The evolution of Bretton Woods system and its role in the international monetary system

Yang Shuhan

Guildhouse School，43-45 Bloomsbury Square London，WC1A 2RA;

Abstract: The Bretton Woods System, as the first global international monetary system formed after World War II, was centered on the "dual peg" mechanism where the US dollar was pegged to gold and other currencies were pegged to the US dollar. It established an institutionalized framework for international financial cooperation through the International Monetary Fund (IMF) and the World Bank. This paper systematically reviews the complete evolution of the Bretton Woods System, from its conception and preparation, formal establishment, stable operation, to the eruption of contradictions and its eventual collapse. It deeply analyzes its inherent institutional flaws and external shock factors, focusing on the system's historical role and profound impact on the contemporary international monetary system in areas such as the construction of exchange rate mechanisms, the shaping of the reserve currency landscape, the development of international financial institutions, and global balance of payments adjustments. The paper reveals the internal logic and practical implications for the development of the international monetary system.

Keywords: Bretton Woods System; International Monetary System; Dual Peg Mechanism

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Introduction

In the modern global economy, the international monetary system is the core link for economic interactions among nations. Its institutional design and operational efficiency directly affect the stable growth of the world economy. Since the 20th century, the international monetary system has undergone multiple transformations, with the Bretton Woods System being the most landmark institutional innovation.

After World War II, there was an urgent global need to rebuild the international financial order and restore economic growth. The Bretton Woods System was born under this background. It established the core position of the US dollar and constructed the first universally binding international monetary cooperation mechanism. Although the system lasted less than three decades before collapsing, its institutional concepts, operational logic, and practical experience profoundly shaped the development path of subsequent international monetary systems.

An in-depth study of the evolution of the Bretton Woods System and its role in the international monetary system can not only clarify the historical context of the global monetary order but also provide theoretical reference and historical lessons for addressing the complex challenges in the current international financial field.

1 The Evolution of the Bretton Woods System

1.1 Historical Preparation for the System's Establishment

The birth of the Bretton Woods System was the result of changes in the international economic landscape in the first half of the 20th century and the need to rebuild the financial order. After World War I, countries abandoned the gold standard and issued credit currencies not backed by gold, plunging the international monetary system into chaos. During the interwar period, multiple currency blocs formed globally, and countries engaged in competitive devaluations to transfer crises, exacerbating the world economic recession.

After World War II, the economies of Germany, Italy, and Japan collapsed, while the power of old powers like Britain was weakened, making the Sterling system unsustainable. The United States, with its homeland unaffected by the war, accumulated wealth through the Lend-Lease Act and saw a significant increase in its share of gold reserves, becoming the world's leading economic power and possessing the foundation to dominate the post-war monetary system. The US and UK proposed the "White Plan" and "Keynes Plan" respectively, which became the core blueprints for the system's conception. In July 1944, representatives from 44 countries held a conference at Bretton Woods, adopting relevant documents based primarily on the "White Plan," establishing the basic framework of the system. In December 1945, 22 countries signed the Bretton Woods Agreement, establishing the International Monetary Fund (IMF) and the World Bank (WB), formally bringing the system into existence.

1.2 The Core Architecture and Operational Phase of the System

The system was centered on the US dollar, with its core being the "dual peg" mechanism and the adjustable peg exchange rate system: the US dollar was pegged to gold at \$35 per ounce, and countries could convert US dollars into gold at this official price; other currencies were pegged to the US dollar, with exchange rate fluctuations not exceeding ±1% of the par value. Governments were required to intervene in the foreign exchange market to maintain stability, forming a "gold-US dollar-other currencies" transmission chain.

The IMF was responsible for maintaining exchange rate stability and adjusting balance of payments. It formed a pool of funds through member quotas, providing short-term loans to countries with balance of payments deficits. The World Bank initially focused on European reconstruction, later shifting to global development assistance, providing long-term loans and technical support. For over two decades after the system's establishment, the global economy experienced stable growth, the credibility of the US dollar was solid, and fixed exchange rates facilitated the expansion of trade and investment. The IMF and World Bank also played important roles, achieving the goals of maintaining financial stability and promoting economic recovery.

1.3 Accumulation of Contradictions and Final Collapse of the System

In the 1960s, the system's inherent flaw, the "Triffin Dilemma," became apparent: as the reserve currency, the US dollar needed to supply liquidity through trade deficits, but persistent deficits would undermine confidence in the dollar and its ability to maintain convertibility into gold. Simultaneously, the economic recovery of Europe and Japan led to a relative decline in US economic advantage. The US experienced persistent balance of payments deficits, a decrease in gold reserves, and a loss of confidence in the dollar. Multiple dollar crises erupted in the 1960s, with countries like France demanding to convert their dollar holdings into gold, triggering a chain reaction.

Although the international community adopted remedial measures such as issuing Special Drawing Rights (SDRs) and widening the band of exchange rate fluctuations, these did not resolve the fundamental contradiction. In August 1971, the Nixon administration suspended the convertibility of the US dollar into gold, effectively collapsing the system's core mechanism. By 1973, major industrialized countries abandoned their fixed pegs to the dollar and moved to floating exchange rate regimes. The 1976 Jamaica Agreement formally ratified the legitimacy of floating exchange rates, marking the complete collapse of the Bretton Woods System.

