No. 782,967. Patented February 21, 1905.

UNITED STATES PATENT OFFICE.

VICTOR KINON, OF AIX-LA-CHAPELLE, GERMANY.

PROCESS OF BENDING PLATE-GLASS.

SPECIFICATION forming part of Letters Patent No. 782,967, dated February 21, 1905.

Application filed October 22, 1904. Serial No. 229,572.

To all whom it may concern:

Be it known that I, VICTOR KINON, looking-glass manufacturer, a subject of the King of Prussia, Emperor of Germany, residing at No. 19 Johanniterstrasse, Aix-la-Chapelle, in the Kingdom of Prussia, Empire of Germany, have invented certain new and useful Improvements in Processes of Bending Plate-Glass; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My present invention relates to a process for bending sheets of glass, and particularly plate-glass; and the object in view is to bend two or more sheets of plate-glass at one operation upon a suitably-shaped form-block without running any risk of marring the polished surfaces of the individual sheets by having them adhere to each other or to get discolored, as hitherto it has been the case.

Preparatively to putting my process into practice a suitably-shaped form-block, as employed for bending single sheets of glass, is built up in the bending-furnace and covered with a layer consisting of asbestos flour and asbestos fibers. A desired number of sheets of plate-glass to be bent are then arranged upon each other, and between each two of them a thin layer of asbestos flour is placed to keep their adjacent polished surfaces from contacting with each other, and after having placed the sheets of plate-glass thus thoroughly and evenly separated from each other in the desired position upon said form-block they are heated until they have been softened sufficiently, whereupon they are bent simultaneously over said form-block until they have attained the required shape. As soon as the bent sheets of plate-glass have attained a sufficiently low temperature they are removed, and it will be found that their polished surfaces have not been marred during the bending process.

I claim—

1. A process for bending plate-glass consisting in arranging sheets of plate-glass upon each other and keeping their surfaces apart by a layer of a powdery heat-resisting substance, placing them into position upon a form-block of the required shape, then heating the sheets of plate-glass thus separated from each other until sufficiently softened, and finally bending said sheets of plate-glass simultaneously over said form-block into the desired shape, substantially as described.

2. A process for bending plate-glass consisting in arranging sheets of plate-glass upon each other and keeping their surfaces apart by a layer of asbestos flour, placing them in the required position upon a form-block of the required shape, then heating the sheets of plate-glass thus separated from each other until sufficiently softened, and finally bending said sheets of plate-glass simultaneously over said form-block into the desired shape, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

VICTOR KINON.

Witnesses:
HENRY QUADFLIEG,
GERARD VELLERS.