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SOME OF THE FACTORS CONTRIBUTING TO ECONOMIC PROGRESS  
WHICH HAVE IN TURN ACCOUNTED FOR THE GROWING INTER-  
DEPENDENCE OF AGRICULTURE AND OTHER SEGMENTS OF OUR ECONOMY

A Chart Presentation by Tyrus R. Timm

"WE ARE BY LONG ODDS  
THE RICHEST, MOST PRODUCTIVE NATION  
IN HUMAN HISTORY"\*

\*U.S.A.  
*Measure of a Nation*  
Twentieth Century Fund

*This Means*  
Compared to Any Other Country  
WE HAVE MADE GREATER ECONOMIC PROGRESS  
and in Doing So  
It Appears That  
AGRICULTURE AND OTHER GROUPS IN THE ECONOMY  
HAVE BECOME MORE INTERDEPENDENT

*On the Farm Side, This Interdependence Shows up Particularly*

in the

POLITICAL ARENA and MARKET PLACE

and Is Reflected in

The Growing Number of Broader Problems Requiring Group Action  
Either by Government or Private Organization.

The Bigger Farm Investments, Cash Operating and Living  
Expenditures, and Farm Incomes.

The Increasing Farm Production with a Larger Share Going to  
Market

*But These Are Effects*

THE CAUSE

of the

GROWING INTERDEPENDENCE OF AGRICULTURE

AND OTHER GROUPS IN THE ECONOMY

*Has Been Our Amazing Economic Progress*

So Let's Look

at Some of the Important Things

Which Have Made This Progress Possible

*Here Are Some of Them*

- A. ABUNDANCE OF NATURAL RESOURCES IN RELATION TO POPULATION
- B. FREEDOM AND RESPECT OF THE RIGHTS OF THE INDIVIDUAL
- C. POLITICAL AND SOCIAL ENVIRONMENT ENCOURAGING INDIVIDUAL INITIATIVE
- D. MASS EDUCATION AND APPLIED RESEARCH
- E. FACTORS OF PRODUCTION MOVING TOWARD MORE PRODUCTIVE USE
- F. A MORE SPECIALIZED AND EFFICIENT DISTRIBUTION SYSTEM
- G. MONETARY AND FISCAL SYSTEM WHICH HAS SUPPORTED ECONOMIC PROGRESS

*Let's Look a Little Closer at Each One*

A. An Abundance of Natural Resources in Relation to Population

NATURAL RESOURCES

(Land)

*Is One of the Four Factors Which Produce All Wealth*

but

AN ABUNDANCE OF NATURAL RESOURCES ALONE

DOES NOT ASSURE ECONOMIC PROGRESS

*What Counts Is*

HOW WELL IT HAS BEEN COMBINED

WITH THE OTHER THREE FACTORS OF PRODUCTION:

1. Labor
2. Capital
3. Management

IN THE UNITED STATES

*The Record Is Clear*

We Have Combined Our Resources with Other Factors  
to Out- Produce Any Other Country

	Here's the Share We Have (Percent of World)		Here's What We've Done With It (1st Two - Percent of World)		
	Popu- lation	Land	Total Production	Electric- ity	Person per Auto
U. S.	7	6	32	46	4
Russia	9	14	18.5	5	252
G. Britain	2	0.2	9.2	6	22
France	2	0.3	4.5	2	18

B. Freedom and Respect of the Rights of the Individual

*Equality Among Individuals*

and

*Supremacy of the Individual over the State*

Have Been the

*Cornerstones of American Democracy*

We believe these have made for a happier, fairer,  
more productive, and better governed people.

"Freedom and Respect of the Rights of the Individual"

Has Meant

*The right* to think, say, write and listen to what you want to.

*The right* to a free public education through high school, and access to advanced training in the institution of your choice.

*The right* to go into business or a profession for yourself, to work for another person, to accept either public or private employment.

*The right* to worship as you wish, to choose your friends, and to decide the use of your leisure.

*The right* to participate in the running of government by belonging to a political party, voting, serving on boards, holding government representatives accountable for their actions.

*The right* to organize groups and to work through them for the peaceful attainment of economic, social, or political objectives.

The protection of these personal rights by civil police, army, independent courts, and jury trial.