2 The Core Role of the Bretton Woods System in the International Monetary System

2.1 Shaping the Institutional Framework of the Modern International Monetary System

The most profound role of the Bretton Woods System was the establishment of the first global, institutionalized framework for international monetary cooperation, providing an important institutional template for subsequent international monetary systems. Before Bretton Woods, international monetary relations relied mainly on spontaneous coordination and customary constraints among countries, lacking a unified rule system and enforcement agencies. For the first time, the Bretton Woods System, through an international agreement, clarified the rights and obligations of countries regarding exchange rate arrangements, balance of payments adjustments, and currency convertibility, establishing universally binding international monetary rules.

The establishment of the International Monetary Fund and the World Bank pioneered the era of global financial institutions leading international monetary affairs. The operational models of these two institutions – determining voting rights and financial contributions through member quotas, establishing specialized decision-making and execution mechanisms, implementing regular surveillance and assistance functions – provided a paradigm for the establishment of subsequent international financial institutions. Although the Bretton Woods System collapsed, these two institutions remain core actors in the international monetary system today, with their functions continuously adjusted and refined, serving as vital forces in maintaining global financial stability and promoting development finance.

Furthermore, the "multilateral cooperation" concept championed by the Bretton Woods System profoundly influenced the development direction of the international monetary system. It broke the pre-war situation of fragmented currency blocs and promoted financial cooperation among countries under unified rules. This spirit of multilateralism became a core value orientation of the modern international monetary system, laying the ideological foundation for the subsequent establishment of multilateral financial coordination mechanisms like the G20.

2.2 Laying the Basic Structure of the Contemporary Reserve Currency System

The core status of the US dollar established by the Bretton Woods System shaped the basic outline of the contemporary international reserve currency system. Although the dollar was delinked from gold after the system's collapse, its dominant position persisted and even strengthened. During the system's operation, the US dollar, by virtue of its fixed peg to gold, became the world's primary currency for pricing, settlement, and reserves, forming the prototype of "dollar hegemony." The formation of this status was not only due to US economic strength but also benefited from the path dependency effect constructed by the system – the widespread use of the US dollar in global trade, debt, and financial transactions created a self-reinforcing cycle of "the wider the use, the higher the convenience."

After the system's collapse, the international reserve currency landscape gradually developed towards diversification, but the dominant position of the US dollar remained unshaken. Currently, the US dollar still accounts for more than half of global foreign exchange reserves. Global trade, especially commodity transactions, is predominantly priced and settled in US dollars, and most cross-border debt is issued in US dollars. This structure is essentially a continuation and evolution of the dollar's core status under the Bretton Woods System. Simultaneously, the trend towards reserve currency diversification is also closely related to the lessons learned from the Bretton Woods System. To avoid the risks associated with a single reserve currency, countries began gradually increasing the share of other currencies like the Euro and Renminbi in their reserves. This diversification attempt is a practical response to the "Triffin Dilemma."

The changing role of gold in international reserves was also deeply influenced by the Bretton Woods System. The system anchored the dollar's value to gold,granting gold the status of a core reserve asset. After the system's collapse, gold, although no longer a monetary standard, saw central banks resume net purchases after the 2008 financial crisis, using it as an important asset to hedge against fiat currency credit risk and geopolitical risk. The resurgence of gold's reserve value is, to some extent, a historical continuation of its monetary attributes from the Bretton Woods era.

2.3 Promoting the Diversified Development of Exchange Rate Regimes

The adjustable peg exchange rate system of the Bretton Woods System provided a key practical foundation for the diversification of contemporary exchange rate regimes. It differed from the completely fixed exchange rates of the traditional gold standard by introducing an "adjustable" mechanism: member countries could adjust their par value, with IMF approval, in cases of fundamental disequilibrium in their balance of payments. This "fixed but adjustable" design balanced exchange rate stability with policy flexibility, providing a useful reference for countries in choosing their exchange rate regimes.

After the system's collapse, global exchange rate regimes moved away from unified rules, forming a diversified landscape, which essentially represents an inheritance and breakthrough of its exchange rate mechanism. The IMF currently classifies exchange rate regimes into hard pegs, soft pegs, and floating arrangements. Countries choose models suited to their economic size, degree of openness, and risk resilience based on absorbing its lessons – recognizing both the role of fixed exchange rates in trade stability and the constraints rigid exchange rates impose on monetary policy autonomy.

Furthermore, after the system's collapse, the US dollar continued to influence global exchange rates as an "implicit anchor." Most emerging markets and developing countries use the US dollar as the core reference for their exchange rate pricing, continuing the logic of its exchange rate transmission. Simultaneously, emerging currencies like the Renminbi have become reference currencies for some economies, forming a trend of multiple anchors coexisting. This both breaks the single dollar anchor and opens new directions for the development of international exchange rate systems.

