CLING-SURFACE AND BELT MANAGEMENT

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Cling-surface and Belt Management by John E. Powers

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JOHN E. POWERS

CLING-SURFACE AND BELT MANAGEMENT

Trieste

PERSONAL

A maker, nowadays, knows all about his product, including the smallest details of its use, such as only his customers need to know. He tells them. He knows it all; or has to drop-out. The man, who knows and tells, gets the business.

You are a maker. If of something good, this is true of you. You are impatient with those, who use or need your product, when they abuse or refuse it.

Then, if you please, be glad to learn Cling-Surface from us.

It is a new subject, and ours. No man living knows it a quarter so well as we; and it makes the new knowledge on belt management necessary.

CLING-SURFACE MFG CO

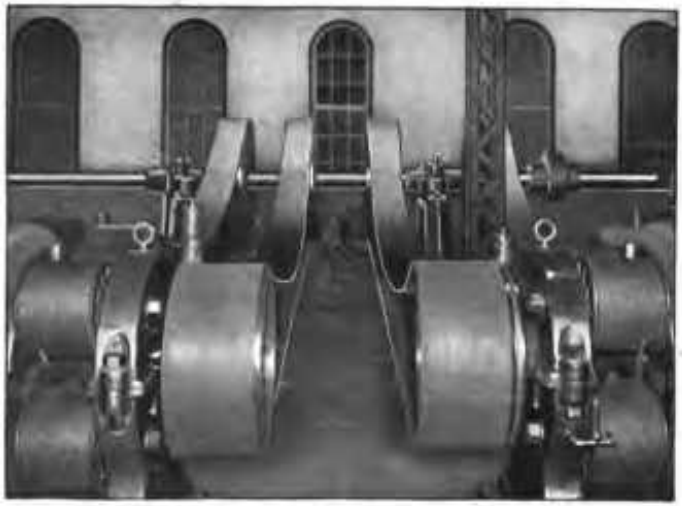
This belt is a freak; but we have a serious purpose in putting the picture on this conspicuous page—as a second frontispiece. Men

can't believe what they see on next page, on pages 53 to 62; what they saw at the Electrical Exhibition of '99 in New York and Pan-American; what they see in thousands of works; what they read in this book, viz: a belt will work slack: it don't slip: the slacker it is, the tighter it clings.

This belt, when not in motion, hangs clear of the under pulley; the idler has to be used to start; but, when started, it works as you see! It is a pet of the mill-man.

But this dangerous-looking pet is traveling 1530 ft a minute, transmitting 55 hp, and is constant enough to make this photograph! What do you think of that!

But the owner is not yet sure of Cling-Surface, and objects to being quoted.



Carnegie Steel Co, Homestead, Pa, 12 Nov 1901.—I give below our experience with Cling-Surface.

In June 1900, we had the 12-inch belts on 7-80 Brush Arc machines stretched as far as the tightening slide would allow, at which point the belts would have to be shortened.

We were using a belt-dressing, but had to keep our belts so tight as to run the risk of hot bearings. We then began experimenting with Cling-Surface. Are now running the same belts with a sag to about 8 inches of tight side when loaded, giving maximum wrap on pulley and minimum pull on bearings.

We are well satisfied with the results.—S S Wales, Superintendent Electric Department.

Cling-Surface

and

Belt Management

By JOHN E POWERS M A

1902

CLING-SURFACE MFG CO

BUFFALO U S A

New York Boston Baltimore New Orleans London Tokio Johannesburg
Chicago Philadelphia St Louis Toronto Sydney Iquique &c

Langdon B Clark printer Buffalo

CLING-SURFACE

PART I

I THE NAME

Good name

It derives its name from causing the belt to cling to its pulley and pull: it gets a good hold on the pulley: don't slip.

You can break your belt, if not very strong; you can't make it slip without straining beyond all reason.

II THE THING

Currying

It is stuffing; goes into the belt, and gives the whole belt the cling. The whole belt clings and lets-go—don't stick. Particulars, Chapters XI and XVIII.