\* \* \* \*

*Our Right to Do What We Believe Is Right  
Has Given Us Confidence and Faith in What We Do*

C. Political and Social Environment Encouraging Individual Initiative

THIS HAS BEEN IMPORTANT TO ECONOMIC PROGRESS

Because

*We Believe Each Individual Knows More About His Ability  
and His Problems Than Any Other Person or Group of Persons*

and too

*Modern Man Is More Curious About His Environment*

Furthermore

*He Desires to Progress as an Individual and  
He Believes Further Progress Is Possible*

\* \* \* \* \*

*An Environment Therefore*

Which Provides Man with Freedom to Inquire, Aids Him in His  
Inquiry and Allows Him to Retain the Fruits  
of His Inquiry

*Results in Greater Scientific Progress  
and Scientific Progress Has Been the Backbone of  
Economic (Material) Progress*

*No Accident Then That*

90 Percent of All Inventions and Innovations Bettering  
Living Conditions Have Come from Western Europe and the U.S.A.

OUR GOVERNMENT HAS PLAYED AN IMPORTANT ROLE, TOO

Responsible to the People

It Has Set up the Rules of the Game

Providing Largely for

THE PRODUCTION AND DISTRIBUTION OF WEALTH

Through Private Property

and

by Individuals, by Groups and Associations, and by Private Enterprise

However, the Government Has Taken Positive Action  
to Try to Insure Competition, to Prevent Unfair Practices,  
and to Protect from Exploitation

#### D. Mass Education and Applied Research

EDUCATION HAS BEEN A CLOSE ALLY OF FREE MAN

*in the Development of His Skills and Knowledge*

and No Educational System

Has Been More Comprehensive Than That of the U.S.A.

*Some of Its Characteristics*

Educational Opportunities Have Been Open to All

Emphasis Has Been upon Improving Methods of Production and the Welfare of the Individual

Special Attention In This Has Been Given to Vocational and Technical Education

Strong Encouragement Has Been Given to Scientific Research Programs

*One Evidence of Success*

The Majority of the Patents Now Result from Planned

Research Programs Rather Than from Individuals

Finding New Things Accidentally.



SO IN THE U. S. A.

MAN

In Order to Benefit More Fully from

*An Abundance of Natural Resources*

*A Political System* providing stability and permitting freedom of action

*An Economic System* providing the incentives for material progress, and

*An Educational System* providing for an accumulation of knowledge,

Has Applied

Certain economic principles to produce a greater amount of goods and services than have the people of any other country

Let's Take a Look

E. Factors of Production Moving Toward More Productive Use

*A Reminder That*

LAND, LABOR, CAPITAL, and MANAGEMENT

Are the Factors of Production Producing the Wealth of a Country

*So Our Goal*

Has Been to Combine These Factors of Production in Such a Way as to Give the Most Efficient Production

*In Fact*

The Economic Development of This Country Has Been Characterized by Improvements in All Factors of Production but Particularly the Substitution of Capital for Other Factors

*These Trends Are Evident in All Walks of Life*

F. A More Specialized and Efficient Distribution System

CONTINUOUS IMPROVEMENT IN  
TRANSPORTATION AND COMMUNICATION  
HAS BEEN A PARTNER IN SECURING MORE  
SPECIALIZATION AND EXCHANGE

in

AGRICULTURE, MANUFACTURING, AND TRADE

New Frontiers Have Been Opened up

New and Extended Market Outlets Have Been Secured

Opportunities for Increased Productivity Have Been  
Known Sooner

Both Horizontal and Vertical Integration Have Taken  
Place

Spectacular Gains in Production Efficiency Have Not  
Been Equalled in Distribution, but Important Gains  
Made.

FROM 1870 TO 1930

Number of workers producing goods increased by 171  
percent and

Number of workers distributing goods increased by  
777 percent

The total volume of goods produced and distributed  
increased by 800 percent.

G. Monetary and Fiscal System Which Has Supported Economic Progress

OUR MONETARY AND FISCAL SYSTEM

Has Made Business Expansion Possible

Has Provided a Relatively Stable Medium of Exchange

Has Provided a Means to Meet the Desires of People to Save

Has Enabled Us to Finance a Strong Government

Has Helped to Prevent Undue Concentration of Economic Power

Has Helped to Facilitate Specialization and Exchange

Has Provided a Tax Program Reaching Practically Every  
Individual and Type of Private Property.