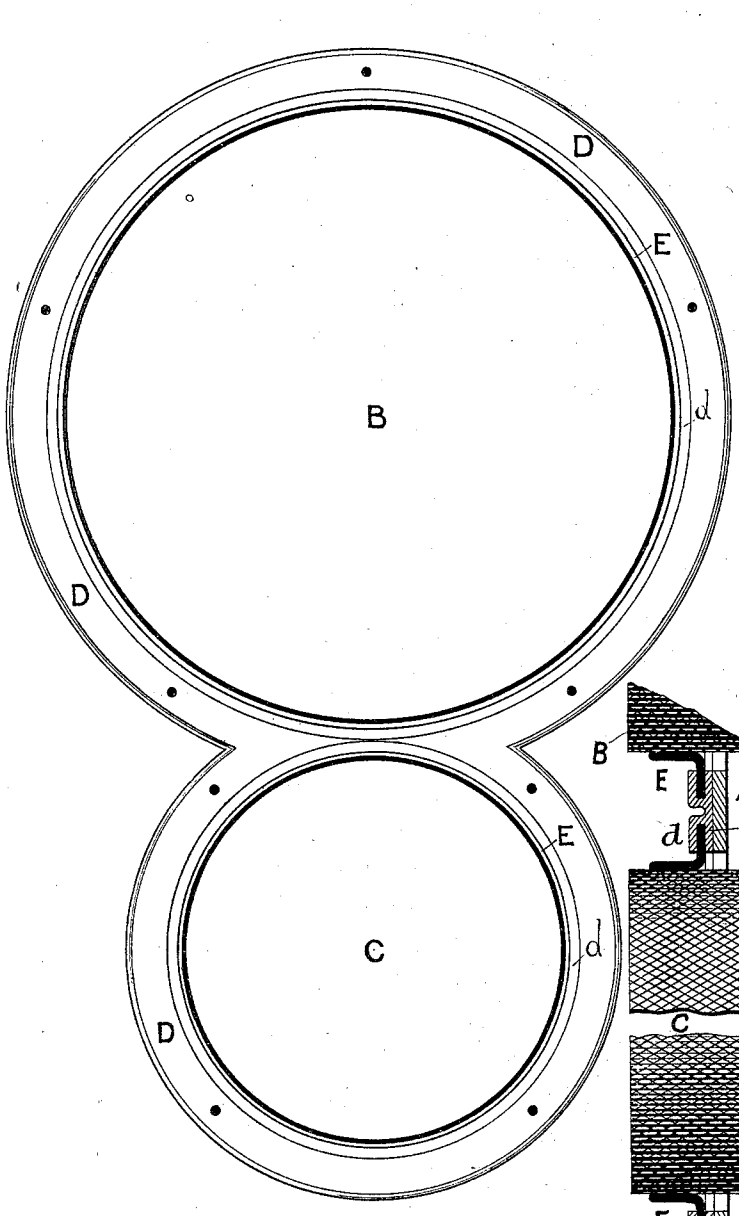


FIG. 2.

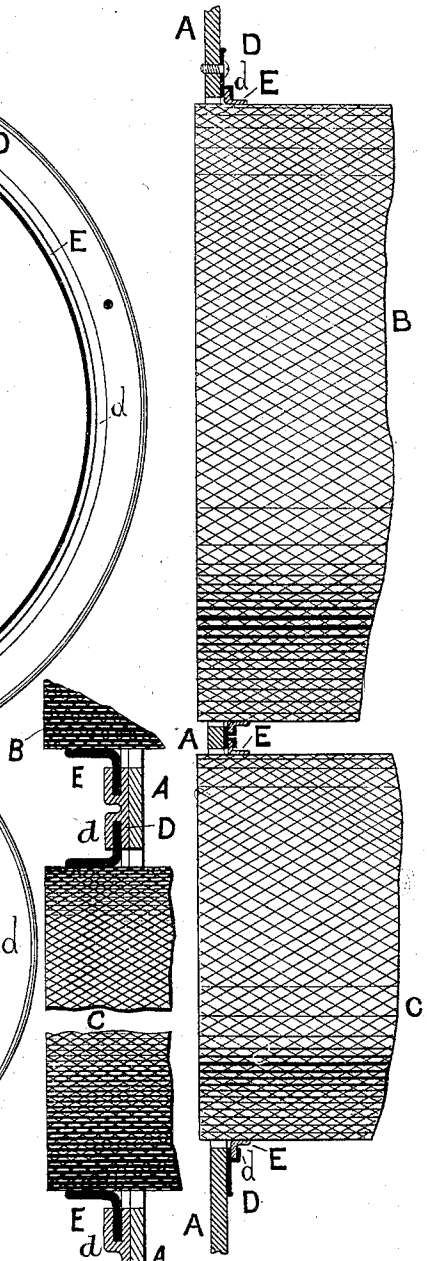


FIG. 3. FIG. 1.

WITNESSES.

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WALTER FROST, OF MANCHESTER, ENGLAND, ASSIGNOR TO SAMUEL HERBERT BROOKS AND FREDERICK GEORGE GOODBEHERE, OF SAME PLACE.

HOLDER FOR PACKING OF SCUTCHER-DRUMS.

SPECIFICATION forming part of Letters Patent No. 644,974, dated March 6, 1900.

Application filed September 24, 1897. Serial No. 652,932. (No model.)

To all whom it may concern:

Be it known that I, WALTER FROST, a subject of the Queen of Great Britain, residing at Manchester, in the county of Lancaster, England, have invented a certain new and useful Improved Holder for the Lining or Packing of the Perforated Drums of Scutchers, of which the following is a specification.

This invention relates to the perforated drums or cages used in opening and scutching machines to prevent air escaping around the edges thereof. It will be fully described, with reference to the accompanying drawings.

Figure 1 is a side elevation of part of a perforated drum or cage, with the frame A and annular plate or holder D in section. Fig. 2 is a transverse sectional elevation of drums, showing the annular plate D in position around them. Fig. 3 is a sectional elevation showing the annular holder placed inside the air-flue.

To the side framing A of the machine is affixed at each end of the perforated drums B and C an annular plate or holder D for the purpose of securing in position the leather strips E, by which the air is prevented escaping around the edges of the drums. At present I prefer to make the annular plate D of sheet metal, with a flange *d*, forming a recess to receive the leather E, and which is pressed down upon and firmly grips the edges. The annular plate D is then affixed to the side A of the scutcher by screws or bolts. (See Figs. 1 and 2.)

The annular metal plate or holder D is preferably affixed to the side frame A inside the machine; but, if found desirable, it may be affixed at the other side of the frame A inside the air-flue, the end of the cage projecting sufficiently far through the framing to engage the leather strip E, as in Fig. 3. The application of this annular plate or holder obviates the drilling or plugging of a great number of holes in the side framing and the use of tacks or nails to secure the leathers and renders the removal and replacement of the leathers more easy.

What I claim as my invention, and desire to protect by Letters Patent, is—

In a cotton opener or scutcher the combination with the framing A, the perforated exhaust-drums B and C by which the dust is drawn from the fibers, and the strips of leather E for preventing escape of air around the peripheral edges thereof, of the annular metallic holders D placed around the peripheral edges of the drums and removably attached to the framing, and the flange *d* thereon forming a recess to receive and clamp the said leather strip E in position substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 13th day of September, 1897.

WALTER FROST.

Witnesses:
J. OWDEN O'BRIEN,
HARRY BARNFATHER.