

The Knowledge Bank at The Ohio State University
Ohio State Engineer

Title: Cranks and Countershafts

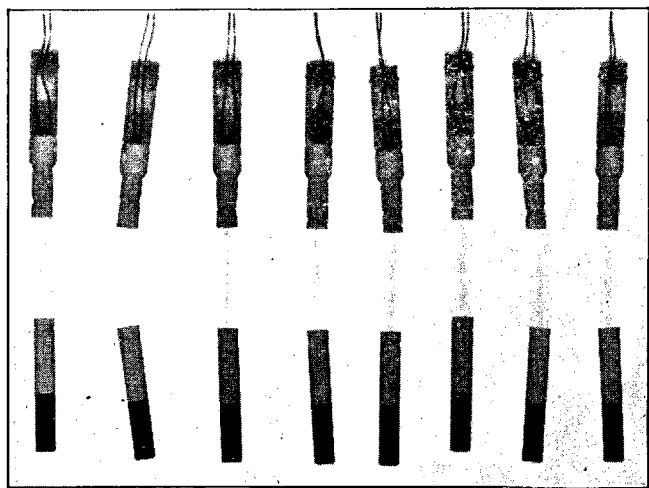
Issue Date: Nov-1929

Publisher: Ohio State University, College of Engineering

Citation: Ohio State Engineer, vol. 13, no. 2 (November, 1929), 34-36.

URI: <http://hdl.handle.net/1811/34636>

Appears in Collections: [Ohio State Engineer: Volume 13, no. 2 \(November, 1929\)](#)



This illustrates the use of X-ray photography in testing for uniformity in Hercules delay electric blasting caps. The X-ray reveals, from top to bottom of each delay electric blasting cap, the lead wires, firing head, delay fuse (in which only the powder train shows), and the blasting cap.

WHY HERCULES DETONATORS ARE RELIABLE

EXHAUSTIVE attention was given to the basic design of Hercules Detonators. They are manufactured with painstaking care from materials selected and tested with equal vigilance. After all that is humanly possible has been done to control the manufacturing processes, the product is subjected to a series of elaborate and costly tests.

In making these tests, many branches of science are utilized. The X-ray looks through the copper shells to search out any flaw which previous to this scientific operation, could only be found by destroying the detonators. Microphotography is called upon to tell a significant story to the explosives chemist. All standard tests of recognized value as well as special tests devised in the Hercules laboratories are used to insure the reliability of Hercules detonators.

HERCULES POWDER COMPANY

(INCORPORATED)
Wilmington Delaware

HERCULES POWDER COMPANY, 941 King Street, Wilmington, Del.

Gentlemen: Please send me your book "Hercules Detonators."

Name.....

Address.....

2646

CRANKS AND COUNTERSHAFTS

Bootlegger: "This wine is a hundred years old."

Bargain Chaser: "Is it? It tastes as good as new."

MIXED MEMORIES

He: "I believe this dance is mine."

She: "Well, don't let me interfere then."

"I hear these Egyptian women used to play faro."

"Yes—for all he was worth."

TRUE STORY

Judge: "How did the accident happen?"

Autoist: "It was a dark night and I was hugging the curves."

Judge: "So you were? That's how most accidents happen. Ten days."

She: "For two cents I'd knock your block off."

He: "Get away from me, you professional."

RADIO BEES

Ham: "Do you carry B-eliminators?"

New Help: "No, but we have roach powder and fly swatters."

FLEXIBLE ENGLISH

"I want some powder."

"Mennen's?"

"No, vimmen's."

"Scented?"

"No, I vil take it mit me."

Molecule: "Pardon, but haven't we met before?"

Miss Electron: "I don't know you from Atom."

The emigrant was buying a ticket at the shipping office. "And what about your trunk?" demanded the clerk.

"For what would I need a trunk?" asked the bewildered emigrant.

"To put your clothes in, of course," replied the clerk.

"What," cried the candalized emigrant, "and me go naked?"

—*The Kansas Engineer.*

There had been a minor collision between a small car and a truck, clearly the former's fault.

"Well," he said, surveying the damage, "all I can say is I'm sorry."

"Oh, is that all you can say?" politely inquired the truck driver.

"Why, yes."

"Well, then listen to me!" —*Montreal Star.*

Sub-Editor: "A correspondent wishes to know why they white-wash the inside of a chicken house."

