

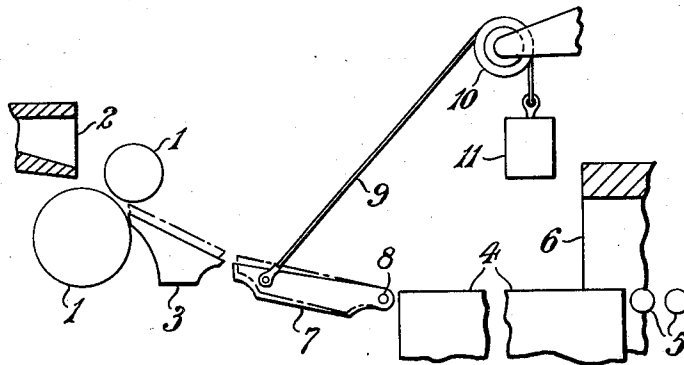
March 29, 1932.

E. B. LE MARE

1,851,634

APPARATUS FOR MAKING ROLLED GLASS STRIPS

Filed July 17, 1931



Inventor.

E. B. Le Mare

By Morrison, Hume & Campbell
Attys.

UNITED STATES PATENT OFFICE

ERNEST BRISTOW LE MARE, OF ST. HELENS, ENGLAND, ASSIGNOR TO PILKINGTON BROTHERS LIMITED, OF LIVERPOOL, ENGLAND

APPARATUS FOR MAKING ROLLED GLASS STRIPS

Application filed July 17, 1931, Serial No. 551,385, and in Great Britain July 31, 1930.

This invention relates to apparatus for making rolled glass strip and has for its object improved apparatus for leading the rolled strip from the pass of the rolling apparatus to the lehr.

It is more particularly applicable to rolling apparatus in which the position of one or both rollers is adjustable to suit varied conditions of rolling.

According to the invention three separate beds are employed to lead the strip from the pass of the rolling apparatus to the roller bed of the lehr. The first bed is connected to, but may be variable in position with, the rolling apparatus; the third bed is fixed in position immediately before the roller bed of the lehr and the second bed is made adjustable in position so that it can bridge the space between the front end of the first bed and the back end of the third bed. Further, the second bed is preferably so movable as to leave a free space into which the rolling apparatus may be withdrawn from the glass supply.

The accompanying drawing shows diagrammatically a side view of the rolling apparatus with one constructional form of the beds according to the invention, and part of the lehr.

The rolling apparatus has two rolls 1 in front of a glass supply conduit 2, and carries the first bed 3 which partakes of the adjusting movements of the rolls 1. The third bed 4 is fixed in a position to lead the strip on to the roller bed 5 of the lehr 6. The second bed 7 is pivoted at 8, close to the back end of the bed 4, and is adjustably supported by a pair of cables 9 passing over pulleys 10 and attached to balance weights 11.

If then the bed 3 be raised into the position shown in dotted lines, the bed 7 can be turned about its pivot 8 as shown in dotted lines, so as to bring its back end into correct relationship with the front end of the bed 3.

The combination therefore of the three beds 3, 7, and 4 forms a bed which can always be made of correct form to lead the strip from the pass of the rolls 1 to the roller bed 5 of the lehr.

Further, the bed 7 can be raised into a ver-

tical position and there is then a free space into which the rolls 1 with the bed 3 can be withdrawn from the conduit 2 for repair or examination.

It is not essential that the bed 7 be pivoted as shown at 8 provided that it is so adjustable in position that it can be moved to bridge the space between the front end of the bed 3 and the back end of the bed 4.

Further, it is not essential that the first bed be attached to the rolling apparatus provided that it be variable in position to suit the position of the rolling apparatus.

Each of the above-mentioned beds may be composed of several portions, forming a composite bed. The term "bed" in the foregoing and in the claims is to be deemed to include such composite bed.

Having described my invention, I declare that what I claim and desire to secure by Letters Patent is:

1. Apparatus for rolling glass comprising a rolling apparatus, a first bed connected with the rolling apparatus, a lehr with roller bed, a third fixed bed adapted to lead the rolled glass to the said roller bed and a second bed adjustable in position to lead the rolled glass from the first bed to the third bed.

2. Apparatus for rolling glass comprising a rolling apparatus, a first bed connected with the rolling apparatus, a lehr with roller bed, a third fixed bed adapted to lead the rolled glass to the said roller bed, a second bed adjustable in position to lead the rolled glass from the first bed to the third bed, and means for substantially removing the second bed from the space between the first and third beds.

3. Apparatus for rolling glass comprising a rolling apparatus, a first bed connected with the rolling apparatus, a lehr with roller bed, a third fixed bed adapted to lead the rolled glass to the said roller bed, and a second bed pivoted near the back end of the third bed.

4. Apparatus for rolling glass comprising a rolling apparatus, a first bed connected with the rolling apparatus, a lehr with roller bed, a third fixed bed adapted to lead the rolled glass to the said roller bed, a second bed piv-

oted near the back end of the third bed and means for turning the second bed on its pivot so as to remove it substantially from the space between the first and third beds.

- 5 5. Apparatus for rolling glass comprising a rolling apparatus, a first bed variable in position with the rolling apparatus, a lehr with roller bed, a third fixed bed adapted to lead the rolled glass to the said roller bed and a
10 second bed adjustable in position to lead the rolled glass from the first bed to the third bed.

6. Apparatus for rolling glass comprising a rolling apparatus, a first bed variable in
15 position with the rolling apparatus, a lehr with roller bed, a third fixed bed adapted to lead the rolled glass to the said roller bed, a second bed adjustable in position to lead the rolled glass from the first bed to the third
20 bed, and means for substantially removing the second bed from the space between the first and third beds.

7. Apparatus for rolling glass comprising a rolling apparatus, a first bed variable in
25 position with the rolling apparatus, a lehr with roller bed, a third fixed bed adapted to lead the rolled glass to the said roller bed, and a second bed pivoted near the back end of the third bed.

- 30 8. Apparatus for rolling glass comprising a rolling apparatus, a first bed variable in position with the rolling apparatus, a lehr with roller bed, a third fixed bed adapted to lead the rolled glass to the said roller bed,
35 a second bed pivoted near the back end of the third bed and means for turning the second bed on its pivot so as to remove it substantially from the space between the first and third beds.

- 40 In witness whereof I have affixed my signature hereto.

ERNEST BRISTOW LE MARE.

45

50

55

60

65