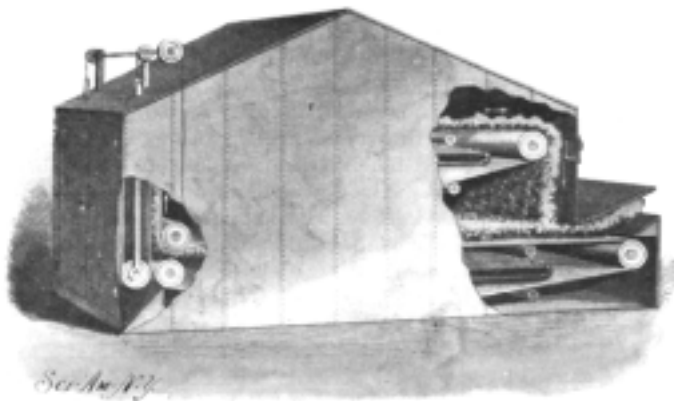


**AN EFFICIENT WOOL-DRIER.**

The wool-drier which we illustrate is, in general, characterized by a casing in which a series of endless carriers or aprons are arranged mounted on rollers, the casing being heated by steam pipes, so that the wool, in circulating, is dried by the action of the radiating heat. The apparatus is the invention of James W. Spencer, of Olneyville, R. I.

The casing of the apparatus has a projecting lower portion provided with a feed orifice, which may be closed by a hinged cover. An endless apron, with two horizontal runs, is mounted in the lower portion of the casing and extends beneath the feed orifice. A second endless apron is mounted in the casing above the first apron, and has three runs, one extending upwardly from the first apron, another extending horizontally, and a third extending diagonally between the first and

**SPENCER'S WOOL-DRIER.**

second runs. At the rear of the casing a third endless apron is vertically mounted and passes in close proximity to the vertical run of the second apron. This third apron is so mounted that it may be raised or swung aside to permit the discharge of the wool through a door in the casing. Steam-heating pipes are horizontally placed between the runs of the first and second aprons. An observation opening is cut in the casing above the forwardly projecting portion.

In operation, the wool is fed through the proper orifice, until the machine is sufficiently charged. The cover is then closed. The wool passes along the top run of the lower apron, up between the vertical run of the second apron and the front run of the third apron, then forward on the horizontal run of the second apron, to fall back upon the lower apron, whence it is carried rearward again. The operation is repeated until the wool has been sufficiently dried. The wool is then discharged by opening the door in the rear and swinging the apron aside.