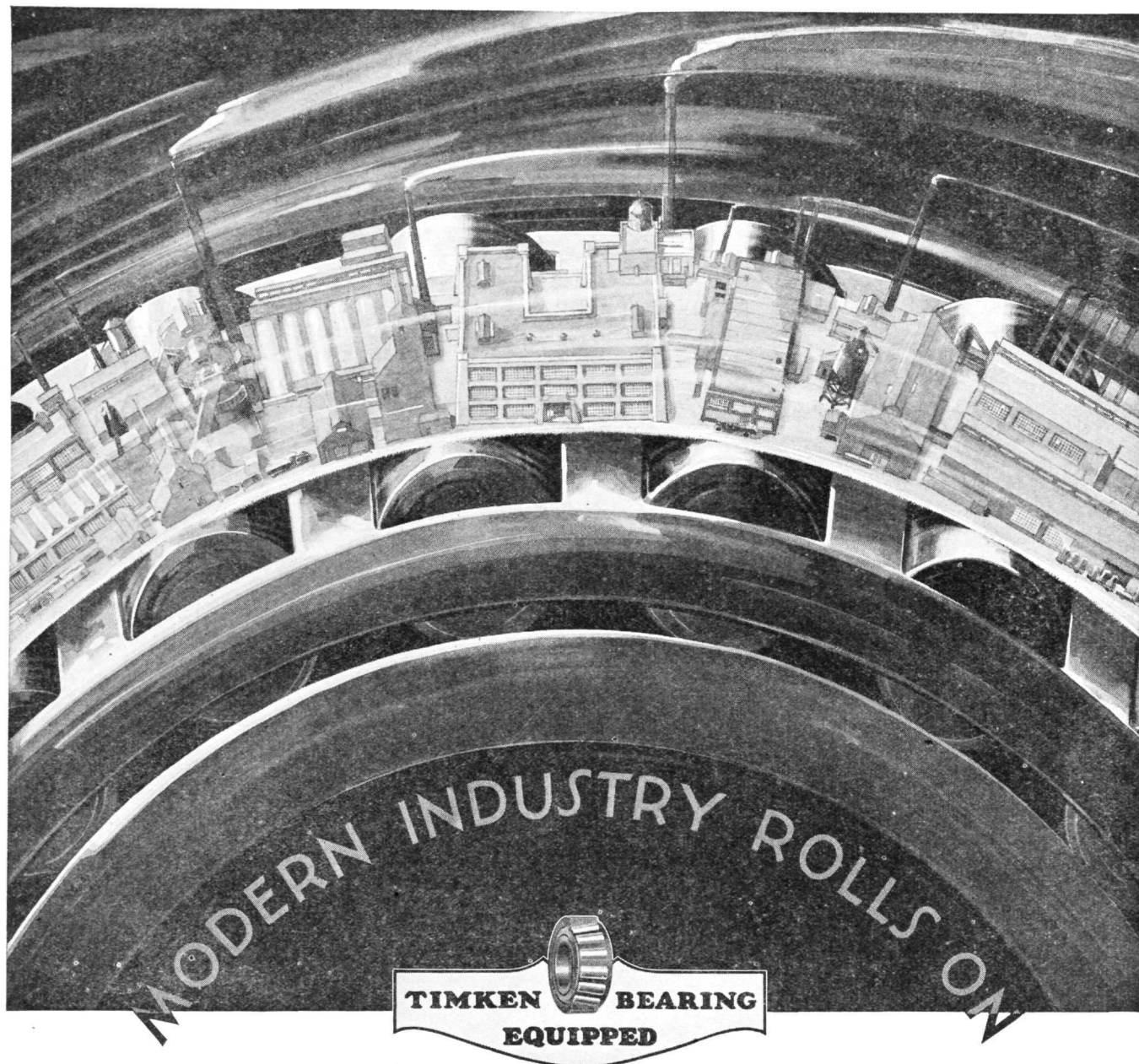
Editor: "Tell him it is to keep the chickens from picking the grain out of the wood."

—*Auburn Engineer.*

The most perfect example of a pessimist is the man who bought cork-tipped cigarettes for a sea voyage.

Yale Record.

(Continued on Page 36)



With a mighty surge Industry rolls on... and modern production rolls on Timken—the one bearing that does all things well.

Timken ability and versatility are destined to play a more and more important part in the future life of the nation, and student engineers will find it well worth while to make a close study of the present applications and possibilities of Timken Bearing Equipped—wherever wheels and shafts turn.

Whether the loads be all *radial*, all *thrust*, or both in combination, Timken Bearings

—with their exclusive Timken tapered construction, Timken *POSITIVELY ALIGNED ROLLS* and Timken steel—can be entrusted with the peak of the production load of the world.

Industry, Agriculture, Transportation, Mining feel the mighty momentum of modern methods... replacing the obsolete with "Timken Bearing Equipped"... stepping up the speed... defeating deadly friction... beating down high costs... slashing maintenance... placing lubrication at an irreducible minimum... setting depreciation at defiance.

THE TIMKEN ROLLER BEARING COMPANY, CANTON, OHIO

TIMKEN *Tapered Roller* **BEARINGS**

NOVEMBER, 1929

CRANKS AND COUNTERSHAFTS

(Continued from Page 34)

"Just been lunchin' with your husband, darling."

"So good of you, angel, but I do hope it won't come to his secretary's ears; she's so jealous."

—*Missouri Outlaw.*

Wife: "Some things go without saying."

Clark: "Yes, my dear, but you are not one of 'em."

—*Tech Owl.*

Lives of Seniors all remind us.

We should strive to do our best.

And departing leave behind us

Note books that will help the rest.

—*Tech Owl.*

"Is Annie Laurie a Hymn?"

"No, it's a her."

—*Tech Owl.*

Small boy: "Mother, do they have electric plants in Heaven?"

Mother: "No dear, it requires engineers to build electric plants."

—*Cornell Civil Engineer.*

Ma: "Where's the cow, Johnnie?"

Johnnie: "I can't get her home; she's down by the railroad track flirting with the tobacco sign."

—*Cornell Civil Engineer.*

BOX OF SARDINES

Polygamy would never work in this country. Think of six wives working in one kitchenette. —*Everybody's Weekly* (London).

DARE TO BE A MEAL TICKET

He—Will you marry me?

The Heiress—No, I am afraid not.

He—Oh, come on be a support.—*Everybody's Weekly* (London).

PASS THE GLUE

The doctor told him to take a pickle just before going to bed if he could keep it on his stomach. Next day he told the doctor it rolled off when he turned over.—*Florida Times-Union.*

GENUINE WILD MEN

Tourist (in Yellowstone Park)—"Those Indians have a blood-curdling yell."

Guide—"Yes, ma'am, everyone of 'em is a college graduate."—*Buffalo News.*