2.4 Establishing the Basic Paradigm for Balance of Payments Adjustment

The Bretton Woods System, centered on the IMF, established a mechanism for balance of payments adjustment, forming the basic paradigm for contemporary adjustments. Its adjustment mechanism was clearly layered: countries with temporary balance of payments deficits could apply for short-term loans from the IMF; fundamental disequilibrium was to be solved through exchange rate adjustment. This "short-term financing + exchange rate adjustment" model changed the disorderly pre-war adjustment situation.

The IMF, through the quota system and conditionality, built an incentive and constraint mechanism for balance of payments adjustment. Member quotas, linked to their economic strength, determined loan access and voting rights, balancing pool adequacy with matching rights and responsibilities. Loan conditionality required borrowing countries to implement adjustment policies like fiscal austerity and exchange rate reforms to ensure sustainable balance of payments equilibrium. This model is still widely used today.

Simultaneously, the system's practice also exposed adjustment difficulties, such as the asymmetry of adjustment responsibilities between surplus and deficit countries – primarily requiring deficit countries to adjust, while surplus countries lacked the incentive for active adjustment. This problem persists today. In recent years, the international community has called for reforming the balance of payments adjustment mechanism, emphasizing the shared responsibility of both surplus and deficit countries. This direction is precisely a summary and reflection on the lessons learned from its experience.

3 Historical Lessons and Contemporary Value of the Bretton Woods System

3.1 The International Monetary System Must Adapt to Changes in the Economic Landscape

The rise and fall of the Bretton Woods System demonstrates that the international monetary system must be compatible with the global economic landscape to achieve long-term stability. When the system was established, the US economic hegemony provided a solid foundation. However, as economies like Europe and Japan rose, revealing a trend towards global economic multipolarity, a system centered on a single currency became difficult to sustain. This lesson holds important implications for the contemporary international monetary system: with the rapid development of emerging economies and profound changes in the global balance of economic power, the international monetary system needs to gradually increase the voice and representation of emerging economies, building a more balanced governance structure.

The current US dollar-dominated international monetary system still faces a variant of the "Triffin Dilemma": the dollar's hegemony relies on US economic strength and financial market depth, but US policy tendencies often prioritize domestic objectives, leading to contradictions between global liquidity supply and the stability of dollar credibility. The historical experience of the Bretton Woods System reminds us that a single reserve currency system has inherent instability. Promoting reserve currency diversification and innovation in international liquidity provision are important paths to mitigate this contradiction.

3.2 Institutional Design Must Balance Stability and Flexibility

The fixed exchange rate system of the Bretton Woods System provided a stable exchange rate environment initially, but later, due to insufficient flexibility, it struggled to adapt to changing economic conditions, becoming a major reason for the system's collapse. This indicates that the institutional design of the international monetary system must strike a balance between stability and flexibility: overly rigid rules find it difficult to cope with the dynamic changes in the economic landscape, while excessive flexibility may lead to disorderly competition and financial turbulence.

The diversified exchange rate regimes of the contemporary international monetary system are an embodiment of this balance, with countries choosing their exchange rate models based on their own realities, and the international community using multilateral surveillance mechanisms to prevent currency manipulation and competitive devaluations. Simultaneously, institutions like the IMF, by improving surveillance frameworks and strengthening policy coordination, preserve countries' policy autonomy while maintaining exchange rate order. This model of "diverse rules + multilateral surveillance" is an important absorption of the lessons from the Bretton Woods System.

3.3 Multilateral Cooperation is the Core of Maintaining System Stability

The practice of the Bretton Woods System fully demonstrates that multilateral cooperation is the core guarantee for maintaining the stability of the international monetary system. By establishing the IMF as a multilateral platform, the system provided a mechanism for policy consultation, crisis rescue, and rule surveillance, effectively reducing the risk of international monetary conflict. Although the system ultimately collapsed, the concept of multilateral cooperation was continued and developed.

In today's world of deepening globalization, the international monetary system faces multiple challenges such as volatile cross-border capital flows, exchange rate conflicts, and debt crises. The global nature of these challenges dictates that they must be addressed through multilateral cooperation. The multilateral institutions and cooperation mechanisms left by the Bretton Woods System provide an important platform for current global financial governance. Further strengthening multilateralism and improving cooperation mechanisms remains a core direction for reforming the contemporary international monetary system.

4 Conclusion

The Bretton Woods System was a pioneering attempt at international monetary cooperation after World War II, and its evolution reflects the developmental logic of international monetary systems. It first established a global framework for monetary rules and implementing institutions, laying the institutional foundation for the modern system. The core status of the US dollar it established, the adjustable peg exchange rate system, and the balance of payments adjustment mechanism respectively shaped the contemporary reserve currency landscape, provided experience for exchange rate diversification, and established the paradigm for global payments balance. Although it collapsed due to internal contradictions and external shocks, its concepts like multilateral cooperation hold significant meaning for the operation and reform of the contemporary system. In the current period of transformation of the international monetary system, its lessons remind us of the need to adapt to the economic landscape, balance stability and flexibility, and strengthen multilateral cooperation. In the future multipolar world, the system will likely become more balanced and diversified, and its historical legacy will continue to provide ideological and practical support.

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