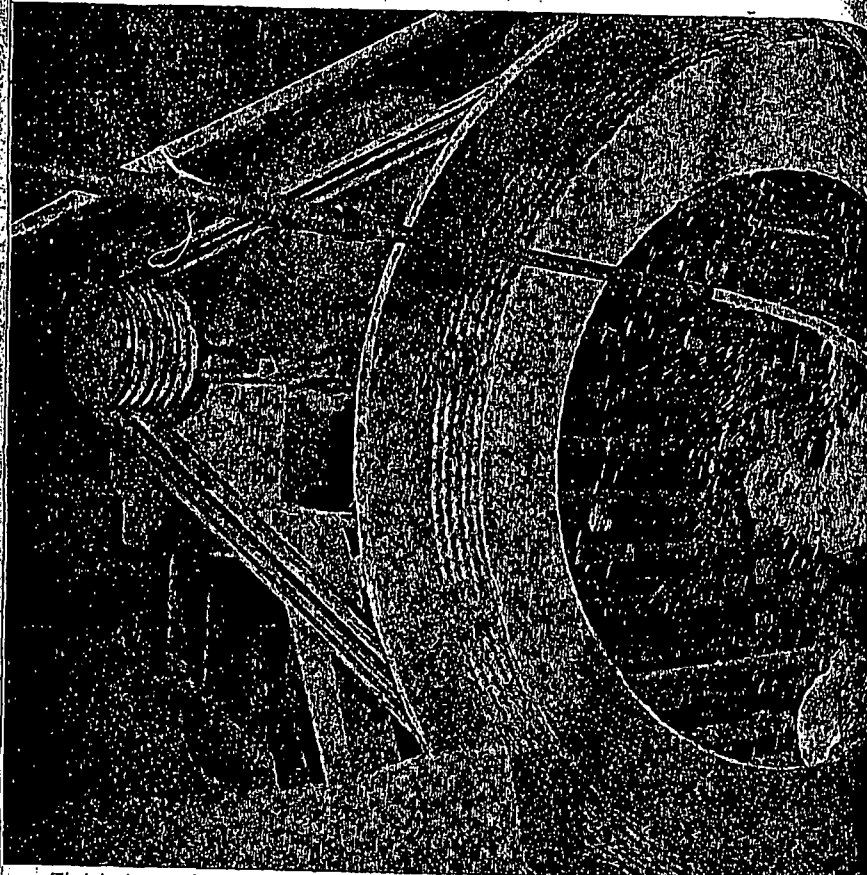
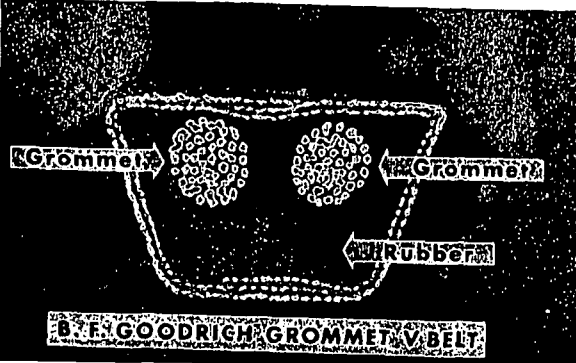


Two-foot rocks (continued)



The belts that turn the big rock breaker shown on preceding page must be extra strong to stand hard pulls and shock loads.



The plant owner solved the problem described on the preceding page when he had a set of B. F. Goodrich grommet V belts installed. Because they're built to take shocks and heavy loads, the grommet belts are lasting 30% longer than any belt ever used before, and they also do a better job of turning the breaker. Here are the basic reasons BFG grommet belts outlast and outperform ordinary V belts:

Strongest V belt made

All the load-carrying cords in grommet belts are concentrated in twin grommets. These grommets are cord loops made like giant twisted cables except

that they're endless. Since there are no center cords, the grommet belt is more flexible, and so can "give" temporarily under shock loads. As a result, grommet belts last 20 to 30% longer, depending on the service. (The more severe the service, the greater the increase over ordinary belts.)

No weak spots

The section where cords overlap is the weak spot in ordinary belts. That's where 80% of V belt failures occur. But in grommet V belts this cause of belt failure has been eliminated. The grommets are endless. There are no splices or overlaps—no weak spots to cause premature belt failure.

More gripping power

Grommet V belts have more rubber in relation to belt size. Without any stiff overlap, they're more flexible, grip better. Size for size, grommet belts give 1/4 more gripping power with less slip, pull heavier loads with a higher safety factor. And because there is less slip, there is also less surface wear.

Less stretch

In ordinary belts under tension, the center cords loaf, the outer cords overlap because tension is greater near the driving faces. Grommet belts, with no center cords, have much more strength and less stretch. Grommet belts stretch, on an average, only about 1/2 as much as ordinary belts.

Save 3 ways

With grommet belts, you save on replacement costs because they last 20 to 30% longer. You save on production costs because machines keep running with fewer interruptions. And you save on maintenance costs because the V belts need less attention. Yet these savings they can make for you are all clear profit because grommet belts cost not one cent more than ordinary V belts.

Texas fall story

These V belts operate on two floors in a Texas cotton gin, running cleaning machines where stalks are separated from cotton. Flat belts previously used couldn't take the constant flexing over small pulleys, were wearing out in only two months. Worse still was the constant maintenance. Every 24 hours the gin had to shut down while the belt was re-laced. Then grommet V belts were installed. They gave absolutely no trouble during the entire 1952 ginning season, show no sign of wear, and have increased production by giving uninterrupted service.

Belts previously used here took a lacing every 24 hours, lasted only two months.

